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TECHNICAL REPORT  
NATICK/TR-77/028

**ANTHROPOMETRY OF WOMEN  
OF THE U.S. ARMY-1977**  
Report No. 3 - Bivariate Frequency Tables

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July 1977

UNITED STATES ARMY  
NATICK RESEARCH and DEVELOPMENT COMMAND  
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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

<b>(19) REPORT DOCUMENTATION PAGE</b>		READ INSTRUCTIONS BEFORE COMPLETING FORM	
1. REPORT NUMBER NATICK/TR-77/028, 174	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER	
4. TITLE (and Subtitle) ANTHROPOMETRY OF WOMEN OF THE U. S. ARMY--1977, REPORT NO. 3 - BIVARIATE FREQUENCY TABLES		5. TYPE OF REPORT & PERIOD COVERED Technical Report	
7. AUTHOR(s) Thomas Churchill, Edmund Churchill, and John T. McConville, Webb Associates; Robert M. White U. S. Army Natick Research and Development Command		6. PERFORMING ORG. REPORT NUMBER CEMEL-174	
9. PERFORMING ORGANIZATION NAME AND ADDRESS Webb Associates, Inc. P. O. Box 308 Yellow Springs, Ohio 45387		8. CONTRACT OR GRANT NUMBER(s) 15 DAAG17-76-C-0010	
11. CONTROLLING OFFICE NAME AND ADDRESS U. S. Army Natick Research and Development Command ATTN: DRXNM-VCA Natick, Massachusetts 01760		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS 62723A 117 11762723AH98/AC-003	
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) 12 = 5 L y.		12. REPORT DATE 11 July 1977	
		13. NUMBER OF PAGES 351	
		15. SECURITY CLASS. (of this report) Unclassified	
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE	
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.			
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)			
18. SUPPLEMENTARY NOTES			
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Anthropometry      Survey(s)      Human factors engineering Measurement(s)      U. S. Army      Static strength Body size      Military personnel      Data Sizes (Dimensions)      Women      Tables (Data)			
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) In this report, the third in a series, over 300 bivariate frequency tables, based on the data from the 1976-1977 anthropometric survey of U. S. Army women, are presented to facilitate the use of these data by designers of clothing, equipment, and workspaces which Army women will wear or use. A substantial number of these tables are similar to tables included in the reports of the 1946 survey of Army women. Some basic tables are presented in both metric and English or inch units. < -			

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PREFACE

The research reported here was carried out by the Anthropology Research Project of Webb Associates in Yellow Springs, Ohio, under Contract DAAG17-76-C-0010 with the U. S. Army Research and Development Command in Natick, Massachusetts. Mr. Edmund Churchill served as senior investigator and Mr. Robert M. White as project officer.

Miss Nancy Folk of the Army Uniform Division at Natick participated actively in selecting the bivariate tables chosen for inclusion in this report.

Preparation of this report for publication--like that of so many before this one--was carried out competently and efficiently by Ms. Jane Reese with a minimum of grumbling at the authors' irrational requests and an amazing ability to decipher their all but undecipherable handwritten manuscripts. Final editing was done by Ms. Ilse Tebbetts.

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ANTHROPOMETRY OF WOMEN IN THE U. S. ARMY--1977  
REPORT NO. 3 - BIVARIATE FREQUENCY TABLES

INTRODUCTION

The dimensions of the human body interrelate with each other in a multiplicity of ways and to a multiplicity of diverse degrees. The solutions of many problems related to the design of clothing, personal equipment, and workspace require a knowledge of the nature and intensity of the relationships among the dimensions involved. Such a knowledge, indeed, is often necessary, not only for the solution of such a problem, but also for a visualization of the problem and the evaluation of alternate approaches to the development of a solution.

Among the several ways of presenting information dealing with these interrelationships, one of those frequently used, particularly for presentation of such data to designers, is that of the bivariate frequency table. As the many tables presented in this report show, these data indicate the number or proportion of a group of individuals who fall within a particular range of values for one variable and, simultaneously, within a specified range for a second variable.

The bivariate table shows the range of two measurements and the numbers or frequencies of women who have the various possible combinations of values of the two measurements. The values indicating the ranges of the two measurements represent the mid-points of the intervals in those ranges. The frequencies or numbers of women may be expressed as percentages of the sample (as in Tables 4 through 100) or may be given as actual numbers (as in Tables 101 through 310).

The degree of relationship between two variables may be expressed by the statistic of the coefficient of correlation or "R" value. The coefficients of correlation between body measurements may vary between .000, representing no correlation, and .999, representing an almost perfect correlation. Most correlations of this type are positive correlations, which means that as the value of one measurement increases, the value of the other measurement also increases. However, some correlations may be negative correlations; in this case, as the value of one measurement increases, the value of the other measurement decreases.

While the relationship between two measurements is indicated by the coefficient of correlation, the extent or degree of correlation may be estimated from the appearance or general shape of the bivariate. Table 120, a bivariate of hip circumference and weight, shows a fairly well-defined band sloping from the lower left toward the upper right, indicating that as the values for weight increase (from left to right), the values for hip circumference also increase (from bottom to top). The apparently strong relationship is further confirmed by the comparatively high coefficient of correlation of .906. Thus, heavier women generally have larger hip girths. On the other hand, there is no such trend shown in Table 17, the bivariate of waist height and waist circumference; the distribution in this bivariate table is practically oval in shape. There is virtually no correlation between these two measurements, as confirmed by the low coefficient of correlation of .061. What this actually means is that almost any waist height may be expected to occur with any waist circumference. The practical implication of this lack of correlation is that skirts or trousers of whatever waist girth must be made in virtually all lengths in order to provide the sizes necessary to fit the population or that garment bottoms should be left unfinished and then tailored to fit the individual.

In general, height measurements (waist height, crotch height, sitting height) and the lengths of the arms or legs are highly correlated with stature. Circumference measurements or body girths are more highly correlated with weight. Breadth measurements tend to be more highly correlated with weight than with stature.

Tables 101-310 also show the regression equations for the two related measurements. These equations, which are based upon the relationship between the two measurements in the bivariate, make it possible to calculate predicted values of one measurement from given values of the other measurement. In Table 149, the regression equation for hip circumference (Y) and stature (X) is:

$$Y = 0.41X + 28.704$$

Thus, the average hip circumference of an Army woman 162.96 centimeters tall would be expected to be:

$$(0.41) 162.96 + 28.704 = 95.52 \text{ centimeters}$$

In addition to illustrating the relationship between two measurements, the bivariate table serves a very important and practical function as the basis for the development of clothing tariffs.

One of the ultimate objectives in the application of anthropometric data in the area of military logistics is the correlation of body sizes and clothing sizes in order to determine what quantities of which sizes of clothing are required to fit the bodies in the military population. The listing of quantities (or percentages) of clothing, by size, is called a clothing tariff, and it is from the bivariate table that such a tariff is generated or calculated.

This report consists in the main of more than 300 bivariate tables based on data from the 1976-1977 anthropometric survey of 1,331 U. S. Army women. Most of these tables were prepared directly from the data as they were collected and have interval widths which are multiples of the units in which they were recorded. These units were, in most cases, millimeters. A smaller number of the tables represent an effort to approximate the tables which would have been obtained had the measurements been made in inches and binary fractions of an inch.

Chapter I discusses the problem of preparing frequency tables in units other than those in which the data were measured and describes the "inch" bivariate and truncated tables (4-77 and 78-100 respectively). Chapter II contains the "inch" tables and Chapter III those based on the original data units (Tables 101-310). The report concludes with a brief bibliography and an index of the tables included here.

#### The Survey and Its Sample

The methodology of this survey has been described in the first report of this series (Laubach, L. L., J. T. McConville, E. Churchill and R. M. White, Anthropometry of Women of the U. S. Army--1977, Report No. 1 - Methodology and Survey Plan, Technical Report NATICK/TR-77/021, U. S. Army Natick Research and Development Command, Natick, Massachusetts, 1977). The basic univariate statistics are given in the second report of the series (Churchill, E., T. Churchill, J. T. McConville and R. M. White, Anthropometry of Women of the U. S. Army--1977, Report No. 2 - The Basic Univariate Statistics, Technical Report NATICK/TR-77/024, U. S. Army Natick Research and Development Command, Natick, Massachusetts, 1977).

A brief description of the sample in terms of age, race, and rank is given in Table 1.

TABLE 1

## DISTRIBUTION BY AGE, RACE AND RANK

<u>Age</u>	<u>No. of Subjects</u>	<u>Rank</u>	<u>No. of Subjects</u>
50 and up	3	<u>Officers</u>	
40-50	25	0-4, 0-5, 0-6	36
30-40	100	0-1, 0-2, 0-3	<u>308</u>
20-30	810		
under 20	<u>393</u>		
	Total 1331		Total 344
		<u>Enlisted</u>	
<u>Race</u>		E-6, E-7	23
White	989	E-4, E-5	176
Black	302	E-2, E-3	357
Oriental	25	E-1	<u>431</u>
NA	<u>15</u>		
	Total 1331		Total 987

At the completion of this survey, a group of 257 male soldiers were measured by the same measuring team using the same measuring techniques. A description and summary statistics as well as selected bivariate tables based on these data will be presented in a later report (Churchill, E., T. Churchill, J. T. McConville and R. M. White, Anthropometry of Women in the U. S. Army--1977, Report No. 5 - Comparative Data for U. S. Army Men, Technical Report NATICK/TR-77/029, U. S. Army Natick Research and Development Command, Natick, Massachusetts, 1977).

The organization of both surveys provided that a series of "core" measurements be made on each subject and that additional series of measurements be made on subgroups of the survey samples. All the bivariate frequency tables included in this report are based on the full sample. For easy reference, the means and standard deviations of these core measurements are listed in Table 2.

TABLE 2  
MEANS AND STANDARD DEVIATIONS FOR THE CORE MEASUREMENTS

VARIABLE NUMBER	MEAN	STANDARD DEVIATION	VARIABLE NAME
1	132.219	19.158	WEIGHT
2	162.958	6.521	STATURE
3	133.490	5.998	SHOULDER (ACROMIALE) HEIGHT
4	123.253	5.531	AXILLA HEIGHT
5	118.295	5.626	BUSTPOINT HEIGHT
6	101.390	5.200	WAIST HEIGHT
7	76.367	4.378	CROTCH HEIGHT
8	63.795	4.670	BUTTOCK HEIGHT
9	47.899	2.649	KNLECAP HEIGHT
10	32.549	2.302	CALF HEIGHT
11	85.077	3.592	SITTING HEIGHT
12	73.640	3.465	EYE HEIGHT, SITTING
13	33.565	1.748	SHOULDER-ELBOW LENGTH
14	43.517	2.235	ELBOW-FINGERTIP LENGTH
15	50.993	2.604	KNEE HEIGHT, SITTING
16	41.684	2.351	POPLITEAL HEIGHT
17	57.850	3.063	BUTTOCK-KNEE LENGTH
18	22.919	2.225	BUST DEPTH
19	18.269	2.210	WAIST DEPTH
20	20.247	1.850	CHEST BREADTH
21	25.586	2.456	WAIST BREADTH
22	35.366	2.470	HIP BREADTH
23	42.045	2.237	SHOULDER (BILLETOID) BREADTH
24	32.366	1.587	NECK CIRCUMFERENCE
25	100.300	5.429	SHOULDER CIRCUMFERENCE
26	85.549	5.194	CHEST CIRCUMFERENCE AT SCYE
27	88.215	6.420	BUST CIRCUMFERENCE
28	74.821	5.017	CHEST CIRCUMFERENCE BELOW BUST
29	71.014	6.898	WAIST CIRCUMFERENCE
30	95.517	6.337	HIP CIRCUMFERENCE
31	153.844	7.200	VERTICAL TRUNK CIRCUMFERENCE
32	37.520	2.423	ARM SCYE CIRCUMFERENCE
33	26.875	2.294	BICEPS CIRCUMFERENCE, FLEXED
34	25.979	1.624	ELBOW CIRCUMFERENCE, FLEXED
35	24.031	1.504	FOREARM CIRCUMFERENCE, FLEXED

TABLE 2  
MEANS AND STANDARD DEVIATIONS FOR THE CORE MEASUREMENTS

VARIABLE NUMBER	MEAN	STANDARD DEVIATION	VARIABLE NAME
36	14.706	.685	WRIST CIRCUMFERENCE
37	56.918	4.591	UPPER THIGH CIRCUMFERENCE
38	34.828	2.261	KNEE CIRCUMFERENCE
39	35.093	2.510	CALF CIRCUMFERENCE
40	20.734	1.248	ANKLE CIRCUMFERENCE
41	14.999	1.063	SHOULDER LENGTH
42	37.858	2.353	INTERSCYE, BACK
43	33.169	1.745	INTERSCYE, FRONT
44	41.971	3.169	BACK CURVATURE-BUST
45	35.366	3.479	BACK CURVATURE-WAIST
46	47.506	3.736	BACK CURVATURE-HIP
47	40.853	2.654	WAIST BACK LENGTH
48	36.736	2.629	WAIST FRONT LENGTH
49	25.264	2.084	NECK TO BUSTPOINT
50	23.100	2.516	AXILLA TO WAIST
51	45.054	2.613	SLEEVE INSEAM LENGTH
52	53.797	2.962	SLEEVE OUTSEAM LENGTH
53	72.932	5.461	CROTCH LENGTH
54	54.925	1.638	HEAD CIRCUMFERENCE
55	14.614	.539	HEAD BREADTH
56	18.708	.671	HEAD LENGTH
57	9.883	.523	PALM LENGTH
58	7.819	.338	HAND BREADTH
59	18.448	.857	HAND CIRCUMFERENCE
60	17.443	.902	HAND LENGTH
61	17.853	.985	INSTEP LENGTH
62	24.319	1.251	FOOT LENGTH
63	30.790	1.457	HEEL-ANKLE CIRCUMFERENCE
64	8.866	.515	FOOT BREADTH
65	6.089	.411	HEEL BREADTH
66	22.609	1.145	FOOT CIRCUMFERENCE
67	23.480	1.264	INSTEP CIRCUMFERENCE
68	10.856	1.017	ANKLE HEIGHT
69	6.463	.543	SPHYRION HEIGHT

## Chapter I

### METHODOLOGY: "INCH" AND TRUNCATED TABLES

The basic concept of a bivariate frequency table is a simple one--we set up a series of intervals or categories based on a pair of variables, and then observe how many individuals in a given sample or population fall into each of these categories. It is assumed that these intervals will spread out over the entire range of values for these variables and that there will be an interval to which each individual belongs. This, as a matter of fact, is how the majority of tables in this report were prepared. We have also included a number of tables prepared somewhat differently and, in the following paragraphs, we describe these "inch" and truncated frequency tables.

#### The "Inch" Bivariate Tables

Frequency tables--be they univariate, bivariate, or of an even greater number of variables--ordinarily are based on intervals which are multiples of the units of measurement in which the data were measured and recorded. A problem arises, therefore, in the presentation of body size data, measured in millimeter units, to those users of such data who continue to base their designs on inch, half-inch and quarter-inch units.

The nature of the problem in creating "other unit" tables and possible approaches to its solution are worth brief mention. Often, for example, one of the measurements involved in a bivariate frequency table is stature, a dimension usually measured by anthropometrists to, as best the measurer can judge, the nearest millimeter. In making a frequency table for stature with intervals such as 60"-61", 61"-62" and so forth, we find that the limits of the 61"-62" interval are, in millimeters, from 1549.4 to 1574.8. Clearly, any individual with a recorded stature of from 1550 to, and including, 1574 falls within this interval. The problem is the handling of those with recorded values of 1549 or 1575. A value recorded as 1549 can represent a stature as low as 1548.5 or as high as 1549.5; some individuals measured as 1549 thus belong in the 60"-61" category, others in the 61"-62" group. Similarly, some of the 1575's belong in the 61"-62" interval, others in the 62"-63" group. We can ignore this problem and follow a simple procedure of putting everyone with recorded values between 61 and 62 inches (that is, 1550-1574 millimeters) in the interval, everyone with recorded values between 62 and 63 inches (1575-1600 millimeters) in the next, and so forth. One problem with this approach is that we jump back and forth, sometimes combining 25, sometimes 26 sets of millimeter values into a single inch unit.



In making univariate tables with intervals of at least a full inch, the approach just described would seem quite practical. The actual interval widths will be either 0.984" or 1.024" wide and the errors in the interval endpoints would not be larger than about 0.02". The errors, however, increase as one goes from univariate to bivariate tables and the presumptive interval widths decrease. Thus, take-- from a practical point of view--an extreme case: a bivariate table with indicated one-quarter inch intervals for both variables. This approach creates intervals actually either 6 millimeters or 7 millimeters wide. The "boxes" in the bivariate table are thus  $6 \times 6 = 36$ ,  $6 \times 7 = 42$ , or  $7 \times 7 = 49 \text{ mm}^2$  in area. A true  $1/4" \times 1/4"$  double interval would include 0.0625 square inches, but in such a converted table the area would range from 0.0558 to 0.0759 square inches; the larger of these values being 36 percent larger than the smaller, and the frequency counts for roughly half the entries in the table being in error about 18 percent, hardly an acceptable level of accuracy.

A second approach would be to establish tables essentially following the method just discussed and then adjusting the results to compensate for the unequal interval widths. Thus, for example, in the case of the one-inch intervals, the frequencies obtained would then be multiplied by 1.016 ( $= 25.4/25$ ) or by 0.977 ( $= 25.4/26$ ) depending on whether 25 or 26 millimeter intervals were combined to make a one-inch interval, and shorter intervals can be treated similarly. While some slightly awkward results are obtained when using this method with bivariate tables (the row, or column, totals for one variable depend somewhat on the distribution of the other variable), it would appear to be a reasonable one. We are, however, not aware of any use made of this method with anthropometric data.

A third approach--the one which we have used--handles the problem of the overlapping values, the 1549 and the 1575 in the example we considered earlier, as follows. Since the bottom of the 61"-62" interval is 1549.4 and a recorded value of 1549 presumably represents the range of 1548.5 to 1549.5, there is only a 0.1-millimeter overlap. Thus, if there were many individuals with recorded statures of 1549 and if there were no solid reason for not supposing them distributed more or less evenly over the 1549  $\pm$  0.5-millimeter range, we might expect that about one-tenth of them exceeded 61", while nine-tenths of them were shorter. Similarly, since the upper limit of the 61"-62" interval is 1574.8 millimeters, we would expect about three-tenths of the individuals with recorded statures of 1575 to fall in the subinterval of 1574.5-1574.8 millimeters. The frequency count for the 61"-62" interval, one may thus argue, should include one-tenth of those individuals with recorded statures of 1549 millimeters, everyone with values from 1550 to 1574, and three-tenths of those with the value 1575. Equivalently, for each individual with a value of 1549, we can add 0.9 to the 60"-61" interval and 0.1 to the 61"-62" interval. For each individual with a value of 1575, 0.3 is added to the 61"-62" interval and 0.7 to the next larger interval.

This approach extends easily--with the help of a computer--to the bivariate case. The following diagram (Figure 1) shows the treatment assigned to an individual with a recorded stature of 1575 millimeters and a recorded bustpoint height of 1092 millimeters. In univariate tables, this individual would be counted as 0.3 in the 61"-62" range and 0.7 in the 62"-63" range for stature and as 0.7 in the 42"-43" range and 0.3 in the 43"-44" range for bustpoint height. In the bivariate table, this person is counted as 0.3 x 0.3 or 0.09 in the 61"-62"--43"-44" box, and, as shown in the diagram, 0.21, 0.21, and 0.49 in the three other boxes.

By using the method just described, a set of about 100 bivariate frequency tables with interval widths and interval end points which are either integer multiples or binary fractions of an inch have been prepared and are presented in the next chapter. To distinguish these tables from those constructed in terms of the measurement values as they were recorded, we shall call them "inch" bivariates in this report. These tables are presented in Tables 4 through 100 of this report. They are listed in the order of their presentation in the List of Tables starting on page 5 and are doubly listed (that is, both as stature and bust circumference and bust circumference and stature) in alphabetic order in the index at the end of this report.

#### The Truncated Tables

We have, in a few cases, provided both complete and truncated versions of a single table. This has been true, in particular, of tables which involve bust, waist, or hip circumference. The rationale of these truncated tables is illustrated by a consideration of the distribution of weight. The range of weight in the survey sample is from 88 to 277.8 pounds, a spread of almost 200 pounds. For tables with a maximum of 22 intervals, such a spread will require, for all practical purposes, interval widths of 10 pounds, resulting in a table such as Table 3a. Not only are these intervals rather wide, but, because of the large difference between the largest and the next to largest weights, a substantial number of the rows in the table are empty. If, on the other hand, we use only data for the central 99% (approximately) of the sample, the range is from 91.8 to 199.5 pounds with a spread of only 107.7 pounds, and an interval width of 5 pounds becomes possible. Similarly, the range for bust circumference is from 27.11 to 50.57 inches, just too large for one-inch intervals, while all but a single subject fall in a 27 to 47-inch range. Tables based on slightly truncated samples should, in general, be as useful for most design studies as those based on the full sample since the few outliers eliminated in the truncation will, as a rule, usually be ignored whether they appear in the tables or not. Table 3b includes all but the four women who weighed less than 90 pounds and the six who weighed over 200 pounds. As one might expect, the subject with the 51" bust was among those weighing over 200 pounds. As the "total" figure at the lower right corner of the table indicates, this group of subjects constituted 99.2% of the sample.

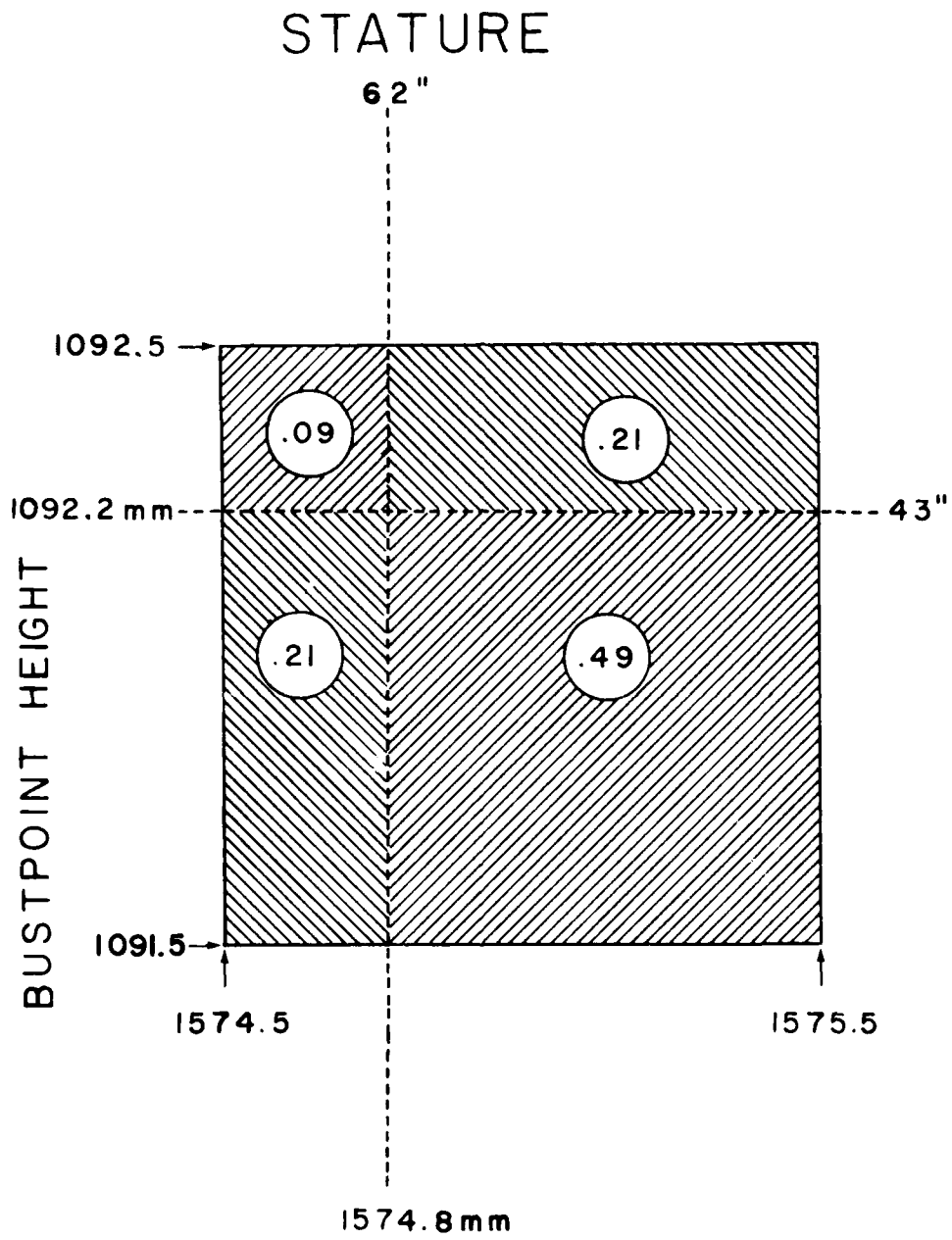


Figure 1. A schematic diagram of bivariate distribution.

TABLE 3a

ILLUSTRATIVE BIVARIATE DISTRIBUTION TABLE: COMPLETE

WEIGHT AND MUST CIRCUMFERENCE

MUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
26.	.1													
27.														.1
28.														.0
29.														.0
30.														.0
31.														.0
32.														.0
33.														.0
34.														.0
35.														.0
36.														.0
37.														.0
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93.														.0
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95.														.0
96.														.0
97.														.0
98.														.0
99.														.0
100.														.0

SUMMARY STATISTICS

	MEAN	ST. DEV.	VAR.	ST. ERR.
WEIGHT	122.22	19.16	.415	1731
MUST CIRCUMFERENCE	34.73	2.53	.1731	1731

TABLE 3b

ILLUSTRATIVE BIVARIATE DISTRIBUTION TABLE: TRUNCATED

WEIGHT AND BUST CIRCUMFERENCE

FUST CIRCUMFERENCE

	29. †	30. †	31. †	32. †	33. †	34. †	35. †	36. †	37. †	38. †	39. †	40. †	41. †	42. †	43. †	44. †	45. †
200. †																	
195. -																	.1
190. -													.2	.2		.1	.4
185. -										.2	.2	.1					.0
180. -									.2	.2	.2	.2	.1	.2			.6
175. -								.1	.2	.3	.3	.3	.1	.1	.2		.7
170. -						.2		.2	.7	.2	.1	.1	.1	.1			1.2
165. -							.4	.6	.4	.6	.2	.1	.1	.1			2.3
160. -						.2	.8	.6	.6	.8	.5	.2	.2	.2			4.3
155. -					.2	.2	1.1	1.2	1.1	.7	.4	.2					5.0
150. -				.1	.5	.7	1.6	2.3	1.1	.5	.3	.1					7.1
145. -				.2	.4	.7	1.7	2.0	1.7	1.1	.6	.3					8.6
140. -				.2	1.5	2.0	3.0	1.6	.6	.3	.3						10.5
135. -		.1	.2	1.1	1.4	2.7	2.6	1.7	.5	.3							10.7
130. -		.1	.5	1.7	2.7	2.2	1.8	.5	.5	.1							10.3
125. -		.1	1.0	2.7	3.2	2.9	1.2	.4	.1	.1							11.7
120. -		.3	1.2	2.0	1.7	1.1	.6	.1	.2								7.0
115. -		.2	.5	1.6	2.0	1.9	.6	.1									7.2
110. -		.1	.7	1.6	1.5	.8		.2									4.7
105. -		.0	.1	.5	1.2	1.0	.0	.1									3.4
100. -		.2	.1	.6	.7	.4	.0	.0									2.1
95. -	.1	.2	.4	.2	.2												.8
90. †	.2	.7	3.5	6.1	13.1	14.6	14.5	10.2	11.5	6.6	4.9	2.4	.8	.2	.2	.0	.1

PERCENT EXCLUDED .8

SUMMARY STATISTICS

WEIGHT	MEAN	ST. DEV.	-R-	-N-
BUST CIRCUMFERENCE	132.52	15.16	.415	1331
	16.73	2.53		

## Chapter II

### THE "INCH" BIVARIATE TABLES

Tables 4 through 100 were prepared using the procedure described in Chapter I.

The entries in these tables are expressed in percentages of the total sample, rounded to the nearest tenth of one percent. Column and row totals were obtained by adding the unrounded table entries and were then rounded. It should be noted that these tables are subject to the rules for the arithmetic of approximate numbers and that the entries in a given column (or row) as printed sometimes do not add to the listed total. Thus, for example, since a listed value of .1 could represent, among other values, .06 or .14, the sum of the two values (each listed as .1) might be .12 (the sum of .06 and .06) and be listed as .1, or .20 (the sum of .06 and .14) and be listed as .2, or .28 (the sum of .14 and .14) and be listed as .3. Such differences will rarely be larger than one or two tenths of a percent. Entries of .0 indicate percentages between .00 and .05%; entries which are true zeroes have been left blank.

Interval endpoints are labelled in a normal fashion when the interval widths are either full or half inches. Because of the somewhat inflexible nature of the computer-printout, we have used a non-standard labelling method for those relatively few tables with interval widths of quarter- or eighth-inches; the digit to the right of the "decimal point" represents the number of quarters (or eighths, as is appropriate) beyond the integer value of inches. The interval endpoints for head breadth, for example, will be labelled, 5.0, 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 6.0, etc., indicating values of 5", 5 1/8", 5 2/8", 5 3/8", 5 4/8", 5 5/8", 5 6/8", 5 7/8", 6", and so forth.

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TABLE 4  
STATURE AND SHOULDER (ACROMIALE) HEIGHT

	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.	
62. †																			
61. -																			
60. -																			
59. -																			
58. -																			
57. -																			
56. -																			
55. -																			
54. -																			
53. -																			
52. -																			
51. -																			
50. -																			
49. -																			
48. -																			
47. -																			
46. -																			
45. †																			

SUMMARY STATISTICS

SHOULDER (ACROMIALE) STATURE	HEIGHT	MEAN	ST DEV	-R-	-N-
		64.16	2.76	.968	1331

TABLE 5

STATURE AND WAIST HEIGHT

STATURE

	56. +	57. +	58. +	59. +	60. +	61. +	62. +	63. +	64. +	65. +	66. +	67. +	68. +	69. +	70. +	71. +	72. +	73. +	
46. -																			
47. -																			
48. -																			
49. -																			
50. -																			
51. -																			
52. -																			
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57. +																			
58. +																			
59. +																			
60. +																			
61. +																			
62. +																			
63. +																			
64. +																			
65. +																			
66. +																			
67. +																			
68. +																			
69. +																			
70. +																			
71. +																			
72. +																			
73. +																			

SUMMARY STATISTICS

WAIST HEIGHT	STATURE	MEAN	ST. DEV.	-2σ	-N-
65.16	2.57	29.02	2.55	.808	1331

BEST AVAILABLE COPY



# BEST AVAILABLE COPY

TABLE 6  
STATURE AND CROUCH HEIGHT

	STATURE																
	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.
37.	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
36.																	
35.																	
34.																	
33.																	
32.																	
31.																	
30.																	
29.																	
28.																	
27.																	
26.																	
25.																	
24.																	

SUMMARY STATISTICS

	MEAN	ST	DV	-R-	-N-
CROUCH HEIGHT	31.07	1.72	0.861	1.331	
STATURE	64.16	2.57			



# BEST AVAILABLE COPY

TABLE 2  
STATURE AND WAIST CIRCUMFERENCE

	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.	
48.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
46.	-																		
44.	-																		
42.	-																		
40.	-																		
38.	-																		
36.	-																		
34.	-																		
32.	-																		
30.	-																		
28.	-																		
26.	-																		
24.	-																		
22.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

SUMMARY STATISTICS

	MEAN	ST. DEV.	-R-	-N-
WAIST CIRCUMFERENCE	27.96	2.72	.211	1331
STATURE	67.16	2.57		

TABLE 9

STATURE AND HIF CIRCUMFERENCE

STATURE

	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.
54. +	.1	.2	.4	.6	1.0	1.4	1.8	2.2	2.6	3.0	3.4	3.8	4.2	4.6	5.0	5.4	5.8
52. -																	
50. -																	
48. -																	
46. -																	
44. -																	
42. -																	
40. -																	
38. -																	
36. -																	
34. -																	
32. -																	
30. +	.1	.5	1.4	2.7	4.0	5.3	6.6	7.9	9.2	10.5	11.8	13.1	14.4	15.7	17.0	18.3	19.6

SUMMARY STATISTICS

HIF CIRCUMFERENCE	MEAN	ST. DEV.	-R-	-N-
STATURE	37.61	2.51	.415	1331
	64.16	2.57		

*Handwritten notes:*  
 100%  
 100%  
 100%

# BEST AVAILABLE COPY

TABLE 10  
STATURE AND WAIST JACK

	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.
20.5 +	.1	.5	1.4	2.7	6.0	9.3	13.8	14.9	14.8	13.9	9.8	6.7	3.8	2.1	.8	.5	.1
20.0 -																	
19.5 -																	
19.0 -																	
18.5 -																	
18.0 -																	
17.5 -																	
17.0 -																	
16.5 -																	
16.0 -																	
15.5 -																	
15.0 -																	
14.5 -																	
14.0 -																	
13.5 -																	
13.0 +																	

SUMMARY STATISTICS

WAIST JACK STATURE	MEAN	ST DEV	-P-	-N-
	16.58	1.04	.021	1331
	64.16	2.57		

TABLE 11

STATURE AND WAIST FRONT

STATURE

	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.	
19.0 +																			
18.5 -								.1	.1	.0									.1
18.0 -								.1	.1	.2	.1	.1	.2	.2		.1			.3
17.5 -						.1		.2	.2	.2	.2	.2	.2	.1					.6
17.0 -							.1	.4	.2	.2	.0	.3	.3	.4	.1				.8
16.5 -				.1	.1		.3	.2	.5	.7	.8	.3	.6	.4	.1				1.9
16.0 -		.1	.1	.1	.1	.8	.1	.8	.9	1.0	.8	.8	1.0	.2	.2	.2	.1		4.0
15.5 -			.2	.2	.1	.5	.4	1.6	2.1	2.5	2.6	1.3	.9	1.0	.5	.2	.2		6.2
15.0 -		.1	.1	.1	.0	.4	.8	1.7	2.6	2.9	3.0	1.9	1.7	.8	.5	.2	.2	.1	14.3
14.5 -		.2	.3	.2	.3	1.5	2.5	2.9	3.2	3.2	3.2	1.9	1.0	.4	.5				17.0
14.0 -		.2	.4	.5	.5	1.5	1.8	2.6	2.4	2.6	1.9	1.1	.5	.2	.1	.1	.0		20.6
13.5 -		.1	.3	1.0	1.5	2.1	2.2	2.1	1.1	.7	1.0	.2	.1	.1	.1	.0	.0		16.0
13.0 -		.2	.1	.5	.5	.9	1.0	.4	.2	.6	.0	.0	.2						12.5
12.5 -		.0	.1	.0	.0	.3	.2	.1	.1										4.5
12.0 -		.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.8
11.5 +	.1	.2	1.4	2.7	6.0	9.3	13.8	14.9	14.6	13.9	6.8	6.7	3.8	2.1	.8	.5	.1	.1	100.0

SUMMARY STATISTICS

WAIST FRONT STATURE	MEAN	ST DEV	-R-	-N-
	14.46	1.03	.370	1331
	64.16	2.57		

1700

# BEST AVAILABLE COPY

TABLE 12  
STATURE AND SLEEVE INSEAM

STATURE

	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.		
21.5	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	
21.0	-																			
20.5	-																			
20.0	-																			
19.5	-																			
19.0	-																			
18.5	-																			
18.0	-																			
17.5	-																			
17.0	-																			
16.5	-																			
16.0	-																			
15.5	-																			
15.0	-																			
14.5	-																			
14.0	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑

SUMMARY STATISTICS

SLEEVE INSEAM	MEAN	ST DEV	-R-	-N-
STATURE	17.74	1.03	.745	1331
	64.16	2.57		

TABLE 17

STATURF AND SLEEVE OUTSEAM

STATURF

	56. ↑	57. ↑	58. ↑	59. ↑	60. ↑	61. ↑	62. ↑	63. ↑	64. ↑	65. ↑	66. ↑	67. ↑	68. ↑	69. ↑	70. ↑	71. ↑	72. ↑	73. ↑	
25.5 ↑																			
25.0 -															.1			.1	.2
24.5 -														.1	.1	.1	.2		.5
24.0 -								.1	.1	.2	.5	.4	.1	.1	.4	.1	.1	.1	2.0
23.5 -								.1	.4	.3	.6	.4	.7	.8	.4	.7	.0		4.0
23.0 -								.2	.1	.6	.9	1.9	1.4	1.3	.7	.1	.1		7.2
22.5 -				.1	.2	1.0	1.3	3.1	1.5	2.2	.8	.2	.2	.8	.2	.2	.1		10.8
22.0 -				.4	1.1	1.9	3.0	3.0	1.9	.8	.2			.2	.1	.1	.0		12.5
21.5 -						.3	.9	2.3	4.0	3.4	3.6	1.9	.6		.1				17.3
21.0 -				.2	.7	1.5	3.5	3.5	3.4	1.9	.3	.1							15.0
20.5 -			.2	.2	.6	1.6	3.2	3.5	2.6	2.2	.8	.4							15.3
20.0 -			.2	.1	.8	2.0	2.2	2.0	1.2	.5									8.9
19.5 -			.2	.2	.7	.9	.7	.9	.5										3.8
19.0 -			.6	.4	.2	.2	.1	.1											1.5
18.5 -	.1	.1	.1	.1	.2	.2	.1												.7
18.0 -			.1																.1
17.5 -			.1																.1
17.0 ↑	.1	.5	1.4	2.7	6.0	9.3	13.9	14.9	14.8	13.9	8.8	6.7	3.8	2.1	.8	.5	.1	.1	100.0

SUMMARY STATISTICS

SLEEVE OUTSEAM  
STATURF

MEAN ST DV  
21.18 1.17  
67.16 2.57

-S- .782  
-N- 1331

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TABLE 14

SHOULDER (ACROMIALE) HEIGHT AND WAIST BACK

SHOULDER (ACROMIALE) HEIGHT

	45. ↑	46. ↑	47. ↑	48. ↑	49. ↑	50. ↑	51. ↑	52. ↑	53. ↑	54. ↑	55. ↑	56. ↑	57. ↑	58. ↑	59. ↑	60. ↑	61. ↑	62. ↑	
20.5 -	.1																		.1
20.0 -									.1										.2
19.5 -										.1									.3
19.0 -								.1	.2	.0	.1	.3	.1	.1	.1				1.0
18.5 -			.0		.1	.2	.3	.3	.4	.5	.6	.6	.1	.1	.1				2.6
18.0 -		.1		.1	.2	.3	.6	1.0	.7	1.0	.5	.4	.3	.3	.3			.1	5.2
17.5 -				.1	.1	.4	.7	.9	1.6	1.5	1.3	1.0	.5	.1	.1				7.8
17.0 -		.2	.7	1.3	2.3	3.2	3.2	3.2	2.6	1.1	1.1	1.1	.9	.2	.2	.2			17.0
16.5 -		.2	.5	1.0	2.2	3.3	3.3	3.3	2.1	1.3	.2	.5							17.8
16.0 -		.2	.7	1.3	2.4	3.3	3.9	2.3	2.1	1.2	.2								17.6
15.5 -		.5	1.3	2.0	2.4	2.5	2.4	1.6	1.4	.7	.2	.1							15.0
15.0 -	.3	1.2	1.5	2.1	2.0	1.4	.7	.2	.1	.2	.1	.2	.1						10.0
14.5 -		.3	.4	.8	.9	.2	.4	.8	.1	.1	.1	.1							4.0
14.0 -	.1	.1	.2	.3	.1	.2	.1	.1											1.1
13.5 -		.1		.1	.1	.1													.2
13.0 -	.1	.4	1.6	4.8	7.6	12.3	14.3	16.7	15.1	11.0	7.8	4.3	2.6	.8	.2	.0	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST	CV	-P-	-N-
SHOULDER (ACROMIALE) HEIGHT	16.08	1.04	.499		1331
WAIST BACK	52.58	2.58			

TABLE 1F

WAIST HEIGHT AND CROUCH HEIGHT

WAIST HEIGHT

	33. ↑	34. ↑	35. ↑	36. ↑	37. ↑	38. ↑	39. ↑	40. ↑	41. ↑	42. ↑	43. ↑	44. ↑	45. ↑	46. ↑	47. ↑	48. ↑	
33. ↑																	.1
36. -													.1	.1		.1	.2
35. -													.5	.3		.1	1.3
34. -								.1		.1	.1	.3	.8	.2			3.0
33. -									.1		.6	1.4	.7	.1			9.4
32. -								.4	.9	2.1	3.1	2.0	.7				14.5
31. -					.0		.2	1.0	3.9	3.8	2.8	.8					20.6
30. -					.5		1.5	5.7	6.3	3.9	.6						23.4
29. -					.6		1.6	5.8	5.5	.7							16.6
28. -					.3		.7	4.2	7.0	3.6	.9						7.7
27. -					.2		.5	2.3	3.6	.9	.2						2.6
26. -					.1		.2	.5	1.4	.4	.1						.5
25. -					.1		.2	.2	.1								.1
24. ↑	.2	.6	1.5	5.0	10.3	15.5	20.2	19.4	12.6	7.2	4.6	2.1	.8	.0	.2	10.0	

SUMMARY STATISTICS

	MEAN	ST. DEV.	-R-	-N-
CROUCH HEIGHT	33.37	4.72	.882	1331
WAIST HEIGHT	33.92	2.05		

1951

TABLE 16

WAIST HEIGHT AND KNEE HEIGHT  
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WAIST HEIGHT

	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	48.
23.0 -	↑															
22.5 -																
22.0 -																
21.5 -																
21.0 -																
20.5 -																
20.0 -																
19.5 -																
19.0 -																
18.5 -																
18.0 -																
17.5 -																
17.0 -																
16.5 -																
16.0 -																
15.5 -																
15.0 -																

SUMMARY STATISTICS

KNEE HEIGHT	MEAN	ST. DV.	-R-	-N-
WAIST HEIGHT	18.66	1.04	.852	1331
	29.62	2.05		

TABLE 17

WAIST HEIGHT AND WAIST CIRCUMFERENCE

WAIST HEIGHT

48.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	48.	.1
46.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
44.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
42.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.4
40.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
38.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.8
36.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.2
34.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7
32.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.8
30.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.9
28.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.5
26.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.7
24.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0
22.	.2	.6	1.5	3.0	5.0	7.0	9.0	11.0	13.0	15.0	17.0	19.0	21.0	23.0	25.0	27.0	100.0

SUMMARY STATISTICS

WAIST CIRCUMFERENCE	MEAN	ST	DV	-P-	-N-
WAIST HEIGHT	27.92	2.72	2.05	.061	1731

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TABLE 18

WAIST HEIGHT AND HIP CIRCUMFERENCE

WAIST HEIGHT

	33. †	34. †	35. †	36. †	37. †	38. †	39. †	40. †	41. †	42. †	43. †	44. †	45. †	46. †	47. †	48. †
54. -								.1						.1		.1
52. -														.0		.0
50. -									.1							.1
48. -									.2							.2
46. -									.3	.1	.2					.6
44. -									.8	.5	.7	.4				3.1
42. -		.1			.2	.4	.2	2.1	2.1	1.8	1.3	.9	.6	.1	.1	10.8
40. -			.1	.2	.6	2.4	3.0	5.2	5.7	4.2	2.3	1.7	1.0	.4	.1	26.9
38. -			.3	.5	1.1	3.3	6.3	7.3	6.3	3.8	1.8	1.5	.3	.1	.1	32.5
36. -		.1	.4	.4	2.1	2.4	3.3	4.1	3.2	2.1	1.0	.1	.2	.1	.1	19.0
34. -		.1	.2	.4	.7	1.4	1.3	1.2	.6	.2		.1				6.0
32. -					.1	.3	.1	.1	.1							.6
30. †	.2	.6	1.5	5.0	10.3	15.5	20.2	15.4	12.6	7.2	4.6	2.1	.8	.0	.2	100.0

SUMMARY STATISTICS

MEAN	ST. DV.	-R-	-N-
37.61	2.51	.332	1331
39.92	2.05		
MEAN	ST. DV.	-R-	-N-
37.61	2.51	.332	1331
39.92	2.05		

TABLE 10  
 WAIST HEIGHT AND SPHYRION HEIGHT

WAIST HEIGHT

	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	48.
3.3	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
3.2	-						.1				.1			.0		.2
3.1	-						.1	.1	.2	.1	.4	.2	.2			1.2
3.0	-						.2	.4	.6	1.0	.5	.5	.2		.1	4.1
2.7	-						.5	1.0	2.4	2.6	2.2	1.1	.2	.1		11.3
2.6	-		.1	.0	.3	1.5	2.5	4.3	4.7	2.9	1.6	1.0	.4	.2		19.5
2.5	-		.1	.7	.7	1.9	4.7	4.8	4.6	2.3	1.4	.7	.5	.1	.0	21.4
2.4	-		.0	.2	.4	1.3	3.5	4.5	3.6	2.0	1.4	.8	.3	.3		20.8
2.3	-		.2	.3	.5	1.6	2.1	2.2	1.8	1.4	.4	.0	.1	.0		12.8
2.2	-		.1	.3	.6	.7	.6	1.2	.9	.6	.4	.1	.1	.0		5.6
2.1	-		.1	.4	.6	.6	.4	.4	.2	.1						2.4
2.0	-		.1	.2	.1	.2	.1	.0								.4
1.7	-		.0													.2
1.6	↑	.6	1.5	5.0	10.3	15.5	20.2	19.4	12.0	7.2	4.6	2.1	.8	.0	.2	100.0

SUMMARY STATISTICS

	MEAN	ST. DEV.	-P-	-N-
SPHYRION HEIGHT	2.54	2.21	.339	1331
WAIST HEIGHT	39.92	2.55		

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TABLE 2C

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CROTCH HEIGHT AND KNEE HEIGHT

CROTCH HEIGHT

	24.0	25.0	26.0	27.0	28.0	29.0	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0
23.0	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
22.5	-												.1	.1
22.0	-											.3	.1	.1
21.5	-									.3	1.1	.6		.3
21.0	-								.3	1.9	1.0	.4	.1	2.0
20.5	-					.7	2.4	4.6	.9	.1				3.7
20.0	-					.3	2.9	5.9	2.1	.0				8.7
19.5	-					.2	2.9	7.9	4.9	.4				11.2
19.0	-			.1	2.1	9.3	6.9	.9	.1					16.1
18.5	-			.1	.7	6.5	6.9	1.9	.1					19.3
18.0	-			.3	2.6	5.9	1.9	.4						18.1
17.5	-			1.2	3.3	1.8	.2	.6						11.1
17.0	-			.2	.7	1.0	.1							6.4
16.5	-	.1	.2	.2	.1									1.9
16.0	-	.1	.1	.1										.5
15.5	-	.6	.6	.6										.2
15.0	↑	.1	.5	2.6	7.7	16.6	23.4	20.6	14.5	9.4	3.0	1.3	.2	.1
														100.0

SUMMARY STATISTICS

	MEAN	ST	DV	-R-	-N-
KNEE HEIGHT	16.88	1.04	.919	1331	
CROTCH HEIGHT	30.37	1.72			

TABLE 21

CROTCH HEIGHT AND WAIST CIRCUMFERENCE

CROTCH HEIGHT

	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	
48.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.1
46.	-														.0
44.	-														.0
42.	-														.4
40.	-						.1	.2	.1	.1					.0
38.	-								.5	.1	.1				.8
36.	-								.1	.1	.2	.3	.2		2.2
34.	-		.1	.2	.1	.2	.8	.8	.4	.6	.2	.1			3.7
32.	-			.2	.6	1.9	3.7	2.1	1.6	1.4	.7	.1	.1	.1	11.8
30.	-		.2	.4	1.3	3.4	5.6	4.7	4.8	2.9	1.1	.5			24.9
28.	-		.1	.7	2.8	5.1	8.7	6.8	4.0	7.1	1.0	.4	.2		32.5
26.	-			1.5	2.4	4.2	4.4	4.2	3.1	.9	.5	.2			20.7
24.	-			.1	.5	1.0	.9	.4	.2	.1					3.0
22.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	3.0
	.1	.5	2.6	7.7	16.6	23.4	26.6	14.5	9.4	3.0	1.3	.2	.1	100.0	

SUMMARY STATISTICS

	MEAN	ST. DV.	-R-	-N-
WAIST CIRCUMFERENCE	27.96	2.72	.144	1331
CROTCH HEIGHT	30.07	1.72		

BB 1000000000



# BEST AVAILABLE COPY

TABLE 22

## CROTCH HEIGHT AND HIP CIRCUMFERENCE

### CROTCH HEIGHT

	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.
54. +	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
52. -														
50. -														
48. -														
46. -														
44. -														
42. -														
40. -														
38. -														
36. -														
34. -														
32. -														
30. +	.1	.5	2.6	7.7	16.6	23.4	20.4	14.5	9.4	3.0	1.3	.2	.1	100.0

### SUMMARY STATISTICS

	MEAN	ST. DV.	-R-	-N-
HIP CIRCUMFERENCE	37.61	2.51	.258	1331
CROTCH HEIGHT	31.07	1.72		

TABLE 23

CROCICH HEIGHT AND SFFYRION HEIGHT

CROCICH HEIGHT

	24.†	25.†	26.†	27.†	28.†	29.†	30.†	31.†	32.†	33.†	34.†	35.†	36.†	37.†
3.5†								.1	.1					.1
3.2 -						.1		.0	.1	.1				.2
3.1 -				.0	.0	.0	.2	.1	.5	.1	.1	.1		1.2
3.0 -				.1	.5	.9	.9	.7	.8	.2	.1	.1	.1	4.1
2.7 -				.0	.2	1.2	2.2	2.8	1.2	.8	.2	.2		11.3
2.6 -			.3	.6	2.9	4.6	4.7	3.6	1.9	.7	.1	.1	.1	19.5
2.5 -				.4	1.5	4.0	5.9	4.1	2.7	1.6	.7	.3		21.4
2.4 -		.0		.7	1.9	3.6	4.8	4.6	2.2	2.1	.3	.3	.2	20.8
2.3 -		.1		.6	2.2	2.8	2.6	1.4	.6	.3	.0	.0		12.8
2.2 -			.1	.3	.6	.7	1.4	.8	.9	.5	.1	.2		5.6
2.1 -				.1	.4	.7	.6	.4	.1					2.4
2.0 -				.0	.2	.1		.1						.4
1.7 -						.1		.1						.2
1.6 †	.1	.5	2.6	7.7	16.6	23.4	20.6	14.5	9.4	3.0	1.3	.2	.1	110.0

SUMMARY STATISTICS

	MEAN	ST	OV	-R-	-N-
SFFYRION HEIGHT	2.54	.21		.275	1331
CROCICH HEIGHT	31.17	1.72			

REPRODUCTION COPY

# BEST AVAILABLE COPY

TABLE 24

KNEE HEIGHT AND SPHYRION HEIGHT

KNEE HEIGHT

	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0
3.3 +												.0	.1				
3.2 -							.1					.1	.0	.1			.1
3.1 -							.0	.2			.1	.3	.4	.1			.2
3.0 -							.1	.7	.5	.7	.7	.8	.4	.2	.1		1.2
2.7 -					.3	.5	1.5	1.6	2.3	2.2	1.0	.9	.5	.1			4.1
2.6 -			.1	.5	1.8	3.0	4.6	3.8	2.6	1.9	.6	.5	.1				11.3
2.5 -		.1	.3	1.1	2.9	3.8	5.1	3.4	2.0	1.6	.5	.4	.2	.1	.1	.1	19.5
2.4 -		.3	.4	1.8	2.4	3.5	4.0	3.3	1.6	2.2	.4	.2	.0	.0	.0	.1	21.4
2.3 -		.0	.1	.5	1.8	2.4	2.0	1.7	1.0	.6	.2	.2	.2	.2	.2	.2	20.8
2.2 -		.0	.4	.5	.4	1.3	.9	.8	.8	.2	.2	.1	.1	.1	.1	.1	12.8
2.1 -		.0	.1	.3	.5	.9	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	5.6
2.0 -		.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	2.4
1.7 -		.0	.1	.1	.1	.1	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.4
1.6 +	.0	.2	.5	1.9	6.4	11.1	18.1	19.3	16.1	11.2	8.7	3.7	2.0	.3	.1	.1	20.0

SUMMARY STATISTICS

SPHYRION HEIGHT	MEAN	ST	DV	-R-	-N-
KNEE HEIGHT	2.54	.21	.336	1351	
	18.86	1.07			

TABLE 25  
 SHOULDER-ELBOW LENGTH AND ELBOW-FINGERTIP LENGTH

	SHOULDER-ELBOW LENGTH																			
20.5 -	10.2	11.0	11.1	11.3	12.0	12.1	12.2	13.0	17.1	17.2	13.2	14.0	14.1	14.2	14.3	15.0	15.1	15.2	15.3	16.0
19.5 -									.1	.0	.2	.7	.1	.1	.1	.1	.1	.1	.1	.7
19.0 -										.1	.2	.7	.5	.2	.3	.3	.2	.2	.2	1.8
18.5 -									.2	.7	.6	.7	1.3	.9	.6	.2				4.8
18.0 -								.5	.3	.9	1.4	2.1	2.0	1.3	.9	.1				9.4
17.5 -					.0	.1	.3	1.0	1.9	3.4	3.1	2.0	2.0	.8	.3	.1				16.0
17.0 -					.2	.4	1.4	3.2	4.7	6.2	2.9	1.9	.3	.1	.1					21.7
16.5 -					.0	.7	2.2	2.9	4.4	5.7	3.7	1.3	.7	.2						19.6
16.0 -					.3	.7	1.2	3.6	4.3	5.1	1.9	1.2	.2	.1						16.1
15.5 -			.2	.5	.7	1.1	1.5	1.9	1.2	.2	.1									7.3
15.0 -			.1	.2	.2	.3	.1	.4	.4	.2										2.2
14.5 +	.0	.0	.0	.0	.7	1.5	4.1	4.2	11.2	13.6	12.5	15.6	5.0	8.6	5.0	3.7	2.0	.4	.2	.4
																				100.0

SUMMARY STATISTICS

	MEAN	ST DEV	MIN	MAX
ELBOW-FINGERTIP LENGTH	17.33	.99	.745	1331
SHOULDER-ELBOW LENGTH	13.22	.68		

DISCONTINUED COPY

# BEST AVAILABLE COPY

TABLE 2E

## CHEST BREADTH AND SHOULDER LENGTH

### CHEST BREADTH

	9.0	9.5	10.0	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5
7.2	.1	.0	.1	.0	.1	.0	.1	.0	.1	.0	.1	.0	.1	.0	.1	.0
7.1	.2	.1	.2	.3	.1	.2	.3	.1	.2	.3	.1	.2	.3	.1	.2	.3
7.0	.1	.3	.6	.5	.1	.2	.3	.1	.2	.3	.1	.2	.3	.1	.2	.3
6.3	.6	.8	1.9	1.3	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
6.2	.1	.2	1.1	2.9	3.8	1.9	1.1	.3	.1	.3	.1	.3	.1	.3	.1	.3
6.1	.9	2.1	5.4	5.0	4.3	2.0	.4	.2	.1	.4	.2	.1	.4	.2	.1	.4
6.0	.1	1.0	4.5	5.9	6.1	5.0	1.1	.5	.2	.5	.2	.1	.5	.2	.1	.5
5.3	.1	.8	3.0	5.8	4.6	4.0	.9	.5	.2	.5	.2	.1	.5	.2	.1	.5
5.2	.0	.9	2.2	3.4	2.2	1.0	.5	.2	.1	.5	.2	.1	.5	.2	.1	.5
5.1	.1	.4	.7	1.1	.9	.4	.2	.2	.1	.4	.2	.1	.4	.2	.1	.4
5.0	.6	.2	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
4.3	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
4.2	.3	4.3	15.0	26.0	25.5	18.7	6.5	2.3	.9	.2	.2	.0	.1	.0	.1	100.0

### SUMMARY STATISTICS

	MEAN	ST DEV	-R-	-N-
SHOULDER LENGTH	5.91	.42	.194	1331
CHEST BREADTH	11.12	.73		

TABLE 27  
SHOULDER BREADTH AND SHOULDER LENGTH

SHOULDER BREADTH

	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5	22.0	22.5
7.2 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
7.1 -																		
7.0 -																		
6.3 -																		
6.2 -																		
6.1 -																		
6.0 -																		
5.3 -																		
5.2 -																		
5.1 -																		
5.0 -																		
4.3 -																		
4.2 -																		

SUMMARY STATISTICS

	MEAN	ST DEV	R	N
SHOULDER LENGTH	5.51	.42	.368	1331
SHOULDER BREADTH	18.55	.86		

BEST AVAILABLE COPY

# BEST AVAILABLE COPY

TABLE 28

## NECK CIRCUMFERENCE AND BUST CIRCUMFERENCE

### NECK CIRCUMFERENCE

	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5
52. +													.1
50. -													.1
48. -													.0
46. -													.1
44. -													.2
42. -													.4
40. -													1.7
38. -													7.3
36. -													18.6
34. -													30.7
32. -													27.8
30. -													12.2
28. -													.9
26. +													.1

### SUMMARY STATISTICS

	MEAN	ST	DV	-R-	-N-
BUST CIRCUMFERENCE	34.73	2.53		.575	1371
NECK CIRCUMFERENCE	12.74	.62			

TABLE 29

SHOULDER CIRCUMFERENCE AND INTERSCYE BACK

SHOULDER CIRCUMFERENCE

	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.	54.	56.
19.0 +													.1
18.5 -													.0
18.0 -									.0				.4
17.5 -						.1	.1	.2					1.0
17.0 -					.2	.4	.2	.1	.1				2.5
16.5 -					.2	.3	.3	.4	.2				7.7
16.0 -			.2	.7	3.6	3.0	.2	.2	.0				13.9
15.5 -			.8	3.3	6.7	3.0			.1				19.7
15.0 -			2.1	8.8	6.8	1.9	.1						21.0
14.5 -			4.7	10.	5.0	.9	.2						18.0
14.0 -		.0	7.1	6.9	2.6	.4	.1						9.5
13.5 -	.1	1.2	4.1	3.1	.8	.2	.1						4.1
13.0 -		.6	1.9	1.1	.7								1.7
12.5 -		.4	1.0	.3									.5
12.0 -		.3	.2	.1									.0
11.5 +	.1	3.6	21.6	35.4	27.1	10.5	1.1	.4	.2	.0	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST	CV	-R-	-N-
INTERSCYE BACK	14.50	.92		.652	1331
SHOULDER CIRCUMFERENCE	39.52	2.15			

BFS ANALYSIS COPY



# BEST AVAILABLE COPY

TABLE 30

SHOULDER CIRCUMFERENCE AND INTERSCYE FRONT

SHOULDER CIRCUMFERENCE

	32. +	34. +	36. +	38. +	40. +	42. +	44. +	46. +	48. +	50. +	52. +	54. +	56. +
16.0 -	.1												.1
15.3 -													.0
15.2 -									.1				.2
15.1 -						.1	.0	.1					.1
15.0 -					.1	.1	.5	.1					.8
14.3 -					.2	.2	.6	.2	.1	.1			1.4
14.2 -					.3	1.1	.5	.3					2.2
14.1 -					.7	1.7	1.3	.3	.1				4.0
14.0 -					.6	.2	1.5	3.4	2.2	.2			7.4
13.3 -					.1	.5	2.5	3.6	2.1	.1	.0		8.9
13.2 -					.2	1.1	4.0	4.5	1.4				11.2
13.1 -					.0	2.8	7.2	5.3	.9	.0			16.2
13.0 -					.1	3.6	6.7	3.5	.7	.1			14.7
12.3 -		.1			.5	3.7	6.2	1.9	.3				12.7
12.2 -					.5	4.0	2.4	1.2	.1				8.1
12.1 -					.6	2.9	2.1	.4					6.1
12.0 -					.4	1.6	1.2	.2					3.3
11.3 -					.5	1.1	.4						1.9
11.2 -					.2	.2							.4
11.1 -					.1	.2							.2
11.0 +	.1	3.6	21.6	35.4	27.1	10.5	1.1	.4	.2	.0	.0	.1	10.0

SUMMARY STATISTICS

	MEAN	ST. DEV.	-R	-M
INTERSCYE FRONT	13.36	.69	.644	1331
SHOULDER CIRCUMFERENCE	39.52	2.15		

TABLE 31  
CHEST CIRCUMFERENCE AT SCYE AND MUST CIRCUMFERENCE

	26.	28.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	48.	49.	50.	
52.0																								
50.0																								
48.0																								
46.0																								
44.0																								
42.0																								
40.0																								
38.0																								
36.0																								
34.0																								
32.0																								
30.0																								
28.0																								
26.0																								

SUMMARY STATISTICS

CHEST CIRCUMFERENCE AT SCYE	MEAN	SD	CV	SC	VAR
	14.73	2.02	.386	1.38	1.73

BEST AVAILABLE COPY

TABLE 32

BUST CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

BEST AVAILABLE COPY

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
43.	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
42.	-													.1
41.	-													.0
40.	-													.0
39.	-													.1
38.	-													.1
37.	-													.0
36.	-													.2
35.	-													.9
34.	-													.5
33.	-													2.6
32.	-													5.5
31.	-													9.9
30.	-													15.2
29.	-													22.6
28.	-													17.7
27.	-													15.1
26.	-													8.3
25.	-													.8
24.	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	.4
	.1	.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

CHEST CIRCUMFERENCE BELOW BUST	MEAN	ST. DV.	-R-	-N-
BUST CIRCUMFERENCE	35.46	1.98	.867	1331
	34.73	2.53		

TABLE 23  
 BUST CIRCUMFERENCE AND WAIST CIRCUMFERENCE

		BUST CIRCUMFERENCE													
		26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
48.	↑														.1
46.	-														.0
44.	-														.0
42.	-														.4
40.	-									.1	.2	.1			.0
38.	-								.2	.1	.5	.1			.8
36.	-							.1	.4	1.1	.4	.2			2.2
34.	-						.5	.9	1.9	.5					3.7
32.	-				.8	3.1	5.2	2.4	.2						11.0
30.	-	.1	.5	7.4	10.6	8.5	1.7	.1							24.9
28.	-			2.8	12.9	13.6	3.0	.2							32.5
26.	-		.3	7.0	10.2	2.8	.5								20.7
24.	-		.1	.6	2.0	.4									5.0
22.	↑	.1	.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST. DEV.	-R-	-N-
WAIST CIRCUMFERENCE	27.96	2.72	.799	1231
BUST CIRCUMFERENCE	34.73	2.53		

BEST AVAILABLE COPY

# BEST AVAILABLE COPY

TABLE 34

## RUST CIRCUMFERENCE AND HIF CIRCUMFERENCE

### EUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
54.	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
52.	-													
50.	-													
48.	-													
46.	-													
44.	-													
42.	-													
40.	-													
38.	-													
36.	-													
34.	-													
32.	-													
30.	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑

### SUMMARY STATISTICS

	MEAN	ST DV	-R-	-N-
HIF CIRCUMFERENCE	27.61	2.51	.715	1331
BUST CIRCUMFERENCE	34.73	2.53		

TABLE 25

ELBOW CIRCUMFERENCE AND ARM SCYE CIRCUMFERENCE

ELBOW CIRCUMFERENCE

	26. +	28. +	30. +	32. +	34. +	36. +	38. +	40. +	42. +	44. +	46. +	48. +	50. +	52. +
20.5 -														.1
20.0 -														.0
19.5 -														.0
19.0 -														.1
18.5 -									.1	.2	.1			.3
18.0 -							.1	.1	.2	.1				.4
17.5 -							.1	.4	.4	.1		.1		1.1
17.0 -							.2	.5	.4	.1	.1			2.0
16.5 -					.1	1.1	2.1	1.6	.4					5.4
16.0 -				.1	.7	4.0	4.0	1.9	.2					10.8
15.5 -				.2	2.3	7.5	6.2	1.8						17.8
15.0 -				1.2	6.6	9.2	3.5	.5						21.0
14.5 -		.1	2.2	9.1	6.7	1.7	.4							20.0
14.0 -		.4	4.3	6.6	2.0	.4		.1						13.7
13.5 -		.1	3.5	1.9	.1									5.6
13.0 -		.3	.6	.4										1.5
12.5 -		.1	.1	.1										.2
12.0 -		.1	.1	.1										.1
11.5 +	.1	.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST. DEV.	TR	N
ARM SCYE CIRCUMFERENCE	14.77	.95	.764	1331
ELBOW CIRCUMFERENCE	34.73	2.53		

BEST AVAILABLE COPY

TABLE 36  
 BUST CIRCUMFERENCE AND SHOULDER LENGTH

		BUST CIRCUMFERENCE													
		26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
7.2	+														
7.1	-				.1	.2	.4	.4	.0	.1					.1
7.0	-				.1	.3	.7	.5	.1		.1				.8
6.3	-				.6	1.0	2.2	1.0	.3		.2			.1	1.8
6.2	-				.0	1.0	4.1	2.4	.5	.3			.1		5.3
6.1	-		.1	.2	1.8	5.7	5.5	1.8	.3	.1					11.4
6.0	-		.1	3.4	6.2	8.0	4.6	1.4	.3						20.4
5.3	-		.1	2.2	5.9	6.6	2.8	1.8	.4	.2					24.3
5.2	-		.2	2.1	3.5	2.2	1.4	.9	.1	.1					29.0
5.1	-		.1	.7	1.2	1.1	.5	.3	.2		.1				10.4
5.0	-		.3	.5	.3			.1							4.0
4.3	-		.1	.2											1.2
4.2	+	.1	.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST DV	-R-	-N-
SHOULDER LENGTH	5.91	.42	.127	1331
BUST CIRCUMFERENCE	34.73	2.53		

TABLE 37

BUST CIRCUMFERENCE AND INTERSCYE BACK

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
19.0	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
18.5	-													
18.0	-					.1	.1	.1	.0					.0
17.5	-			.1	.4	.4	.2	.1	.2	.1	.1	.1		.4
17.0	-					.3	.5	.9	.4	.2	.1	.2		1.0
16.5	-					.9	2.3	3.0	1.2	.4				2.5
16.0	-			.8	2.5	5.3	3.0	2.7	.2					7.7
15.5	-		.0	1.5	5.0	6.2	5.3	1.4	.3					13.9
15.0	-		.1	2.2	6.8	7.3	3.3	1.1	.1	.1				19.7
14.5	-		.4	3.0	6.2	5.7	1.9	.7	.2					21.0
14.0	-		.1	2.6	5.3	2.1	.8	.3	.1					18.0
13.5	-	.1	.2	1.2	1.9	.6	.2	.1	.1					9.5
13.0	-			.6	.7	.3								4.1
12.5	-			.3	.2	.1								1.7
12.0	-													.5
11.5	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
	.1	.5	12.2	27.8	70.7	16.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

INTERSCYE BACK	MEAN	ST	DV	-R-	-N-
BUST CIRCUMFERENCE	34.73	.93	2.53	.477	1331

BEST AVAILABLE COPY



BEST AVAILABLE COPY

TABLE 38

BUST CIRCUMFERENCE AND INTERSCYE FRONT

FUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
16.0 +														.1
15.3 -														.0
15.2 -														.2
15.1 -												.1		.1
15.0 -				.1	.2	.3	.2	.0						.8
14.3 -					.5	.1	.2	.2	.1					1.4
14.2 -				.1	1.0	.7	.2	.2	.0					2.2
14.1 -				.1	1.2	1.7	.7	.4	.0					4.0
14.0 -				.2	1.1	2.5	1.9	1.3	.2	.1	.1			7.4
13.3 -				.3	1.5	2.0	2.4	1.6	.3					8.9
13.2 -				.1	.7	2.4	4.0	2.9	.5	.1	.1			11.2
13.1 -				.0	.1	1.4	4.1	6.4	3.1	1.1	.0			16.2
13.0 -				.1	1.7	4.9	4.5	2.9	.6	.1				14.7
12.3 -				2.2	4.4	7.6	1.7	.5	.2					12.7
12.2 -				.3	1.7	3.6	1.8	.4	.1					8.1
12.1 -				.4	1.8	2.5	1.0	.4	.0					6.1
12.0 -				.1	1.1	1.5	.4	.2						3.3
11.3 -				.7	.8	.4								1.9
11.2 -				.3	.2									.4
11.1 -				.2										.2
11.0 +	.1	.5	12.2	27.8	3.7	18.6	7.7	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST DEV	-R-	-N-
INTERSCYE FRONT	12.56	.69	.509	1331
BUST CIRCUMFERENCE	24.75	2.57		

TABLE 39

BUST CIRCUMFERENCE AND WAIST RACK

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
20.5	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
20.0	-					.1								.1
19.5	-				.1	.2	.1							.2
19.0	-				.1	.1	.1	.1	.2					.3
18.5	-		.2	.1	.5	.1	.1	.1	.0	.1			.1	1.0
18.0	-		.3	.6	.8	.3	.5	.1	.0	.0				2.6
17.5	-	.1	.7	1.4	1.1	1.4	.4	.1	.1	.1	.1			5.2
17.0	-	.1	.7	2.1	2.2	1.8	.7	.1	.1	.1	.1	.1		7.8
16.5	-		.1	1.6	4.4	6.1	3.1	1.1	.5	.1	.2			17.0
16.0	-		.1	2.0	5.5	5.3	3.0	1.0	.3					17.8
15.5	-			2.4	4.6	6.0	3.4	.9	.4					17.6
15.0	-		.1	1.9	4.7	3.7	3.2	1.1	.2					15.0
14.5	-	.4	1.3	2.8	3.3	1.7	.5	.1						10.0
14.0	-	.2	.8	1.3	.8	.5	.4							4.0
13.5	-		.4	.2	.5	.1								1.1
13.0	↑	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
		.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST. DEV.	-R-	-N-
WAIST RACK	34.68	1.04	.164	1331
BUST CIRCUMFERENCE	34.73	2.53		

BEST AVAILABLE COPY

BEST AVAILABLE COPY

TABLE 4C

BUST CIRCUMFERENCE AND WAIST FRONT

EUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
19.0 +	.1													
18.5 -					.1	.1	.1	.2						.1
18.0 -						.2	.1	.1	.1	.1	.1			.1
17.5 -				.1		.2	.1	.2	.2	.2	.2			.6
17.0 -					.2	.1	.2	.3	.4	.2	.1			.8
16.5 -			.1	.1	.6	1.6	.6	.6	.2					1.9
16.0 -				.2	1.0	1.9	1.9	.7	.4					4.0
15.5 -				1.1	3.0	3.8	3.9	2.1	.2	.1	.1	.1		6.2
15.0 -				1.4	3.9	6.7	7.5	1.2	.3					14.3
14.5 -			.1	3.1	7.7	5.8	3.0	.6	.2	.1				17.0
14.0 -			.2	2.3	5.1	4.9	3.3	.6						20.6
13.5 -			.4	2.4	4.2	3.3	1.5	.6	.1					16.0
13.0 -	.1		.1	1.1	1.3	1.4	.5	.1						12.5
12.5 -			.1	.0	.4	.4	.1							4.5
12.0 -			.0		.2	.1								.8
11.5 +	.1	.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST DEV	RT	NT
WAIST FRONT	14.46	1.03	.351	1331
BUST CIRCUMFERENCE	34.73	2.53		

TABLE 41

BUST CIRCUMFERENCE AND NECK TO BUST POINT

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
13.5	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
13.0	-							.1	.1	.1				.1
12.5	-						.3	.2	.2	.1				.7
12.0	-					.5	.5	.5	.2	.0				2.0
11.5	-				.5	2.3	2.2	1.9	.4	.1	.1			7.5
11.0	-			.2	2.0	5.1	4.5	2.8	.2	.1	.2	.1		15.0
10.5	-	.1		.8	4.4	7.5	6.5	1.3	.2					20.2
10.0	-			2.9	6.4	9.7	3.0	.4	.2					24.6
9.5	-		.2	4.0	7.6	4.0	1.6	.1	.1					17.5
9.0	-	.4		2.7	4.2	1.5	.1	.2						9.1
8.5	-	.3		1.5	.7	.2	.1							2.7
8.0	-	.1		.1	.1									.3
7.5	-			.1										.1
7.0	↑	.1	↑	.5	12.2	27.8	30.7	18.6	7.3	1.7	.4	.2	.1	.0
														.1
														100.0

SUMMARY STATISTICS

	MEAN	ST. DEV.	-P-	-N-
NECK TO BUST POINT	9.55	.82	.628	1331
BUST CIRCUMFERENCE	34.73	2.53		

NOT AVAILABLE COPY

BEST AVAILABLE COPY

TABLE 42

BUST CIRCUMFERENCE AND AXILLA TO WAIST

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
14.0	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
13.5	-													.1
13.0	-													.0
12.5	-			.1	.1	.1	.2	.0						.4
12.0	-			.2	.2	.4	.1	.3	.1					.7
11.5	-			.2	.3	.4	.4	.1	.1					1.2
11.0	-			.4	1.0	1.5	.7	.3	.1	.2	.1			1.4
10.5	-			.1	.9	2.7	1.5	.7	.1	.1	.1			4.3
10.0	-			.1	2.0	4.1	2.7	1.3	.2	.1				8.5
9.5	-			.1	2.3	5.8	2.7	1.4	.5	.1	.1			14.5
9.0	-	.1		.3	2.7	5.2	4.6	1.3	.4					19.5
8.5	-			.2	2.3	4.3	4.9	3.8	1.4	.1	.1			20.7
8.0	-			.2	.8	2.9	2.6	1.5	.3	.1				16.9
7.5	-			.1	.2	.9	1.2	.5	.1					8.3
7.0	-			.2	.3	.1								2.9
6.5	-													.6
6.0	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
	.1	.5	12.2	27.6	30.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	100.0

SUMMARY STATISTICS

	MEAN	ST DEV	-R-	-N-
AXILLA TO WAIST	9.09	.90	.096	1331
BUST CIRCUMFERENCE	34.73	2.53		

TABLE 43

BUST CIRCUMFERENCE AND SLEEVE INSEAM

BUST CIRCUMFERENCE

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
21.5 -	.2	.2	.2	.2	.2	.2	.1	.1						.2
21.0 -														.5
20.5 -				.2	.1	.3	.4	.1	.2					1.2
20.0 -				.5	.5	.9	.7	.1				.0		2.7
19.5 -		.0	.4	1.7	2.6	1.5	.7	.1				.1		7.1
19.0 -		.1	1.1	2.2	4.5	2.1	.8	.3	.1					11.2
18.5 -		.1	1.5	4.3	4.4	3.1	1.7	.2		.0			.1	15.3
18.0 -		.2	2.0	5.8	5.6	3.9	1.3	.3	.2	.2				19.4
17.5 -		.3	3.0	5.3	5.6	2.5	.5	.5		.0				18.2
17.0 -		.2	2.2	4.1	3.6	2.5	.7	.1						13.2
16.5 -		.2	1.1	2.5	2.0	.9	.5	.2						7.4
16.0 -		.1	.4	.9	.7	.4	.2							2.8
15.5 -			.0	.0	.2	.2	.1							.4
15.0 -					.1	.2	.1							.3
14.5 -					.1	.2	.1							.1
14.0 -	.1	.5	12.2	27.8	33.7	18.6	7.3	1.7	.4	.2	.1	.0	.1	103.0

SUMMARY STATISTICS

	MEAN	ST DEV	-R-	-N-
SLEEVE INSEAM	17.74	1.03	.120	1331
BUST CIRCUMFERENCE	34.73	2.53		

TABLE 44

BUST CIRCUMFERENCE AND SLEEVE OUTSEAM

	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.	50.	52.
25.5	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
25.0	-													
24.5	-			.1	.1	.3	.1			.1				.1
24.0	-		.4	.2	.7	.4	.3		.1					.5
23.5	-		.3	.9	1.3	.9	.4		.2					2.0
23.0	-		.4	1.2	2.5	2.1	.8	.2						4.0
22.5	-		.6	2.6	4.1	1.9	1.0	.2	.2			.1		7.2
22.0	-		.0	1.2	2.7	4.9	2.0	1.4	.1	.1			.1	10.8
21.5	-	.1	.2	2.2	4.8	4.6	3.7	1.0	.7	.1				12.5
21.0	-		.2	2.1	4.6	4.5	2.9	.6	.1	.1				17.3
20.5	-		.2	2.7	5.1	4.3	2.2	.7	.2	.1				15.0
20.0	-		.2	1.7	3.4	2.2	.8	.6	.1					15.3
19.5	-		.1	.3	1.4	1.1	.6	.4						9.9
19.0	-		.1	.2	.5	.2	.5							3.8
18.5	-		.1	.2	.2	.2	.2	.0						1.5
18.0	-													.7
17.5	-					.1		.1						.1
17.0	♦	.1	.5	12.2	27.8	30.7	16.6	7.3	1.7	.4	.2	.1	.0	.1

SUMMARY STATISTICS

	MEAN	ST. DV	-R-	-N-
SLEEVE OUTSEAM	31.18	1.17	.200	1331
BUST CIRCUMFERENCE	34.73	2.53		

BEST AVAILABLE COPY

TABLE 45

WAIST CIRCUMFERENCE AND HIF CIRCUMFERENCE

WAIST CIRCUMFERENCE

	22. ↑	24. ↑	26. ↑	28. ↑	30. ↑	32. ↑	34. ↑	36. ↑	38. ↑	40. ↑	42. ↑	44. ↑	46. ↑	48. ↑
54. ↓								.1						.1
52. -								.0						.0
50. -														.1
48. -								.1	.1					.2
46. -					.1	.1	.2	.2	.1	.1				.6
44. -				.1	.9	.5	.7	.4	.4	.2				3.1
42. -			.1	1.8	3.3	3.2	1.1	1.3	.2					10.8
40. -			1.1	5.0	5.7	5.3	1.5	.2	.1					26.9
38. -		.3	6.0	13.7	9.5	2.5	.3	.1						32.5
36. -		1.1	9.5	6.4	1.4	.2								19.0
34. -		1.4	3.4	1.3										6.0
32. -		.2	.2	.2										.6
30. ↓	3.0	20.7	32.5	24.9	11.8	3.7	2.2	.8	.0	.4	.0	.0	.0	.1

SUMMARY STATISTICS

	MEAN	ST DEV	-P-	-N-
HIF CIRCUMFERENCE	27.61	2.51	.709	1331
WAIST CIRCUMFERENCE	27.96	2.72		

BEST AVAILABLE COPY



BEST AVAILABLE COPY

TABLE 4C  
 WAIST CIRCUMFERENCE AND SHOULDER LENGTH

	WAIST CIRCUMFERENCE													
	22.	24.	26.	28.	30.	32.	34.	36.	38.	40.	42.	44.	46.	48.
7.2	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
7.1	-	.1	.2	.2	.2	.2	.1	.1	.1	.1	.2	.1	.1	.1
7.0	-	.3	.5	.6	.6	.2	.1	.1	.1	.1	.1	.1	.1	.8
6.3	-	.6	1.5	1.7	.9	.1	.2	.1	.1	.2	.2	.1	.1	1.8
6.2	-	.3	1.5	3.3	1.4	.3	.3	.0	.0	.0	.0	.0	.0	5.3
6.1	-	.6	4.4	5.9	5.2	2.8	.9	.4	.4	.4	.4	.4	.4	11.4
6.0	-	.5	5.5	8.4	5.8	2.8	1.0	.7	.1	.1	.1	.1	.1	20.4
5.3	-	.7	3.4	6.8	5.1	2.4	.8	.6	.1	.1	.2	.1	.1	24.3
5.2	-	.4	2.8	3.4	2.3	1.0	.5	.1	.0	.0	.0	.0	.0	20.0
5.1	-	.2	1.0	1.3	.6	.2	.2	.2	.1	.1	.1	.1	.1	10.4
5.0	-	.4	.6	.6	.1	.1	.1	.1	.1	.1	.1	.1	.1	4.0
4.3	-	.1	.2	.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.2
4.2	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	.3
	3.0	20.7	32.5	24.9	11.8	3.7	2.2	.8	.4	.0	.4	.0	.0	.1
	100.0													

SUMMARY STATISTICS

	MEAN	ST. DEV.	-R-	-N-
SHOULDER LENGTH	5.91	.42	.082	1331
WAIST CIRCUMFERENCE	27.96	2.72		

TABLE 47  
 WAIST CIRCUMFERENCE AND CROTCH LENGTH

	22. †	24. †	26. †	28. †	30. †	32. †	34. †	36. †	38. †	40. †	42. †	44. †	46. †	48. †	
39. -															.1
38. -															.0
37. -															.0
36. -															.0
35. -															.0
34. -				.1	.2	.1			.1					.1	.5
33. -				.2	.5	.1	.3	.1	.1	.2					1.7
32. -			.3	.8	1.2	.4	.2	.7	.1						3.2
31. -			.7	2.4	1.9	1.4	.5	.2		.2					7.2
30. -		.1	1.1	5.2	5.7	2.8	.6	.6	.2						15.8
29. -		.2	3.3	7.3	4.6	1.7	.6	.2	.2						18.2
28. -		.6	4.5	5.3	4.6	2.1	.6	.2		.1					18.4
27. -		.7	4.6	5.6	2.9	1.4	.2	.1	.1						15.8
26. -		.5	3.2	3.5	2.5	.8		.1							10.7
25. -		.6	1.4	.7	.5	.5	.2	.2							4.1
24. -		.2	.6	.7	.7	.2	.2								2.6
23. -		.1	.2	.2	.2	.1	.1								.8
22. -			.1	.1	.2	.2	.1	.1							.8
21. -			.2	.2	.1		.1								.3
20. †	3.0	20.7	32.5	24.9	11.8	3.7	2.2	.8	.8	.4	.4	.0	.0	.1	103.0

SUMMARY STATISTICS

	MEAN	ST. DV.	-R-	-N-
CROTCH LENGTH	28.71	2.15	.269	1331
WAIST CIRCUMFERENCE	27.99	2.72		

TABLE 46  
UPPER THIGH CIRCUMFERENCE AND KNEE CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.
18.0 +																	
17.5 -																	
17.0 -																	
16.5 -																	
16.0 -																	
15.5 -																	
15.0 -																	
14.5 -																	
14.0 -																	
13.5 -																	
13.0 -																	
12.5 -																	
12.0 -																	
11.5 -																	
11.0 +																	

SUMMARY STATISTICS

	MEAN	ST	DV	-R-	-N-
KNEE CIRCUMFERENCE	13.71		.89	.740	1331
UPPER THIGH CIRCUMFERENCE	22.41		1.81		

TABLE 49

KNEE CIRCUMFERENCE AND ANKLE CIRCUMFERENCE

KNEE CIRCUMFERENCE

10.0	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	
9.3																.1
9.2																.4
9.1																1.3
9.0																2.9
8.3																8.1
8.2																11.6
8.1																18.0
8.0																19.2
7.3																19.0
7.2																10.8
7.1																5.6
7.0																2.5
6.3																.5
6.2																.2
	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	.1	1.7	5.8	14.0	19.5	23.1	17.2	10.5	4.2	1.6	.8	.5	.0	.0	.1	100.0

SUMMARY STATISTICS

ANKLE CIRCUMFERENCE	MEAN	ST DV	-R-	-N-
KNEE CIRCUMFERENCE	5.16	.49	.603	1331
	12.71	.89		

BEST AVAILABLE COPY

TABLE 50  
SHOULDER LENGTH AND INTERSCYE BACK

	4.2	4.3	5.0	5.1	5.2	5.3	6.0	6.1	6.2	6.3	7.0	7.1	7.2
15.0	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
18.5	-	-	-	-	-	-	-	-	-	-	-	-	-
18.0	-	-	-	-	-	-	-	-	-	-	-	-	-
17.5	-	-	-	-	-	-	-	-	-	-	-	-	-
17.0	-	-	-	-	-	-	-	-	-	-	-	-	-
16.5	-	-	-	-	-	-	-	-	-	-	-	-	-
16.0	-	-	-	-	-	-	-	-	-	-	-	-	-
15.5	-	-	-	-	-	-	-	-	-	-	-	-	-
15.0	-	-	-	-	-	-	-	-	-	-	-	-	-
14.5	-	-	-	-	-	-	-	-	-	-	-	-	-
14.0	-	-	-	-	-	-	-	-	-	-	-	-	-
13.5	-	-	-	-	-	-	-	-	-	-	-	-	-
13.0	-	-	-	-	-	-	-	-	-	-	-	-	-
12.5	-	-	-	-	-	-	-	-	-	-	-	-	-
12.0	-	-	-	-	-	-	-	-	-	-	-	-	-
11.5	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑

SUMMARY STATISTICS

INTERSCYE BACK      MEAN    ST    DV      -R-      -N-  
 SHOULDER LENGTH    14.60    .93    .478    1331  
                                  5.91    .42

TABLE F1

SHOULDER LENGTH AND INTERSCYE FRONT

SHOULDER LENGTH

	4.2	4.3	5.0	5.1	5.2	5.3	6.0	6.1	6.2	6.7	7.0	7.1	7.2
16.0 +													.1
15.3 -								.0	.1	.1			.0
15.2 -											.0		.2
15.1 -													.1
15.0 -												.1	.8
14.3 -						.1	.2	.2	.3	.3	.2	.2	.0
14.2 -					.1	.2	.3	.4	.7	.3	.2	.1	2.2
14.1 -				.1	.2	.7	.6	1.0	1.0	.5	.5		4.0
14.0 -			.1	.1	.8	1.4	2.1	1.4	1.0	1.0	.2	.7	7.4
13.3 -			.1	.5	1.4	1.9	2.3	1.9	.8	.8	.2		8.9
13.2 -			.1	.8	2.2	2.9	2.8	1.4	.8	.2			11.2
13.1 -			.1	.4	1.0	2.8	3.6	2.7	.8	.2	.1		16.2
13.0 -		.1	.2	1.2	3.1	4.7	7.6	1.5	.4	.0			14.7
12.7 -	.1	.2	1.0	2.2	3.5	2.9	2.1	.5	.3	.0			12.7
12.2 -	.0	.2	.6	1.2	2.2	2.3	1.3	.3					8.1
12.1 -	.1	.3	.7	1.4	1.8	1.1	.5	.1					6.1
12.0 -	.0	.1	.4	1.0	.8	.7	.2						7.3
11.3 -		.1	.1	.7	.8	.2	.0						1.9
11.2 -	.1		.1	.1	.1	.1	.0						.4
11.1 -	.0	.0	.0	.1	.1	.1							.2
11.0 +	.7	1.2	4.0	10.4	20.3	24.3	27.4	11.4	5.3	1.8	.8	.1	100.0

SUMMARY STATISTICS

INTERSCYE FRONT	MEAN	ST	DV	-P-	-N-
SHOULDER LENGTH	13.06	.49	.529	1331	
	5.91	.42			

BEST AVAILABLE COPY

BEST AVAILABLE COPY

TABLE 52

SHOULDER LENGTH AND SLEEVE OUTSEAM

SHOULDER LENGTH

	4.2	4.3	5.0	5.1	5.2	5.3	6.0	6.1	6.2	6.3	7.0	7.1	7.2
25.0 -	.2	.3	.0	.1	.2	.3	.0	.1	.2	.3	.0	.1	.2
24.5 -				.1	.2	.1	.1	.2	.1	.1	.1	.1	.1
24.0 -				.1	.5	.4	.5	.7	.2	.2	.2	.2	.5
23.5 -				.1	.2	.6	.8	.9	.3	.3	.3	.0	.0
23.0 -				.2	.5	.8	1.7	1.6	.7	.4	.4	.1	.1
22.5 -				.1	.7	1.7	2.5	2.0	1.0	.3	.2	.0	.0
22.0 -				.4	.9	2.4	3.3	3.1	.8	.2	.1	.0	.0
21.5 -		.2	.1	.6	1.4	3.3	4.7	3.6	2.1	1.1	.2	.0	.0
21.0 -		.1	.2	.6	2.3	3.0	3.3	3.4	1.4	.5	.2	.1	.0
20.5 -		.2	.2	.8	1.5	3.7	4.4	2.4	1.5	.4	.2	.2	.0
20.0 -		.1	.2	.4	1.6	2.6	2.0	1.3	.5	.2	.1	.1	.0
19.5 -		.0	.4	.4	.6	.9	.7	.5	.2	.1			.0
19.0 -				.3	.2	.3	.3	.3	.1				.0
18.5 -				.2	.2	.0	.2	.1					.0
18.0 -													.0
17.5 -													.0
17.0 +	.7	1.2	4.0	10.4	20.0	24.0	24.3	26.4	11.4	5.3	1.6	.8	.1

SUMMARY STATISTICS

SLEEVE OUTSEAM	MEAN	ST	DV	-R-	-N-
SHOULDER LENGTH	21.18	1.17	.292	1331	
	5.91	.42			

TABLE 53

INTERSCYE BACK AND INTERSCYE FRONT

INTERSCYE BACK

	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0
18.0																
15.0																
15.2																
15.1																
15.0																
14.3																
14.2																
14.1																
14.0																
13.3																
13.2																
13.1																
13.0																
12.3																
12.2																
12.1																
12.0																
11.3																
11.2																
11.1																
11.0																

SUMMARY STATISTICS

	MEAN	ST	CV	FR-	NR-
INTERSCYE FRONT	13.00	.69	.386	1331	
INTERSCYE BACK	14.90	.93			

83  
BEST AVAILABLE COPY



BEST AVAILABLE COPY

TABLE 54

INTERSCYE BACK AND WAIST BACK

INTERSCYE BACK

20.5	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	.1
20.0								.2	.1					.0	.1	.0	.2
19.5				.1			.2	.2	.3	.2	.0	.1	.0	.1	.0	.1	.3
19.0					.1	.3	.2	.5	.6	.4	.4	.1	.0	.1	.0	.1	1.0
18.5					.3	.5	.5	1.2	.7	1.0	.7	.2	.1	.1	.0	.1	2.6
18.0			.1	.3	.7	.8	.8	1.5	1.5	1.2	1.3	.2	.1	.2	.1	.2	5.2
17.5		.2	.6	.9	3.1	3.2	3.2	3.2	3.1	1.3	.9	.2	.1	.2	.1	.1	7.8
17.0		.7	1.9	3.1	3.9	3.7	2.5	1.3	.4	.2	.2	.2	.2	.2	.2	.2	17.0
16.5	.0	.6	1.5	3.2	3.9	4.2	2.3	1.0	.2	.2	.2	.2	.2	.2	.2	.2	17.6
16.0	.1	.4	.4	.5	1.3	3.3	3.1	3.7	1.7	1.0	.2	.1	.1	.1	.1	.1	15.0
15.5	.2	.4	.4	.8	1.1	2.2	2.2	1.7	.3	.2	.2	.2	.2	.2	.2	.2	10.0
15.0	.0	.3	.8	.7	1.2	.8	.5	.2	.3	.3	.2	.2	.2	.2	.2	.2	4.0
14.5	.0	.1	.2	.1	.4	.2	.3	.1									1.1
14.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.1
13.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
13.0	.0	.5	1.7	4.1	9.5	18.0	21.0	19.7	13.9	7.7	2.5	1.0	.4	.0	.1	100.0	

SUMMARY STATISTICS

WAIST BACK	MEAN	ST. DEV.	-R-	-N-
INTERSCYE BACK	16.58	1.04	.227	1331
	14.90	.93		

TABLE 55

INTERSCYE FRONT AND WAIST FRONT

INTERSCYE FRONT

19.0	11.1	11.2	11.5	12.0	12.1	12.2	12.3	13.0	12.1	13.2	13.7	14.0	14.1	14.2	14.3	14.0	15.1	15.2	15.3	16.0	.1
18.5						.1	.1	.2				.2									.3
18.0						.2	.1	.1				.1			.2						.6
17.5						.0	.2	.1	.2	.2	.1										.8
17.0						.2	.1	.4	.3	.4	.2	.1	.1	.1	.1						1.9
16.5	.0	.0	.0	.0	.6	.5	.4	.7	.7	.2	.8	.3	.1	.1	.0						4.0
16.0	.1		.3	.0	.2	.4	1.0	.9	.7	.6	.5	.6	.3	.3	.0	.3	.1				6.2
15.5		.2	.2	.5	.9	2.8	3.2	3.0	1.7	1.5	.7	.2	.2	.2	.0	.0	.1				14.3
15.0		.3	.4	.8	1.2	1.5	2.7	1.8	2.5	1.4	.9	.7	.4	.3							17.0
14.5		.2	1.1	2.0	1.9	2.6	2.8	2.3	1.3	1.3	.6	.2	.4	.1							20.6
14.0		.2	.6	.4	.9	1.6	2.9	2.4	1.5	1.3	.7	.5	.2	.2							16.0
13.5	.1	.1	.4	.8	1.4	1.5	2.5	1.9	1.4	1.1	.5	.5	.1	.2			.1				12.5
13.0		.2	.2	.3	.5	.7	.6	.7	.7	.2	.1	.2	.1	.1							4.5
12.5	.1	.1	.0	.2	.1	.1	.1	.2	.1	.1	.0	.0	.0	.0							.8
12.0		.0	.1	.1	.1	.1	.1	.1	.1	.1	.2	.2	.1	.1							.3
11.5	.2	.4	1.5	3.5	6.1	8.1	12.7	14.7	16.2	11.2	8.9	7.6	4.0	2.2	1.4	.8	.1	.2	.0	.1	100.0

SUMMARY STATISTICS

MEAN	ST. DEV.	N
14.58	1.03	262
17.16	.89	131

WAIST FRONT  
INTERSCYE FRONT

TABLE 56

WAIST BACK AND WAIST FRONT

WAIST BACK

	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5
19.0																
18.5																
18.0																
17.5																
17.0																
16.5																
16.0																
15.5																
15.0																
14.5																
14.0																
13.5																
13.0																
12.5																
12.0																
11.5																

SUMMARY STATISTICS

WAIST FRONT	MEAN	ST DEV	-R-	-N-
WAIST BACK	14.48	1.03	.602	1331
	16.28	1.04		

TABLE 57

WAIST BACK AND NECK TO BUSTPOINT

WAIST BACK

13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5
13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0
.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9	.9
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

SUMMARY STATISTICS

NECK TO BUSTPOINT	MEAN	ST	LV	-R-	-N-
WAIST BACK	6.95	.82	.82	.159	1331
	16.58	1.04			

TABLE 58

WAIST PACK AND AXILLA TO WAIST

WAIST BACK

	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5								
14.0	↑															.1								
13.5	-															.0								
13.0	-										.1					.4								
12.5	-												.1			.7								
12.0	-					.2	.2	.2	.2	.2	.4	.4	.2	.2	.1	1.2								
11.5	-				.1	.4	.2	.4	.3	.1	.3	.1				1.4								
11.0	-			.1	.7	.9	1.0	.8	.5	.1	.2					4.3								
10.5	-		.1	.1	.3	.5	1.2	2.4	2.3	1.1	.3	.2				8.5								
10.0	-		.0	.6	1.0	2.6	3.4	4.1	1.0	1.2	.4	.2				14.5								
9.5	-		.5	1.1	1.9	3.9	4.8	4.6	1.7	.8	.1	.1				19.5								
9.0	-	.1	.2	.6	2.8	3.7	4.4	4.0	2.9	1.2	.6	.1	.0			20.7								
8.5	-	.3	1.2	2.5	4.2	4.0	2.9	1.4	.3	.1						16.9								
8.0	-	.1	.2	1.2	1.8	2.8	1.7	.4	.2							8.3								
7.5	-	.1	.4	.4	.9	.8	.3	.1								2.9								
7.0	-	.0	.1	.1	.2	.2	.1									.6								
6.5	-															.1								
6.0	↓	.2	1.1	4.0	1.0	15.0	↑	17.6	↑	17.6	↑	17.0	↑	7.8	↑	5.2	↑	2.6	↑	.2	↑	.1	↑	100.0

SUMMARY STATISTICS

	MEAN	ST DEV	-S-	-N-
AXILLA TO WAIST	9.09	.89	.659	1731
WAIST PACK	16.08	1.04		

TABLE 59

WAIST BACK AND SLEEVE INSEAM

WAIST BACK

	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	19.0	19.5	20.0	20.5
21.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
20.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
20.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
19.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
19.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
18.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
18.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
16.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
16.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
15.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
15.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
14.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
14.0 +	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1

SUMMARY STATISTICS

	MEAN	ST DEV	-S-	-N-
SLEEVE INSEAM	17.74	1.03	.296	1331
WAIST BACK	16.18	1.04		

TABLE 60

WAIST BACK AND SLEEVE OUTSEAM

WAIST BACK

25.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	.2
	.1								.1								.1
25.0									.1								.1
24.5									.2	.1	.1	.1	.0				.5
24.0					.1	.2	.3	.5	.2	.2	.2	.1	.1	.1	.1	.1	2.0
23.5				.1	.0	.3	.8	.3	1.2	.5	.5	.2	.1	.1	.1	.1	4.0
23.0			.3	.5	1.0	.5	1.2	1.2	1.4	.8	.1	.2	.2	.2	.2	.2	7.2
22.5		.1	.2	.4	1.1	2.4	1.7	2.2	1.0	.6	.6	.3	.3	.2	.2	.2	10.8
22.0		.1	.2	.9	1.7	2.3	2.0	2.5	1.4	.5	.8	.6	.3	.2	.2	.2	12.5
21.5		.2	.1	.9	1.4	2.2	2.9	3.9	3.0	1.2	1.0	.4	.1	.1	.1	.1	17.3
21.0		.4	.4	1.9	2.4	3.1	2.8	2.2	.8	.7	.2	.2	.1	.1	.1	.1	15.0
20.5		.2	.8	1.5	2.9	3.1	3.1	2.1	.7	.7	.2	.2	.2	.1	.1	.1	15.3
20.0		.1	.9	2.0	1.3	1.3	1.3	1.6	.2	.2	.1	.1	.1	.1	.1	.1	8.9
19.5		.1	.1	.6	1.3	.7	.7	.3	.1	.1	.1	.1	.1	.1	.1	.1	3.8
19.0		.1	.1	.6	.3	.2	.2	.1	.1	.1	.0	.0	.0	.0	.0	.0	1.5
18.5		.2	.1	.2	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.7
18.0				.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17.5				.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17.0	.2	1.1	4.0	10.0	15.0	17.6	17.8	17.0	7.8	5.2	2.6	1.0	.3	.2	.1	.1	100.0

SUMMARY STATISTICS

SLEEVE OUTSEAM	MEAN	ST DEV	-R-	-N-
WAIST BACK	21.18	1.17	.313	1331
	16.08	1.04		

TABLE 61

WAIST BACK AND CATCH LENGTH

WAIST BACK

	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	
39.				.1	.1	.1											.1	
38.				.1	.2	.2	.3	.3	.2								.0	
37.				.1	.2	.5	.5	.4	.7	.4	.3	.0					.0	
36.				.1	.2	.5	1.3	1.6	1.2	1.2	.7	.4	.1	.2	.1		.0	
35.				.1	.5	1.2	2.7	2.7	2.9	3.0	1.1	1.1	.2	.2	.1		.5	
34.				.1	.2	.5	1.8	2.7	3.3	2.6	1.5	.9	.7	.2			1.3	
33.				.1	.1	.2	.7	2.3	3.1	3.5	2.7	1.9	1.1	.5	.0		3.2	
32.				.1	.1	.2	.5	1.3	1.6	1.2	.7	.4	.1	.2	.1		7.2	
31.				.1	.5	1.2	2.7	2.7	2.9	3.0	1.1	1.1	.2	.2	.1		15.8	
30.				.1	.7	1.8	2.7	3.3	2.6	3.6	1.5	.9	.7	.2			18.2	
29.				.3	.7	2.3	3.2	3.1	3.5	2.7	1.9	1.1	.5	.0			18.4	
28.				.1	.2	.5	2.0	2.4	3.0	3.5	2.1	1.2	.5	.2	.1		15.8	
27.				.1	.3	.4	.9	1.0	1.8	2.0	1.9	.8	.3	.7	.1		15.7	
26.				.2	.2	.6	.7	.6	.9	.9	.4	.3	.2	.4	.0	.1	4.1	
25.				.2	.3	.2	.2	.6	.1	.5	.1	.2	.7	.0	.0		2.6	
24.				.0	.0	.0	.0	.0	.2	.1	.1	.1	.0	.1	.0		.8	
23.				.1	.1	.1	.1	.2	.2	.1	.1	.1	.1	.1	.1	.1	.8	
22.				.2	.2	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.3	
21.				.2	.2	.2	.2	.2	.2	.2	.2	.1	.1	.1	.1	.1	.7	
20.	.2	1.1	4.0	10.0	15.0	17.6	17.6	17.0	17.0	17.0	7.8	5.2	2.8	1.0	.7	.2	.1	100.0

SUMMARY STATISTICS

	MEAN	ST. DEV.	-2S	-1S
CATCH LENGTH	28.71	2.15	-0.36	1351
WAIST BACK	16.18	1.94		



TABLE 62

WAIST FRONT AND AXILLA TC WAIST

WAIST FRCNT

	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	
14.0	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	.1
13.5	-	-	-	-	-	-	-	-	-	.1	-	.1	.1	.2	.2	.4	.0
13.0	-	-	-	-	-	-	-	-	-	-	.1	.2	.1	.2	.2	.4	.7
12.5	-	-	-	-	-	-	-	.1	.1	.3	.4	.3	.4	.2	.2	.2	1.2
12.0	-	-	-	-	-	-	.1	.3	.3	.4	.4	.2	.2	.2	.2	.2	1.4
11.5	-	-	-	-	-	.1	.5	1.1	1.1	.9	.9	.3	.2	.2	.2	.2	4.3
11.0	-	-	-	-	.2	.5	.9	1.6	2.5	1.4	1.1	.3	.3	.2	.2	.2	8.5
10.5	-	-	-	.1	.7	1.3	3.1	3.1	3.4	1.4	.9	.4	.4	.4	.4	.4	14.5
10.0	-	-	.3	1.4	2.3	5.9	4.6	3.6	1.9	.2	.2	.1	.1	.1	.1	.1	19.5
9.5	-	.1	.2	.5	2.7	4.8	4.8	4.3	2.0	.7	.2	.2	.2	.2	.2	.2	20.7
9.0	-	.1	.2	.8	3.8	5.0	3.8	1.9	1.2	.1	.2	.2	.2	.2	.2	.2	16.9
8.5	-	.1	.2	1.4	2.7	1.6	1.6	.7	.1	.1	.1	.1	.1	.1	.1	.1	8.3
8.0	-	.2	.6	1.0	.5	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	2.9
7.5	-	.0	.1	.3	.0	.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.6
7.0	-	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
6.5	-	.3	.8	4.5	12.5	16.0	23.6	17.0	14.3	6.2	4.0	1.9	.8	.6	.3	.1	100.0

SUMMARY STATISTICS

AXILLA TC WAIST	MEAN	ST	DV	-R-	-N-
WAIST FFCNT	9.29	.89	.700	1331	
	14.46	1.03			

TABLE 62

WAIST FRONT AND SLEEVE INSEAM

WAIST FRONT

	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	
21.0 -						.1	.1										.2
20.5 -					.0	.1	.1	.2	.1								.5
20.0 -		.1	.2	.2	.1	.1	.3	.2	.1	.1	.0	.1	.1				1.2
19.5 -		.3	.4	.4	.6	.6	.5	.2	.1	.1	.1	.1					2.7
19.0 -		.2	.4	.7	1.0	1.3	1.4	.3	.6	.3	.1	.1	.2				7.1
18.5 -		.4	1.2	1.6	2.1	2.4	1.7	.9	.5	.7	.1	.1	.1				11.2
18.0 -	.1	.1	.8	2.2	2.5	2.4	3.2	1.6	1.1	.7	.2	.1	.1	.1			15.3
17.5 -	.1	.2	.5	1.6	2.5	4.5	2.8	3.3	1.5	.8	.6	.2	.2	.1	.1		19.4
17.0 -	.1	.2	.5	2.6	3.1	4.1	3.5	1.8	1.1	.6	.2	.1	.1				18.2
16.5 -		.2	.5	2.1	2.2	2.7	1.8	2.0	.3	.6	.2	.2	.2				13.2
16.0 -		.0	.5	1.3	1.5	1.6	.7	1.1	.4	.2	.1	.1	.1				7.4
15.5 -	.0	.1	.2	.6	.5	.7	.2	.3	.2								2.8
15.0 -			.1	.2	.0	.0		.1									.4
14.5 -				.2		.1	.1	.1									.3
14.0 +	.3	.8	4.0	12.5	16.0	20.6	17.0	14.3	6.2	4.0	1.9	.8	.6	.3	.1	.1	100.0

SUMMARY STATISTICS

	MEAN	ST DEV	-R-	-N-
SLEEVE INSEAM	17.74	1.03	.155	1331
WAIST FRONT	14.46	1.03		

BEST AVAILABLE COPY

TABLE 64

WAIST FRONT AND SLEEVE OUTSEAM

WAIST FRONT

	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	
25.5							.1	.1									.2
25.0							.0	.1									.1
24.5									.2								.5
24.0			.1	.0	.3	.6	.7	.3	.2	.2	.1	.0	.2	.1			2.0
23.5			.1	.2	.4	.6	.6	1.1	.4	.2	.1	.2					4.0
23.0			.3	.4	1.1	1.2	2.0	1.4	.5	.2	.2						7.2
22.5			.5	1.2	1.2	2.1	2.0	1.5	.8	.8	.4	.0	.2	.1			10.8
22.0		.1	.2	1.3	1.8	2.3	2.4	1.8	.9	.6	.5	.1	.1	.1			12.5
21.5			.1	.5	2.0	2.5	4.3	3.0	2.4	1.2	.7	.2	.3	.1	.1		17.3
21.0			.2	.5	2.1	2.7	3.0	2.9	2.0	.8	.7	.1	.1				15.0
20.5			.0	.2	1.0	1.9	2.6	3.6	2.1	.9	.5	.2	.2	.1			15.3
20.0			.2	.5	2.1	1.7	1.7	1.2	.7	.1	.1	.2	.1	.1			8.9
19.5			.1	.9	.7	.8	.4	.6	.2	.1							3.8
19.0			.0	.2	.3	.5	.2	.1	.2	.1							1.5
18.5			.1	.2	.3	.1	.0		.0								.7
18.0					.1				.1								.1
17.5		.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17.0	.3	.8	.8	4.5	12.5	16.0	20.6	17.0	14.3	6.2	4.0	1.9	.8	.6	.3	.1	100.0

SUMMARY STATISTICS

SLEEVE OUTSEAM	MEAN	ST	DV	-R-	-N-
WAIST FRONT	21.18	1.17	.213	1331	
	14.46	1.03			

TABLE 65

SLEEVE INSEAM AND SLEEVE OUTSEAM

SLEEVE INSEAM

	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.5	18.0	18.5	19.0	19.5	20.0	20.5	21.0	21.5
25.5	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
25.0																
24.5																
24.0																
23.5																
23.0																
22.5																
22.0																
21.5																
21.0																
20.5																
20.0																
19.5																
19.0																
18.5																
18.0																
17.5																
17.0																

SUMMARY STATISTICS

	MEAN	ST	CV	-R-	-N-
SLEEVE OUTSEAM	21.18	1.17	.096	1331	
SLEEVE INSEAM	17.74	1.03			

TABLE 6F  
HEAD CIRCUMFERENCE AND HEAD BREADTH

		HEAD CIRCUMFERENCE																			
		19.2	19.3	20.0	20.1	20.2	20.3	21.0	21.1	21.2	21.3	22.0	22.1	22.2	22.3	23.0	23.1	23.2	23.3	24.0	24.1
5.7	+	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
5.4	-																				
5.3	-																				
5.2	-																				
5.1	-																				
5.0	-																				
5.7	-																				
5.6	-																				
5.5	-																				
5.4	-																				
5.3	-																				
5.2	-																				
5.1	-																				
5.0	+	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1

SUMMARY STATISTICS

HEAD BREADTH	MEAN	ST. DEV.	-P-	-N-
HEAD CIRCUMFERENCE	1.75	.21	.54	1331
	21.62	.24		

TABLE 67

HEAD CIRCUMFERENCE AND HEAD LENGTH

HEAD CIRCUMFERENCE

15.2	15.3	16.0	20.1	20.2	20.3	21.0	21.1	21.2	21.3	22.0	22.1	22.2	22.3	23.0	23.1	23.2	23.3	24.0	24.1	24.2	24.3
3.0	3.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

SUMMARY STATISTICS

HEAD LENGTH  
 HEAD CIRCUMFERENCE  
 PLAN ST CV  
 7.27 .24 .702 1271  
 21.02 .64

7 BEST AVAILABLE COPY

BEST AVAILABLE COPY

TABLE 6F  
HEAD BREADTH AND HEAD LENGTH

HEAD BREADTH

	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	6.0	6.1	6.2	6.3	6.4	6.5
8.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
8.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
8.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
7.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
7.6	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
7.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
7.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
7.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
7.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
7.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
7.0	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
6.7	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
6.6	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
6.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
6.4	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
6.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
6.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1

SUMMARY STATISTICS

HEAD LENGTH	MEAN	ST DEV	-P-	-N-
HEAD BREADTH	7.77	.26	.162	1331
	5.75	.21		

TABLE 69  
FANAL LENGTH AND FALM LENGTH

HANC LENGTH

	5.7	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	8.0	8.1
4.6	5.7	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	8.0	8.1
4.4																			
4.3																			
4.2																			
4.1																			
4.0																			
3.7																			
3.6																			
3.5																			
3.4																			
3.3																			
3.2																			
3.1																			

SUMMARY STATISTICS

FALM LENGTH	HANC LENGTH	MEAN	ST. DEV.	N
		3.69	.21	1331
		4.07	.33	1331



BEST AVAILABLE COPY

TABLE 71  
HAND LENGTH AND HAND BREADTH

	5.6	5.7	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.1
3.5	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
3.4	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
3.3	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
3.2	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
3.1	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
3.0	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
2.9	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
2.8	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
2.7	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
2.6	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
2.5	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
2.4	.1	.2	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1

SUMMARY STATISTICS

	MEAN	ST. DEV.	NO.
HAND BREADTH	6.67	1.15	1331
HAND LENGTH	7.15	1.02	1331

TABLE 71

HAND LENGTH AND HAND CIRCUMFERENCE

HAND LENGTH

	5.7	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	8.0	8.1
5.6	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
5.7	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
6.0	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
6.1	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
6.2	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
6.3	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
6.4	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
6.5	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
6.6	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
6.7	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
6.8	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
6.9	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
7.0	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
7.1	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
7.2	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
7.3	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
7.4	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
7.5	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
7.6	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
7.7	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
7.8	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
7.9	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
8.0	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
8.1	.1	.3	.4	.5	.6	.7	.8	.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0

SUMMARY STATISTICS

HAND CIRCUMFERENCE	PLAN	ST	CV	-SD	-M-
HAND LENGTH	7.26	.34	.592	1.331	

TABLE 7c

FOOT LENGTH AND INSTEP LENGTH

FOOT LENGTH

	8.4	8.1	8.2	8.3	5.0	9.1	9.2	9.3	10.0	10.1	10.2	10.3	11.0	11.1	11.2	11.3	12.0	
8.4	+																	.1
8.3	-																	.1
8.2	-																	.4
8.1	-																	.4
8.0	-																	1.3
7.7	-								.2	.2	.5	.4	.0					1.6
7.6	-								.7	.5	.5	.2	.0					2.2
7.5	-								.1	.7	1.1	.3	.0					6.5
7.4	-								.1	1.1	2.4	2.5	.4					5.0
7.3	-								.1	.1	1.5	.7	.1					9.7
7.2	-								.2	1.8	4.3	3.1	.3					11.8
7.1	-								.2	.9	4.7	4.9	.2					12.7
7.0	-								.1	.5	3.7	5.8	2.3	.3	.0			14.2
6.7	-								.2	1.9	6.0	5.1	1.1					9.3
6.6	-								.1	.1	2.9	5.1	1.1	.0				5.8
6.5	-								.1	1.2	4.7	3.4	.4					7.0
6.4	-								.1	.3	2.6	3.5	.5					3.9
6.3	-								.0	.0	.5	2.3	1.0	.1				2.6
6.2	-								.1	.2	1.2	1.5	.1					.8
6.1	-								.2	.5	.1							.6
6.0	-								.3	.3	.0							.1
5.7	+	.1	+	.9	3.0	7.6	14.9	19.9	19.2	15.2	10.0	5.6	2.0	1.1	.2	.0	.1	.6
		.1																10.0

SUMMARY STATISTICS

	MEAN	ST DEV	-P-	-N-
INSTEP LENGTH	7.97	.79	.926	1371
FOOT LENGTH	9.57	.49		



TABLE 74  
FOOT LENGTH AND FOOT BREADTH

FOOT LENGTH

4.3+	8.1	8.2	8.3	9.0	9.1	9.2	9.3	10.0	10.1	10.2	10.3	11.0	11.1	11.2	11.3	12.0	.0
4.2-										.1	.0	.1	.1				.3
4.1-					.1	.0	.1	.2	.2	.2	.1	.1	.1				.8
4.0-				.0	.0	.0	.2	.3	.0	.4	.2	.0	.0	.1	.0		.8
3.7-			.1	.0	.4	.8	.7	1.5	1.6	.9	.4	.2	.0	.1	.0		1.8
3.6-				.4	1.1	2.1	3.6	3.8	2.4	1.5	.5	.5	.1				6.5
3.5-			.4	.8	2.4	4.9	4.3	3.9	2.7	1.6	.3	.2					16.1
3.4-		.0	.3	.5	1.7	3.9	4.7	3.2	2.1	.6	.1	.0					21.3
3.3-		.1	.1	1.1	1.8	4.5	4.9	2.1	.7	.2	.2						22.8
3.2-		.2	.0	1.9	1.8	.6	.3	.1	.1	.1							19.7
3.1-		.1	.1	.6	.7	.6	.1	.1									7.7
3.0-		.1	.1	.3	.0	.1											2.3
2.7+	.1	.9	3.0	7.6	14.9	19.9	19.2	15.2	10.4	5.6	2.0	1.1	.2	.0	.1	.0	100.0

SUMMARY STATISTICS

FOOT BREADTH	MEAN	ST	DV	-R-	-N-
FOOT LENGTH	3.49	.20	.532	1331	
	9.57	.49			

TABLE  
FOOT LENGTH AND HEEL BREADTH

	8.0	8.1	8.2	8.3	9.0	9.1	9.2	9.3	10.0	10.1	10.2	10.3	11.0	11.1	11.2	11.3	12.0
2.2 +																	
3.0 -								.0	.1	.0	.1	.1					.0
2.7 -							.0	.3	.4	.4	.5	.2	.1				.2
2.6 -				.1	.1	.2	.5	1.0	1.0	1.6	1.1	.3	.5	.1	.1	.0	6.5
2.5 -				.0	.2	.3	1.9	3.0	3.3	3.1	1.7	.6	.2	.0			14.9
2.4 -							.1	1.2	4.0	5.8	6.9	5.3	3.2	1.8	.3	.1	28.9
2.3 -			.2	.5	2.8	5.5	7.3	5.5	3.7	1.9	.7	.2	.1				28.7
2.2 -	.0	.3	1.3	2.7	3.4	3.6	2.0	1.2	.5	.0							15.1
2.1 -	.0	.2	.1	.5	1.0	.6	.4	.3									3.1
2.0 -							.1	.1	.1	.0							.3
1.7 +	.1	.9	3.0	7.6	14.9	19.9	19.2	15.2	10.4	5.6	2.0	1.1	.2	.0	.1	.0	100.0

SUMMARY STATISTICS

HEEL BREADTH	MEAN	ST DEV	-P-	-N-
FOOT LENGTH	2.60	.16	.530	1331
	9.57	.49		

TABLE 76  
FOOT LENGTH AND FOOT CIRCUMFERENCE

	8.0	8.1	8.2	8.3	9.0	9.1	9.2	9.3	10.0	10.1	10.2	10.3	11.0	11.1	11.2	11.3	12.0
10.3	+	8.1	8.2	8.3	9.0	9.1	9.2	9.3	10.0	10.1	10.2	10.3	11.0	11.1	11.2	11.3	12.0
10.2	-								.2	.0			.1	.1			.1
10.1	-								.1	.3	.2		.1	.1			.4
10.0	-								.1	.5	.3	.2	.1	.1			1.1
9.3	-								.1	.7	.4	.1	.1				2.0
9.2	-								.1	1.0	1.3	.8	.4	.0			5.6
9.1	-								.1	1.7	2.4	3.0	2.3	1.9	.7	.2	.0
9.0	-								.1	3.3	4.6	4.0	2.1	1.0	.3	.1	.0
8.3	-								.1	3.5	5.1	5.3	3.5	2.2	.9	.1	.0
8.2	-								.1	4.2	5.2	2.9	1.7	1.1	.2	.1	.0
8.1	-								.1	3.6	2.6	2.1	1.1	.2			.1
8.0	-								.1	1.5	1.1	1.2	.5	.0	.0	.1	.1
7.3	-								.2	.4	.2	.3	.2	.0			.4
7.2	+								.0	.1	.0	.0	.0	.0			.2
		.1	.9	3.0	7.6	14.9	19.9	19.2	15.2	10.4	5.6	2.0	1.1	.2	.0	.1	.0

SUMMARY STATISTICS

	MEAN	ST DEV	-R-	-N-
FOOT CIRCUMFERENCE	8.93	.45	.592	1331
FOOT LENGTH	9.57	.49		

TABLE 77

FOOT LENGTH AND INSIDE CIRCUMFERENCE

FOOT LENGTH

11.0	0.0	0.1	3.2	6.3	9.0	9.1	9.2	9.3	10.0	10.1	10.2	10.3	11.0	11.1	11.2	11.3	12.0	
10.3							.2	.1	.2	.1	.2	.2	.2	.2	.0	.1	.3	.3
10.2							.2	.2	.8	.4	.4	.2	.3	.1				.9
10.1								.4	.7	1.0	.8	.4	.4	.0				2.1
10.0						.2	.9	1.7	1.9	2.1	1.5	.4	.2	.1				3.7
9.3					.1	.7	2.1	2.7	3.4	2.1	1.2	.4	.1					8.9
9.2					.1	.7	2.7	3.4	2.1	1.2	.4	.1						12.8
9.1					.2	.3	2.7	3.4	2.6	1.0	.1							18.8
9.0					.2	.6	1.4	3.6	5.7	4.7	2.8	.5	.1					20.7
8.3			.2	.7	1.7	3.2	4.3	2.4	1.7	.4	.1	.0	.0					14.6
8.2		.0	.2	.7	2.3	3.3	2.5	1.8	.5	.1								11.5
8.1		.0	.2	.2	1.4	1.2	.6	.3	.1									4.1
8.0			.0	.6	.3	.1	.2	.2										1.3
7.3	.1	.9	3.0	7.0	14.9	19.9	19.2	15.2	10.7	5.0	2.0	1.1	.2	.0	.1	.0	100.0	

SUMMARY STATISTICS

INSIDE CIRCUMFERENCE	MEAN	ST DEV	-R-	-N-
FOOT LENGTH	9.24	.50	.056	1331
	9.57	.49		



TABLE 78  
STATURE AND RUST CIRCUMFERENCE

	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.		
47.	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	
48.																				.1
49.																				.1
50.																				.2
51.																				.0
52.																				.4
53.																				.8
54.																				.8
55.																				2.4
56.																				4.9
57.																				6.8
58.																				11.6
59.																				16.2
60.																				14.5
61.																				14.6
62.																				13.1
63.																				6.1
64.																				4.1
65.																				.7
66.																				.2
67.	.1	.5	1.1	2.7	6.0	9.3	13.0	14.9	14.5	13.0	8.3	6.7	3.7	2.1	.6	.5	.1	.1	.1	55.8

PERCENT EXCLUDED .2

SUMMARY STATISTICS

MEAN	ST. DEV.	R-S	MIN.
24.73	2.93	.240	1.01
24.10	2.97		

TABLE 79

STATURE AND WAIST CIRCUMFERENCE

STATURE

42.	↑	57.	↑	58.	↑	59.	↑	60.	↑	61.	↑	62.	↑	63.	↑	64.	↑	65.	↑	66.	↑	67.	↑	68.	↑	69.	↑	70.	↑	71.	↑	72.	↑	73.	↑	.2
41.	-																																			.2
40.	-																																			.0
39.	-																																			.0
38.	-																																			.2
37.	-																	.1																	.6	
36.	-																	.1																	.7	
35.	-			.1														.1								.1		.2							1.5	
34.	-																	.4								.2									1.5	
33.	-						.2	.2	.4	.2								.2								.5									2.2	
32.	-					.2	.1	.2	.7	.3	.6	.5	.8	.4	.7			.2								.2									4.2	
31.	-		.2	.2	.4	.8	1.1	1.1	1.1	1.2	1.1	.5	.5	.4	.1			.5								.4	.1	.4							7.6	
30.	-		.1	.1	.3	.5	1.0	1.0	1.0	1.3	1.4	.8	1.2	.5	.6			.8								.5	.6	.1	.1						10.4	
29.	-		.1	.2	.4	1.1	1.4	2.2	2.4	2.4	2.5	1.5	1.1	.7	.3			1.5								.7	.3	.1							14.5	
28.	-		.1	.1	.5	1.3	1.2	2.2	2.8	2.2	2.0	1.4	.6	.7	.1			1.4								.7	.1	.3	.2						15.8	
27.	-		.2	.4	.6	1.0	2.3	3.0	2.5	2.0	1.2	1.2	.4	.5				1.2								.4	.5								16.7	
26.	-	.1	.4	.7	1.2	1.9	1.9	1.9	1.9	1.9	1.7	1.0	.6	.7	.2			1.0								.7	.2	.1							13.2	
25.	-		.1	.1	.5	.8	.9	1.0	.9	1.0	1.0	.6		.1	.2			.6								.1	.2								7.6	
24.	-		.7	.1	.5	.3	.3	.4	.3	.4	.3	.1	.2					.3								.1	.2								2.4	
23.	-		.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1					.1								.1	.1								.6	
22.	↑	.1	.5	1.4	2.7	5.0	8.0	17.3	14.3	14.5	13.9	11.5	8.5	6.7	3.6	2.1	.8	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	55.9

PERCENT EXCLUDED .1

SUMMARY STATISTICS

MEAN	ST. DEV.	TR.	T-N
67.98	2.72	.211	1331
68.18	2.67		
MEAN	ST. DEV.	TR.	T-N
67.98	2.72	.211	1331
68.18	2.67		

BEST AVAILABLE COPY

TABLE RC  
STATURE AND HIF CIRCUMFERENCE

	52.	53.	54.	55.	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.		
52.	.1																						.0	
51.																								.0
50.																								.0
49.																								.1
48.																								.1
47.																								.2
46.																								.2
45.																								.4
44.																								1.1
43.																								2.1
42.																								3.5
41.																								7.3
40.																								12.0
39.																								14.9
38.																								17.3
37.																								15.1
36.																								12.6
35.																								6.5
34.																								4.1
33.																								1.9
32.																								.5
31.																								.2
30.																								.1

SUMMARY STATISTICS  
 HIF CIRCUMFERENCE MEAN ST DEV -R- TN-  
 STATURE 67.16 2.51 6.15 1.31  
 PERCENT EXCLUDED .1

TABLE #1

WAIST HEIGHT AND WAIST CIRCUMFERENCE

WAIST HEIGHT

	32. +	34. +	35. +	36. +	37. +	38. +	39. +	40. +	41. +	42. +	43. +	44. +	45. +	46. +	47. +	48. +	
42. -							.1	.2									.2
41. -							.1	.1									.2
40. -																	.0
39. -																	.0
38. -																	.2
37. -																	.6
36. -																	.7
35. -																	1.5
34. -	.1																1.5
33. -																	2.2
32. -																	4.2
31. -																	7.6
30. -																	10.4
29. -																	14.5
28. -																	15.8
27. -																	16.7
26. -																	15.2
25. -																	7.6
24. -																	2.4
23. -																	.6
22. +	.2	.6	1.5	3.0	4.7	6.4	8.1	9.8	11.5	13.2	14.9	16.6	18.3	20.0	21.7	23.4	25.1

PERCENT EXCLUDED .1

SUMMARY STATISTICS

WAIST CIRCUMFERENCE MEAN 31.45 UNIT 1.00  
 WAIST HEIGHT MEAN 37.78 UNIT 1.00

BEST AVAILABLE COPY

BEST AVAILABLE COPY

TABLE 82  
 WAIST HEIGHT AND HIP CIRCUMFERENCE

	32. †	34. †	35. †	36. †	37. †	38. †	39. †	40. †	41. †	42. †	43. †	44. †	45. †	46. †	47. †	48. †	
52. †																	.0
51. -																	.0
50. -																	.0
49. -																	.1
48. -							.1										.1
47. -								.2									.2
46. -									.2								.2
45. -										.1							.4
44. -											.2						1.1
43. -												.4					2.1
42. -					.1	.1	.3	.7	.6	.5	.4	.4	.2	.4	.1	.1	3.6
41. -					.1	.2	.4	1.5	1.7	1.4	.9	.7	.2	.0	.0	.0	7.3
40. -	.1				.4	.9	1.3	1.7	2.0	1.9	1.4	.8	.7	.2	.0	.0	12.0
39. -				.1	.3	1.3	1.5	1.7	2.0	2.3	1.9	.8	.7	.2	.0	.0	14.9
38. -					.1	.3	.5	1.4	2.0	1.7	.9	1.0	.1	.1	.1	.1	17.3
37. -					.2	.6	1.9	2.3	3.5	2.4	.8	.5	.2	.1	.1	.1	15.1
36. -					.2	1.4	1.9	2.0	2.7	1.5	.8	.1	.2	.0	.0	.0	12.6
35. -					.1	.6	.7	1.1	1.4	.9	.6	.2	.1	.1	.1	.1	6.5
34. -					.1	.1	.0	.9	.8	1.0	.5	.2	.1	.1	.1	.1	4.1
33. -					.1	.1	.1	.5	.6	.1	.1	.1	.1	.1	.1	.1	1.9
32. -						.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.6
31. -						.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
30. †	.2	.2	.6	1.5	5.3	11.3	15.9	21.2	25.3	28.6	32.2	36.0	40.0	44.0	48.0	52.0	55.9

PERCENT EXCLUDED .1

SUMMARY STATISTICS

MEAN	37.64	37.64	37.64	37.64	37.64	37.64	37.64	37.64	37.64	37.64	37.64	37.64	37.64	37.64	37.64	37.64	37.64
ST. DEV.	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51	2.51
NO.	1391	1391	1391	1391	1391	1391	1391	1391	1391	1391	1391	1391	1391	1391	1391	1391	1391

TABLE 83

JOINT HEIGHT AND WAIST CIRCUMFERENCE

JOINT HEIGHT

JOINT HEIGHT	25.1	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	31.0	31.5	32.0	32.5	33.0	34.0	34.5	35.0	35.5	36.0		
41.0																					.2	
40.0																						.2
39.0																						.0
38.0																						.0
37.0																						.2
36.0																						.6
35.0																						.7
34.0																						1.5
33.0																						1.5
32.0																						2.2
31.0																						4.2
30.0																						7.5
29.0																						10.4
28.0																						14.5
27.0																						15.8
26.0																						16.6
25.0																						13.2
24.0																						7.6
23.0																						2.4
22.0																						.6

PERCENT EXCLUDED .2

SUMMARY STATISTICS

WAIST CIRCUMFERENCE	MEAN	ST. DEV.	NO. OF	UNIT
JOINT HEIGHT	30.7	3.7	107	CM.

TABLE 24  
CROTCH HEIGHT AND HIP CIRCUMFERENCE

	CROTCH HEIGHT																						
25.0	25.5	26.0	26.5	27.0	27.5	28.0	28.5	29.0	29.5	30.0	30.5	31.0	31.5	32.0	32.5	33.0	33.5	34.0	34.5	35.0	35.5	36.0	.0
51.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
52.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	.0
53.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
54.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
55.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
56.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
57.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
58.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
59.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
60.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
61.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
62.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
63.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
64.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
65.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
66.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
67.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
68.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
69.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
70.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
71.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
72.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
73.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
74.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
75.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
76.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
77.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
78.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
79.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
80.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
81.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
82.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
83.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
84.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
85.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
86.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
87.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
88.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
89.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
90.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
91.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
92.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
93.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
94.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
95.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
96.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
97.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
98.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
99.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0
100.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.0

EXCEPT EXCLUDED

SUMMARY STATISTICS

MEAN	27.04	28.54	29.54	30.54
ST. DEV.	1.072	1.072	1.072	1.072

MEAN ST. DEV. ST. DEV. ST. DEV.

TABLE 25

NECK CIRCUMFERENCE AND ELBOW CIRCUMFERENCE

NECK CIRCUMFERENCE

	10.5	11.0	11.5	12.0	12.5	13.0	13.5	14.0	14.5	15.0	
47. +											.1
46. -								.1			.1
45. -											
44. -											
43. -							.1	.2	.1		
42. -					.1	.4	.2	.2			
41. -						.4	.4	.2	.2		
40. -					.1	.4	.4	.2	.2	.1	.2
39. -						.2	1.5	.4	.2	.1	2.0
38. -					.2	1.6	1.8	1.1	.1	.1	4.9
37. -					.7	2.3	2.4	.8	.5	.2	6.8
36. -					.2	2.4	4.4	3.2	1.6	.1	11.8
35. -					.1	.6	2.7	4.2	2.5	.1	16.2
34. -						1.3	4.0	5.9	2.8	.4	14.5
33. -					.1	2.1	4.7	5.6	1.9	.4	14.6
32. -					.2	2.4	3.9	4.4	1.7	.7	13.1
31. -					.4	1.8	2.9	2.4	.4	.1	8.1
30. -					.1	.6	1.1	1.4	.3		4.1
29. -						.3	.4				.7
28. +					.2	.1					.2
	.1	1.1	2.9	23.4	35.9	50.1	66.1	80.8	2.0	.5	95.8

PERCENT EXCLUDED .02

SUMMARY STATISTICS

	MEAN	ST. DEV.	MODE	MIN.
ELBOW CIRCUMFERENCE	17.73	2.93	15.5	13.1
NECK CIRCUMFERENCE	12.74	1.62		

BEST AVAILABLE COPY



BEST AVAILABLE COPY

TABLE 86

CHEST CIRCUMFERENCE AT SCYE AND BUST CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.
47.	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
46.	-																.1
45.	-															.1	.1
44.	-															.2	.2
43.	-												.2	.1		.0	.0
42.	-											.2	.4	.2		.4	.4
41.	-										.2	.4	.2		.2	.2	.2
40.	-					.1		.1	.4	1.3	.5	.2	.1		.8	.8	.8
39.	-						.2	.6	1.2	1.6	.8	.4	.1		.5	.5	2.4
38.	-						.5	1.7	2.4	1.5	.6	.1			.7	1.5	3.9
37.	-						.7	1.5	3.9	4.4	1.5	.2			.2	1.4	4.1
36.	-				.2	1.4	4.1	6.7	2.8	1.0						.9	.2
35.	-			.1	.9	2.9	6.0	3.5	.9	.2						.3	2.9
34.	-			.3	2.9	5.4	5.0	.8	.2							.3	1.0
33.	-		.3	1.0	4.7	4.9	1.9	.3	.1							.7	2.0
32.	-	.0	.7	2.0	3.8	1.6	.1									.4	.1
31.	-	.1	.7	2.2	1.0	.2										.1	.2
30.	-	.4	.1	.2												.1	.2
29.	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
28.	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
	.2	2.2	5.6	15.6	16.7	19.4	17.6	12.5	7.0	2.4	1.5	.7	.0	.2	.1	.1	99.8

PERCENT EXCLUDED .02

SUMMARY STATISTICS

	MEAN	ST. DEV.	-R-	-N-
BUST CIRCUMFERENCE	34.73	2.53	.684	1331
CHEST CIRCUMFERENCE AT SCYE	33.68	2.05		

TABLE A7

BUST CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

BUST CIRCUMFERENCE

25. +	29. +	30. +	31. +	32. +	33. +	34. +	35. +	36. +	37. +	38. +	39. +	40. +	41. +	42. +	43. +	44. +	45. +	46. +	47. +	.1
39. -																				.1
26. -																				.0
37. -																				.2
36. -																				.9
35. -																				.5
34. -																				.2
33. -																				.6
32. -																				.5
31. -																				.2
30. -																				.2
29. -																				.2
28. -																				.2
27. -																				.2
26. -																				.2
25. -																				.2
24. +																				.2

PERCENT EXCLUDED .02

SUMMARY STATISTICS

CHEST CIRCUMFERENCE BELOW BUST	MEAN	ST. DEV.	N
BUST CIRCUMFERENCE	35.73	1.92	1331

TABLE 24  
 BUST CIRCUMFERENCE AND WAIST CIRCUMFERENCE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	48.	
28.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
29.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
30.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
31.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
32.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
33.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
34.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
35.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
36.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
37.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
38.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
39.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
40.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
41.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
42.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
43.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
44.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
45.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
46.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
47.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
48.	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

PERCENT EXCLUDED .02

SUMMARY STATISTICS

WAIST CIRCUMFERENCE	MEAN	ST. DEV.	SE	N
BUST CIRCUMFERENCE	34.73	2.72	.709	1331

TABLE 41

POST CIRCUMFERENCE AND HIS CIRCUMFERENCE

POST CIRCUMFERENCE

	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.		
52. +																					
51. -																					
50. -																					
49. -																					
48. -																					
47. -																					
46. -																					
45. -																					
44. -																					
43. -																					
42. -																					
41. -																					
40. -																					
39. -																					
38. -																					
37. -																					
36. -																					
35. -																					
34. -																					
33. -																					
32. -																					
31. -																					
30. +																					

PERCENT EXCLUDED .02

SUMMARY STATISTICS

HIS CIRCUMFERENCE	MEAN	ST. DEV.	ST. DEV.
POST CIRCUMFERENCE	34.91	2.81	.71F 1.81

BEST AVAILABLE COPY

TABLE 50  
 ELUST CIRCUMFERENCE AND ARM SCYE CIRCUMFERENCE

ELUST CIRCUMFERENCE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
19.0	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
18.5	-																			
18.0	-																			
17.5	-																			
17.0	-																			
16.5	-																			
15.0	-																			
15.5	-																			
15.0	-																			
14.5	-																			
14.0	-																			
13.5	-																			
13.0	-																			
12.5	-																			
12.0	-																			
11.5	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

PERCENT EXCLUDED .02

SUMMARY STATISTICS

ARM SCYE CIRCUMFERENCE	MEAN	ST DEV	-R-	-N-
ELUST CIRCUMFERENCE	14.77	.95	.764	1331
	14.73	2.53		

TABLE 91

BUST CIRCUMFERENCE AND INTERSCYE BACK

BUST CIRCUMFERENCE

	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.		
19.5 +																									
19.0 -																									
17.5 -																									
17.0 -																									
16.5 -																									
15.0 -																									
15.5 -																									
15.0 -																									
14.5 -																									
14.0 -																									
13.5 -																									
13.0 -																									
12.5 -																									
12.0 -																									
11.5 +																									

PERCENT EXCLUDED .02

SUMMARY STATISTICS

INTERSCYE BACK	MEAN	ST. DEV.	-R-	-N-
BUST CIRCUMFERENCE	34.73	2.53	.477	1331

BEST AVAILABLE COPY

TABLE 92

BUST CIRCUMFERENCE AND INTERSCYE FRONT

BUST CIRCUMFERENCE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
15.2	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑
15.1	-																			
15.0	-																			
14.3	-																			
14.2	-																			
14.1	-																			
14.0	-																			
13.3	-																			
13.2	-																			
13.1	-																			
13.0	-																			
12.3	-																			
12.2	-																			
12.1	-																			
12.0	-																			
11.3	-																			
11.2	-																			
11.1	-																			
11.0	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑	↑

PERCENT EXCLUDED .2

SUMMARY STATISTICS

	MEAN	ST DEV	-P-	-N-
INTERSCYE FRONT	13.59	.69	.509	1331
BUST CIRCUMFERENCE	34.79	2.53		

TABLE 93

BUST CIRCUMFERENCE AND WAIST BACK

EUST CIRCUMFERENCE

	28.†	29.†	30.†	31.†	32.†	33.†	34.†	35.†	36.†	37.†	38.†	39.†	40.†	41.†	42.†	43.†	44.†	45.†	46.†	47.†		
20.5 -	.1																				.1	
20.0 -																						.2
19.5 -																						.3
19.0 -																						1.0
18.5 -																						2.6
18.0 -																						5.2
17.5 -																						7.7
17.0 -																						17.0
16.5 -																						17.0
16.0 -																						17.6
15.5 -																						15.0
15.0 -																						10.0
14.5 -																						4.0
14.0 -																						1.1
13.5 -																						.2
13.0 -																						.1
99.9																						.1

PERCENT EXCLUDED .1

SUMMARY STATISTICS

	MEAN	ST DEV	SD	N
WAIST BACK	16.08	1.04	.16	1331
BUST CIRCUMFERENCE	34.73	2.53		



TABLE 54

WOIST CIRCUMFERENCE AND WAIST FRONT

WOIST CIRCUMFERENCE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
13.0																				
14.5						.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
15.0					.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17.5						.2	.1	.1	.1	.1	.1	.1	.2	.1	.1	.1	.1	.1	.1	.1
17.0					.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
15.5					.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
16.0			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
16.5			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
15.5			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
15.0			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
14.5		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
14.0		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
13.5		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
13.0		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
12.5		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
12.0		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
11.5	.2	.7	4.1	8.1	12.1	14.1	14.1	14.2	11.6	6.8	4.0	2.4	.8	.8	.4	.0	.2	.1	.1	.1

PERCENT EXCLUDED .2

SUMMARY STATISTICS

WAIST FRONT	MEAN	ST DEV	-R-	-N-
WOIST CIRCUMFERENCE	14.46	1.03	.351	1331
	34.73	2.53		

TABLE 9

BUST CIRCUMFERENCE AND NECK TO BUSTPOINT

BUST CIRCUMFERENCE

13.5	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
13.0																				
12.5																				
12.0																				
11.5																				
11.0																				
10.5																				
10.0																				
9.5																				
9.0																				
8.5																				
8.0																				
7.5																				
7.0																				

PERCENT EXCLUDED .02

SUMMARY STATISTICS

NECK TO BUSTPOINT	MEAN	ST. DEV.	MIN.	MAX.
BUST CIRCUMFERENCE	34.73	2.83	28.0	43.1

BEST AVAILABLE COPY

TABLE 58

BUST CIRCUMFERENCE AND AXILLA TO WAIST

EUST CIRCUMFERENCE

	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.		
14.0 -	.1																					
13.5 -				.1				.1														.1
13.0 -				.1	.1			.1	.2													.0
12.5 -				.1	.1	.1		.1	.1	.1												.4
12.0 -				.1	.1	.1	.1	.1	.1	.1												.6
11.5 -				.1	.1	.1	.1	.1	.1	.1												1.2
11.0 -				.1	.1	.1	.1	.1	.1	.1												1.4
10.5 -				.1	.1	.1	.1	.1	.1	.1												4.2
10.0 -				.1	.1	.1	.1	.1	.1	.1												8.5
9.5 -				.1	.1	.1	.1	.1	.1	.1												14.5
9.0 -				.1	.1	.1	.1	.1	.1	.1												19.5
8.5 -				.1	.1	.1	.1	.1	.1	.1												20.7
8.0 -				.1	.1	.1	.1	.1	.1	.1												16.9
7.5 -				.1	.1	.1	.1	.1	.1	.1												8.3
7.0 -				.1	.1	.1	.1	.1	.1	.1												2.9
6.5 -				.1	.1	.1	.1	.1	.1	.1												.6
6.0 -				.1	.1	.1	.1	.1	.1	.1												.1

PERCENT EXCLUDED .2

SUMMARY STATISTICS

	MEAN	ST	CV	SD	N
AXILLA TO WAIST	6.09	.99	.396		1331
EUST CIRCUMFERENCE	3.73	2.57			

TABLE 57

EUST CIRCUMFERENCE AND SLAVE INSEAM

EUST CIRCUMFERENCE

	28. †	29. †	30. †	31. †	32. †	33. †	34. †	35. †	36. †	37. †	38. †	39. †	40. †	41. †	42. †	43. †	44. †	45. †	46. †	47. †	
21.5 †	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
21.0 -	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.5
20.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	1.2
20.0 -	.5	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
19.5 -	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
19.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
18.5 -	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
18.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
16.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
16.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
15.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
15.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
14.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
14.0 †	.2	.7	4.1	8.1	13.1	18.1	23.1	28.1	33.1	38.1	43.1	48.1	53.1	58.1	63.1	68.1	73.1	78.1	83.1	88.1	93.1

PERCENT EXCLUDED

SUMMARY STATISTICS

SLAVE INSEAM	MEAN	ST. DEV.	ST. DEV.	ST. DEV.
EUST CIRCUMFERENCE	17.75	1.05	1.20	1.31

TABLE 9e  
 BUST CIRCUMFERENCE AND SLEEVE OUTSEAM

EUST CIRCUMFERENCE

	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.
25.5 -	.2	.7	4.1	9.1	13.1	14.6	14.5	16.2	11.2	6.8	4.9	2.4	.8	.2	.4	.2	.1	.1	95.8
25.0 -	.1	.3	.2	.1	.1	.1	.2	.1	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.2
24.5 -	.1	.1	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2	.2
24.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
23.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
23.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
22.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
22.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
21.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
21.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
20.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
20.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
19.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
19.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
18.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
18.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17.5 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
17.0 -	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1

PERCENT EXCLUDED .2

SUMMARY STATISTICS

	MEAN	ST DEV	SD	RP	N
SLEEVE OUTSEAM	21.18	1.17	.200	1331	
EUST CIRCUMFERENCE	34.73	2.53			

TABLE 66

WAIST CIRCUMFERENCE AND HIF CIRCUMFERENCE

WAIST CIRCUMFERENCE

	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.		
52.	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		
51.																						.0	
50.																							.0
49.																							.0
48.																							.1
47.																							.1
46.																							.2
45.																							.2
44.																							.4
43.																							1.1
42.																							2.1
41.																							3.5
40.																							7.3
39.																							12.0
38.																							14.9
37.																							17.7
36.																							15.1
35.																							12.6
34.																							6.5
33.																							4.1
32.																							1.9
31.																							.5
30.	.6	2.4	7.0	17.2	16.7	15.8	14.5	13.4	7.6	4.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

PERCENT EXCLUDED .1

SUMMARY STATISTICS

MEAN	27.94	27.94
ST. DEV.	3.94	3.94
MIN.	27.94	27.94
MAX.	31.81	31.81

TABLE 10  
 WAIST CIRCUMFERENCE AND CATCH LENGTH

	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.
40.	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
39.																					
38.																					
37.																					
36.																					
35.																					
34.																					
33.																					
32.																					
31.																					
30.																					
29.																					
28.																					
27.																					
26.																					
25.																					
24.																					
23.																					
22.																					
20.																					

PERCENT EXCLUDED .1

SUMMARY STATISTICS

MEAN	ST. DEV.	-P-	-N-
24.71	2.13	.269	1331
27.56	2.72		

## Chapter III

### THE STANDARD BIVARIATE FREQUENCY TABLES

The tables in this section (Tables 101-310) include about 200 bivariate frequency tables based on data from the women's survey and using intervals which are integer multiples of the unit of measurement. All the full-sample ("core") measurements were recorded in millimeters except weight which was measured to the nearest quarter of a pound.

Maximums of 25 rows and 25 columns were chosen for reasons of computational simplicity and because tables of approximately that size were deemed close to optimum for providing the viewer with a clear impression of the general pattern of the interrelationship of the variables involved. Most of the interval widths are 5, 10, 15, or 20 millimeters; when such is the case the interval endpoints end in .25 or .75 centimeters to reduce the effect of any possible tendency to overuse 0's and 5's as final digits. Midpoint values, in centimeters or pounds, are listed to the left of each column and above each column. The values at the top of the columns are printed on two lines and are to be read as a single number. Thus:

156  
.25

indicates the number 156.25.

Below each table we have listed the mean and standard deviation for both variables, the correlation coefficient for the pair, regression equations for each variable in terms of the other variable, and standard errors of estimate associated with these equations. These statistics are based on the units in which the table is labelled. Where, as is usual, both units are centimeters, the means, standard deviations, the standard errors of estimate, and the constant terms in the regression equations may be converted to inches by multiplying by 0.3937. The slopes of the regression lines--the coefficients of "x" and "y"--do not change when, as in this case, the same change in units is made in both variables.

When weight is one variable, the following rules apply:

a. When weight is the "estimated" variable, and its unit is to be changed to kilograms, divide the slope, the constant, and the standard error by 2.2:

Thus the equation for weight in terms of stature:

$$W = 1.56 S - 122.00 \text{ (SE=16.22) in pounds and centimeters}$$



becomes:

$$W^1 = 0.709 S - 55.45 \text{ (SE=7.37) in kilograms and centimeters.}$$

b. When weight is the "estimated" variable, and the unit of the other variable is to be changed from centimeters to inches, multiply the slope by 2.54:

$$W^1 = 3.962 S - 122.00 \text{ (SE=16.22) in kilograms and inches}$$

c. When weight is the estimator, and its unit is to be changed to kilograms, multiply the slope by 2.2:

Thus, the equation for stature in terms of weight:

$$S = 0.18 W + 139.16 \text{ (SE=5.52) in centimeters and pounds.}$$

becomes:

$$S = 0.396 W^1 + 139.16 \text{ (SE=5.52) in centimeters and kilograms.}$$

d. When weight is the estimator and the unit of the other variable is to be changed to inches, divide all values by 2.54:

$$S = 0.0709 W^1 + 54.79 \text{ (SE=2.17) in inches and pounds.}$$

TABLE 101

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND STATURE

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
184.25	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	1
182.25			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
180.25			1	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7
178.25			3	2	5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11
176.25			7	3	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	24
174.25			11	10	8	2	3	3	3	3	3	3	3	3	3	3	3	3	3	43
172.25			9	14	8	5	3	3	3	3	3	3	3	3	3	3	3	3	3	57
170.25			13	17	8	1	3	3	3	3	3	3	3	3	3	3	3	3	3	78
168.25			21	24	22	3	4	4	4	4	4	4	4	4	4	4	4	4	4	109
166.25			9	26	25	8	1	1	1	1	1	1	1	1	1	1	1	1	1	140
164.25			18	27	18	8	8	8	8	8	8	8	8	8	8	8	8	8	8	161
162.25			10	33	28	11	3	3	3	3	3	3	3	3	3	3	3	3	3	151
160.25			13	34	25	6	2	2	2	2	2	2	2	2	2	2	2	2	2	150
158.25			8	36	36	7	2	2	2	2	2	2	2	2	2	2	2	2	2	146
156.25			15	27	16	6	3	3	3	3	3	3	3	3	3	3	3	3	3	102
154.25			13	16	14	6	1	1	1	1	1	1	1	1	1	1	1	1	1	67
152.25			14	9	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	39
150.25			6	7	5	4														25
148.25			5	1	2															10
146.25			1	2	1	1														6
144.25			1	1	1															1
142.25			1	1	1															1
TOTALS	23	94	177	279	287	213	140	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- STATURE	162.96	6.52	.18*X +	5.52	.532
X- WEIGHT	132.22	19.16	1.56*Y +	16.22	

TABLE 102  
 A BIVARIATE FREQUENCY TABLE FOR  
 HEIGHT AND SHOULDER (ACROMIALE) HEIGHT

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT	
155.25	1																			1	
153.25																					0
151.25																					2
149.25																					5
147.25																					15
145.25																					38
143.25																					44
141.25																					70
139.25																					109
137.25																					136
135.25																					165
133.25																					174
131.25																					172
129.25																					140
127.25																					109
125.25																					66
123.25																					54
121.25																					18
119.25																					12
117.25																					0
115.25																					1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331	

SUMMARY STATISTICS

Y-SHOULDER (ACROMIALE) HEIGHT	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
X-	133.49	6.00	$.16^*X + 109.691$	4.96	.563
HEIGHT	132.22	19.16	$1.60^*Y + -108.063$	15.84	

TABLE 103

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND AXILLA HEIGHT

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT	
142.25																					1
140.25								1													2
138.25						1		1													2
136.25						7	6	3	2												19
134.25				2	4	10	12	8	3	3				1							40
132.25				3	10	4	8	10	3	1											42
130.25				12	20	20	17	9	3	4	1	1									90
128.25				18	22	27	22	11	3	4	1	1	1								121
126.25				34	36	27	29	6	3	4	1	1	1								150
124.25				52	41	36	16	9	3	1	1	1									187
122.25				40	52	34	17	3	4	1											186
120.25				42	47	17	8	3	1												173
118.25				33	25	16	5	1													131
116.25				16	20	7	2														85
114.25				8	19	7	6														62
112.25				6	3	1															20
110.25				3	3	1															15
108.25				3	3	1															4
106.25				1	1																0
104.25																					1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- AXILLA HEIGHT	123.25	5.58	.15*X +	4.77	.518
X- WEIGHT	132.22	19.16	1.76*Y +	16.39	
			103.420		
			-87.170		

TABLE 104

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND BUSTPOINT HEIGHT

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT	
135.50																					1
134.00							3	2													5
132.50						3	1	1													5
131.00				1	2	6	2	1	2					1							15
129.50				1	7	6	5	7	1												27
128.00				3	4	6	10	8													33
126.50				5	4	9	10	6	1	2											44
125.00		1	3	13	12	15	7	6	1	5	1										64
123.50		1	5	13	23	16	19	5	4	1	1	1									84
122.00		1	2	13	30	19	23	19	12	1			1								121
120.50		3	14	32	23	24	15	6	1	2	2										122
119.00		13	9	28	34	29	20	2	5	1	1	1									143
117.50		6	22	30	39	23	13	2	3	1											139
116.00	4	10	26	31	34	14	10	3													133
114.50	2	13	24	25	32	22	4	3													125
113.00	1	10	21	21	18	6	4	1													82
111.50	3	7	10	22	15	7	1	1													65
110.00	5	11	12	11	9	6	1	1													56
108.50	2	9	7	7	8	1	1														35
107.00	4	7	4	3	1																20
105.50	1	1	2	1	1			1													7
104.00																					1
102.50				1	1																3
101.00																					0
99.50																					1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUSTPOINT HEIGHT	118.30	5.63	.13*X +	5.00	.429
X- WEIGHT	132.22	19.16	1.56*Y +	17.02	

TABLE 105

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND WAIST HEIGHT

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
121.50							1													1
120.00							1													1
118.50																				0
117.00																				0
115.50														1						6
114.00																				12
112.50																				20
111.00																				34
109.50																				36
108.00																				67
106.50																				87
105.00																				91
103.50																				141
102.00																				168
100.50																				172
99.00																				136
97.50																				113
96.00																				86
94.50																				71
93.00																				51
91.50																				15
90.00																				13
88.50																				5
87.00																				3
85.50																				2
TOTALS	23	94	177	279	407	213	146	66	19	15	5	3	2	1	0	0	0	0	0	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST HEIGHT	101.39	5.20	$.12^*X +$	4.69	.433
X- WEIGHT	132.22	19.16	$1.60^*Y +$	17.27	
			$85.52^4$		
			$-30.005$		

TABLE 106

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND CROUCH HEIGHT

WEIGHT	CROUCH HEIGHT																	TOT ALS		
	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252		262	272
92.50																				1
91.00																				0
89.50																				4
88.00																				5
86.50																				21
85.00																				24
83.50																				55
82.00																				79
80.50																				111
79.00																				118
77.50																				169
76.00																				191
74.50																				176
73.00																				155
71.50																				96
70.00																				68
68.50																				35
67.00																				14
65.50																				6
64.00																				2
62.50																				1
TOTALS	23	94	177	279	287	213	140	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CROUCH HEIGHT	76.37	4.38	$.09^*X +$	4.02	.335
X- WEIGHT	132.22	19.16	$1.73^*Y +$	17.60	

TABLE 107

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND SITTING HEIGHT

WEIGHT	SITTING HEIGHT																			TOT ALS
	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	
95.75																				
94.75					1	1	1													
93.75					2	1	1													
92.75					3		1													
91.75					4		5	6	5	1	2	1								1
90.75					1	11	11	9	3	3	1	1								
89.75					2	4	7	15	10	4	3	2	1							
88.75					1	4	2	16	18	9	2	2	1							
87.75					1	2	14	26	25	24	13	1								
86.75					5	15	40	39	22	16	4	2	1							
85.75					7	17	28	32	24	14	4	2								
84.75					1	8	20	29	43	23	15	7	1							
83.75					3	8	22	27	20	27	5	3	2	1						
82.75					4	8	22	25	22	14	11	1	1							
81.75					14	23	21	27	10	5	2	1								
80.75					3	7	15	21	7	11	1	2								
79.75					3	9	7	14	11	3	4	1								
78.75					1	9	3	7	9											
77.75					4	4	7	5	2	2										
76.75					3	3														
75.75					4	1	3	1	1											
74.75					1	1	2													
73.75					1	1	2													
72.75					1															
TOTALS	23	34	177	279	287	215	146	66	19	15	5	3	2	1	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SITTING HEIGHT	69.06	3.29	.008*X + 74.499	3.26	.+22
X- WEIGHT	152.22	11.16	2.22*Y + -59.204	17.37	



TABLE 106

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND BUTTOCK-KNEE LENGTH

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
68.75																				1
67.75									1	1										2
66.75								1	1											3
65.75								3	1	1										7
64.75					1	1	5	8	1	3	1	1								21
63.75					1	5	8	10	3	4										33
62.75					5	12	9	13	2	2	2	1								46
61.75				7	10	16	23	10	1	1	1									71
60.75				11	22	29	31	7	4	2										106
59.75				6	24	30	27	7	1											124
58.75				9	32	40	32	19	4	3										146
57.75				8	26	45	60	31	2	1										183
56.75				4	21	63	50	33	6	1	1									179
55.75				1	10	37	36	33	14	3	2									137
54.75				2	21	41	31	22	5	1										123
53.75				8	16	24	20	6	3											78
52.75				5	15	10	4	1												35
51.75				4	11	2	5													22
50.75				2	8	1														12
49.75				1																1
48.75																				1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK-KNEE LENGTH	57.85	3.06	.11*X +	43.306	2.14
X- WEIGHT	132.22	19.16	4.48*Y +	-120.947	13.36
					.717

TABLE 109

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND BUST DEPTH

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
32.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	3
31.75												1	1							1
30.75											1	1	1							2
29.75											1	1	1	1						6
28.75											2	2	1	1	1					11
27.75											3	1								24
26.75							2	5	7	3	1									55
25.75						6	9	16	11	4	5	1								92
24.75						3	12	29	13	3	2	1								135
23.75						5	45	70	35	8	3	4								225
22.75						2	32	58	40	14	7									224
21.75						1	11	45	61	59	34	7	1							239
20.75						5	38	49	50	27	9	3								181
19.75						6	31	30	19	7	2									95
18.75						8	7	13	6	1										35
17.75						1	1													2
16.75																				0
15.75																				1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

WEIGHT

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST DEPTH	22.92	2.23	.09*X +	1.09	.743
X- WEIGHT	132.22	19.16	6.40*Y +	12.82	

TABLE 110

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND WAIST DEPTH

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
32.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	1
31.75																				1
30.75																				1
29.75												1								1
28.75												1								1
27.75																				0
26.75											1									2
25.75											2									5
24.75											3									8
23.75											4									18
22.75											4									23
21.75											5									62
20.75											9									82
19.75											11									158
18.75											13									233
17.75											17									279
16.75											24									254
15.75											32									149
14.75											46									47
13.75											55									6
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - WAIST DEPTH	18.29	2.21	$.08 * X +$	7.711	1.52
X - WEIGHT	132.22	19.16	$6.28 * Y +$	17.364	13.20

TABLE 111

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND CHEST BREADTH

		WEIGHT																TOT	ALS			
		92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272		
43.75																					1	
39.75																					0	
38.75													1								1	
37.75																					0	
36.75																					0	
35.75																					0	
34.75																					3	
33.75																					6	
32.75																					22	
31.75																					44	
30.75																					85	
29.75																					211	
28.75																					271	
27.75																					272	
26.75																					239	
25.75																					124	
24.75																					46	
23.75																					6	
TOTALS		23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CHEST BREADTH	28.25	1.86	$.08 * X +$	1.15	.784
X- WEIGHT	132.22	19.16	$.009 * Y +$	11.88	
			-96.302		

TABLE 112

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND WAIST BREADTH

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
39.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	1
38.75												1								1
37.75												1								0
36.75													1							1
35.75														0						0
34.75											1									2
33.75											1	1								7
32.75											2	3	1							10
31.75											4									10
30.75							3	4	10	6	2		1							25
29.75							2	6	12	6	3	2	1							34
28.75							1	13	21	13	4	1								83
27.75							2	8	20	34	12	4	2							120
26.75							1	7	28	43	25	12	1							158
25.75							2	14	52	70	47	20	9	1						217
24.75							1	11	32	76	67	44	18							249
23.75							2	18	54	64	42	13	2							198
22.75							5	27	46	40	15	2	3							136
21.75							8	26	17	7	3									61
20.75							4	7	3	1										15
19.75							1													1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
WAIST BREADTH	25.58	2.46	$0.10X + 12.359$	1.64	0.742
WEIGHT	132.22	19.16	$5.61Y + -16.403$	12.78	

TABLE 113  
A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND HIP BREADTH

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT	
48.75																				1	
47.75																					1
46.75																					0
45.75																					0
44.75										1											1
43.75																					1
42.75													1								7
41.75											2	1									9
40.75						1	2	3	1	2	4	1	1								19
39.75						7	6	3	2	4	3	1									45
38.75				1	2	14	15	13	5	4	4	1									65
37.75				4	11	17	15	14	4	2	1										137
36.75				15	26	40	41	19	7												163
35.75				6	15	49	67	32	5	1											211
34.75	1	2	13	49	82	47	26	6													228
33.75		1	23	82	33	5	2														191
32.75			9	56	79	15	4														134
31.75		4	26	52	37	13	1														71
30.75		5	29	22	14	4															32
29.75		9	17	4	1																11
28.75		3	7	1																	4
TOTALS	23	94	177	279	267	213	146	66	19	15	5	3	2	1	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP BREADTH	35.37	2.47	$0.10X + 22.145$	1.47	.505
X- WEIGHT	132.22	19.16	$0.004Y + -89.463$	11.36	

TABLE 114

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND SHOULDER BREADTH

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOTAL	
50.75																				1	
54.75																					0
53.75																					0
52.75													1								1
51.75																					0
50.75																					1
49.75											1										1
48.75												1									1
47.75																					5
46.75																					7
45.75																					19
44.75																					60
43.75																					120
42.75																					159
41.75																					236
40.75																					239
39.75																					192
38.75																					153
37.75																					79
36.75																					46
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER BREADTH	42.05	2.24	.10*X +	1.28	.619
X- WEIGHT	132.22	19.16	7.02*Y +	10.39	
			28.823		
			-162.339		

TABLE 115

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND SHOULDER CIRCUMFERENCE

WEIGHT

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOTAL
139.00																				1
136.50																				0
134.00																				0
131.50																				0
129.00																				0
126.50																				2
124.00												1	1							2
121.50											1	1								1
119.00																				1
116.50																				6
114.00																				7
111.50																				28
109.00																				70
106.50																				117
104.00																				186
101.50																				241
99.00																				230
96.50																				205
94.00																				143
91.50																				64
89.00																				23
86.50																				5
TOTALS	23	94	177	279	207	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - SHOULDER CIRCUMFERENCE	100.39	2.46	$.24X +$	68.655	2.96
X - WEIGHT	132.22	19.16	$2.95Y +$	-163.924	10.40



TABLE 116

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND CHEST CIRCUMFERENCE AT SCYE

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
120.25	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	1
118.25																				0
116.25																				0
114.25																				0
112.25																				0
110.25																				1
108.25																				1
106.25																				1
104.25																				1
102.25																				1
100.25																				1
98.25																				2
96.25																				7
94.25																				9
92.25																				30
90.25																				27
88.25																				86
86.25																				131
84.25																				178
82.25																				183
80.25																				217
78.25																				169
76.25																				152
74.25																				86
72.25																				38
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

Y-CHEST CIRCUMFERENCE AT SCYE	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
X-WEIGHT	85.55	5.19	.23*X +	2.89	.831
	132.22	19.16	3.07*Y +	10.66	
			-130.415		

TABLE 117

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND BUST CIRCUMFERENCE

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
129.50																				1
127.00																				0
124.50																				0
122.00																				0
119.50													1							1
117.00																				6
114.50												1								3
112.00																				0
109.50												1								3
107.00																				0
104.50																				3
102.00																				7
99.50																				9
97.00																				14
94.50																				42
92.00																				74
89.50																				108
87.00																				177
84.50																				189
82.00																				205
79.50																				186
77.00																				167
74.50																				88
72.00																				46
69.50																				8
TOTALS	23	94	177	279	287	215	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	.27*X +	52.515	.815
X- WEIGHT	132.22	19.16	2.43*Y +	-82.142	11.11

TABLE 116

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND CHEST CIRCUMFERENCE BELOW BUST

	WEIGHT										TOT																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
108.25	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	282	292	302	312	322	332	342	352	362	372	382	392	402	412	422	432	442	452	462	472	482	492	502	512	522	532	542	552	562	572	582	592	602	612	622	632	642	652	662	672	682	692	702	712	722	732	742	752	762	772	782	792	802	812	822	832	842	852	862	872	882	892	902	912	922	932	942	952	962	972	982	992	1002	1012	1022	1032	1042	1052	1062	1072	1082	1092	1102	1112	1122	1132	1142	1152	1162	1172	1182	1192	1202	1212	1222	1232	1242	1252	1262	1272	1282	1292	1302	1312	1322	1332	1342	1352	1362	1372	1382	1392	1402	1412	1422	1432	1442	1452	1462	1472	1482	1492	1502	1512	1522	1532	1542	1552	1562	1572	1582	1592	1602	1612	1622	1632	1642	1652	1662	1672	1682	1692	1702	1712	1722	1732	1742	1752	1762	1772	1782	1792	1802	1812	1822	1832	1842	1852	1862	1872	1882	1892	1902	1912	1922	1932	1942	1952	1962	1972	1982	1992	2002	2012	2022	2032	2042	2052	2062	2072	2082	2092	2102	2112	2122	2132	2142	2152	2162	2172	2182	2192	2202	2212	2222	2232	2242	2252	2262	2272	2282	2292	2302	2312	2322	2332	2342	2352	2362	2372	2382	2392	2402	2412	2422	2432	2442	2452	2462	2472	2482	2492	2502	2512	2522	2532	2542	2552	2562	2572	2582	2592	2602	2612	2622	2632	2642	2652	2662	2672	2682	2692	2702	2712	2722	2732	2742	2752	2762	2772	2782	2792	2802	2812	2822	2832	2842	2852	2862	2872	2882	2892	2902	2912	2922	2932	2942	2952	2962	2972	2982	2992	3002	3012	3022	3032	3042	3052	3062	3072	3082	3092	3102	3112	3122	3132	3142	3152	3162	3172	3182	3192	3202	3212	3222	3232	3242	3252	3262	3272	3282	3292	3302	3312	3322	3332	3342	3352	3362	3372	3382	3392	3402	3412	3422	3432	3442	3452	3462	3472	3482	3492	3502	3512	3522	3532	3542	3552	3562	3572	3582	3592	3602	3612	3622	3632	3642	3652	3662	3672	3682	3692	3702	3712	3722	3732	3742	3752	3762	3772	3782	3792	3802	3812	3822	3832	3842	3852	3862	3872	3882	3892	3902	3912	3922	3932	3942	3952	3962	3972	3982	3992	4002	4012	4022	4032	4042	4052	4062	4072	4082	4092	4102	4112	4122	4132	4142	4152	4162	4172	4182	4192	4202	4212	4222	4232	4242	4252	4262	4272	4282	4292	4302	4312	4322	4332	4342	4352	4362	4372	4382	4392	4402	4412	4422	4432	4442	4452	4462	4472	4482	4492	4502	4512	4522	4532	4542	4552	4562	4572	4582	4592	4602	4612	4622	4632	4642	4652	4662	4672	4682	4692	4702	4712	4722	4732	4742	4752	4762	4772	4782	4792	4802	4812	4822	4832	4842	4852	4862	4872	4882	4892	4902	4912	4922	4932	4942	4952	4962	4972	4982	4992	5002	5012	5022	5032	5042	5052	5062	5072	5082	5092	5102	5112	5122	5132	5142	5152	5162	5172	5182	5192	5202	5212	5222	5232	5242	5252	5262	5272	5282	5292	5302	5312	5322	5332	5342	5352	5362	5372	5382	5392	5402	5412	5422	5432	5442	5452	5462	5472	5482	5492	5502	5512	5522	5532	5542	5552	5562	5572	5582	5592	5602	5612	5622	5632	5642	5652	5662	5672	5682	5692	5702	5712	5722	5732	5742	5752	5762	5772	5782	5792	5802	5812	5822	5832	5842	5852	5862	5872	5882	5892	5902	5912	5922	5932	5942	5952	5962	5972	5982	5992	6002	6012	6022	6032	6042	6052	6062	6072	6082	6092	6102	6112	6122	6132	6142	6152	6162	6172	6182	6192	6202	6212	6222	6232	6242	6252	6262	6272	6282	6292	6302	6312	6322	6332	6342	6352	6362	6372	6382	6392	6402	6412	6422	6432	6442	6452	6462	6472	6482	6492	6502	6512	6522	6532	6542	6552	6562	6572	6582	6592	6602	6612	6622	6632	6642	6652	6662	6672	6682	6692	6702	6712	6722	6732	6742	6752	6762	6772	6782	6792	6802	6812	6822	6832	6842	6852	6862	6872	6882	6892	6902	6912	6922	6932	6942	6952	6962	6972	6982	6992	7002	7012	7022	7032	7042	7052	7062	7072	7082	7092	7102	7112	7122	7132	7142	7152	7162	7172	7182	7192	7202	7212	7222	7232	7242	7252	7262	7272	7282	7292	7302	7312	7322	7332	7342	7352	7362	7372	7382	7392	7402	7412	7422	7432	7442	7452	7462	7472	7482	7492	7502	7512	7522	7532	7542	7552	7562	7572	7582	7592	7602	7612	7622	7632	7642	7652	7662	7672	7682	7692	7702	7712	7722	7732	7742	7752	7762	7772	7782	7792	7802	7812	7822	7832	7842	7852	7862	7872	7882	7892	7902	7912	7922	7932	7942	7952	7962	7972	7982	7992	8002	8012	8022	8032	8042	8052	8062	8072	8082	8092	8102	8112	8122	8132	8142	8152	8162	8172	8182	8192	8202	8212	8222	8232	8242	8252	8262	8272	8282	8292	8302	8312	8322	8332	8342	8352	8362	8372	8382	8392	8402	8412	8422	8432	8442	8452	8462	8472	8482	8492	8502	8512	8522	8532	8542	8552	8562	8572	8582	8592	8602	8612	8622	8632	8642	8652	8662	8672	8682	8692	8702	8712	8722	8732	8742	8752	8762	8772	8782	8792	8802	8812	8822	8832	8842	8852	8862	8872	8882	8892	8902	8912	8922	8932	8942	8952	8962	8972	8982	8992	9002	9012	9022	9032	9042	9052	9062	9072	9082	9092	9102	9112	9122	9132	9142	9152	9162	9172	9182	9192	9202	9212	9222	9232	9242	9252	9262	9272	9282	9292	9302	9312	9322	9332	9342	9352	9362	9372	9382	9392	9402	9412	9422	9432	9442	9452	9462	9472	9482	9492	9502	9512	9522	9532	9542	9552	9562	9572	9582	9592	9602	9612	9622	9632	9642	9652	9662	9672	9682	9692	9702	9712	9722	9732	9742	9752	9762	9772	9782	9792	9802	9812	9822	9832	9842	9852	9862	9872	9882	9892	9902	9912	9922	9932	9942	9952	9962	9972	9982	9992	10002

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	$.21 * X +$	2.95	.800
X-WEIGHT	132.22	19.16	$3.09 * Y +$	11.28	

TABLE 119

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND WAIST CIRCUMFERENCE

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
110.50																				1
114.00																				0
111.50																				0
109.00																				0
106.50											2									2
104.00																				1
101.50											1									2
99.00																				0
96.50																				1
94.00												1								4
91.50																				10
89.00																				12
86.50																				19
84.00																				24
81.50																				37
79.00																				75
76.50																				105
74.00																				164
71.50																				180
69.00																				245
66.50																				202
64.00																				139
61.50																				83
59.00																				21
56.50																				4
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	0	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	.29*X +	4.18	.795
X- WEIGHT	132.22	19.16	2.21*Y +	11.61	
			32.671	4.18	
			-24.722	11.61	

TABLE 120

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND HIP CIRCUMFERENCE

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
135.00																				1
132.50																				1
130.00																				0
127.50																				0
125.00																				0
122.50																				2
120.00																				1
117.50																				1
115.00																				3
112.50																				8
110.00																				14
107.50																				31
105.00																				54
102.50																				101
100.00																				166
97.50																				199
95.00																				225
92.50																				190
90.00																				165
87.50																				82
85.00																				54
82.50																				25
80.00																				6
77.50																				2
TOTALS	23	94	177	279	287	213	146	66	19	19	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	.30*X +	55.851	2.71
X- WEIGHT	132.22	19.16	2.72*Y +	-127.587	8.12

TABLE 121

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND VERTICAL TRUNK CIRCUMFERENCE

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOTAL	
186.50																				1	
184.00																					0
181.50																					1
179.00																					0
176.50																					2
174.00																					5
171.50																					15
169.00																					17
166.50																					32
164.00																					67
161.50																					107
159.00																					141
156.50																					173
154.00																					170
151.50																					183
149.00																					163
146.50																					116
144.00																					60
141.50																					42
139.00																					16
136.50																					12
134.00																					6
131.50																					2
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-VERTICAL TRUNK CIRCUMFERENCE	153.84	7.27	$.31 * X + 112.856$	4.27	.309
X-WEIGHT	132.22	19.16	$2.13 * Y + -195.468$	11.27	

TABLE 122

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND INTERSCYE BACK

		WEIGHT																	TOT		
		92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	ALS
47.75	.88																				1
48.75																					0
45.75																					1
44.75																					5
43.75																					12
42.75																					18
41.75																					64
40.75																					103
39.75	3	1	5	11	18	37	45	21	14	2	1									157	
38.75		8	20	50	59	29	22	14	3	3										208	
37.75		7	31	62	61	41	22	6	1	2										233	
36.75	3	18	34	56	42	20	24	1	2	1										201	
35.75	3	25	33	37	33	17	8	3	1											160	
34.75	8	15	22	17	13	4	3	3	1	1										87	
33.75	2	9	7	15	6	2	2	2	1											44	
32.75	2	5	10	7	1	1	1	1												27	
31.75	1	1	2	1	1	1														7	
30.75	1																			3	
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
INTERSCYE BACK	37.86	2.35	$.06^*X +$	2.05	.489
WEIGHT	132.22	19.16	$3.98^*Y +$	16.71	

TABLE 123  
 A BIVARIATE FREQUENCY TABLE FOR  
 HEIGHT AND INTERSCYE FRONT

		WEIGHT																TOT			
		92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	ALS
40.50	.88																				1
40.00	.88																				0
39.50	.88																				0
39.00	.88																				2
38.50	.88																				1
38.00	.88																				3
37.50	.88																				12
37.00	.88																				16
36.50	.88																				23
36.00	.88																				37
35.50	.88																				62
35.00	.88																				84
34.50	.88																				102
34.00	.88																				125
33.50	.88																				140
33.00	.88																				175
32.50	.88																				139
32.00	.88																				141
31.50	.88																				84
31.00	.88																				79
30.50	.88																				50
30.00	.88																				30
29.50	.88																				16
29.00	.88																				4
28.50	.88																				5
TOTALS		23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
INTERSCYE FRONT	33.17	1.75	.05*X +	1.43	.575
HEIGHT	132.22	19.16	6.32*Y +	-77.411	15.67



TABLE 124

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND BACK CURVATURE-BUST

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT	
63.00																					1
61.50																					0
60.00																					0
58.50																					0
57.00																					0
55.50													1								2
54.00													1								2
52.50																					2
51.00																					7
49.50																					16
48.00																					38
46.50																					81
45.00																					129
43.50																					221
42.00																					258
40.50																					262
39.00																					155
37.50																					106
36.00																					40
34.50																					10
33.00																					0
31.50																					0
30.00																					1
TOTALS	23	94	177	279	287	215	146	66	19	15	5	3	2	1	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	$.13^*X +$	2.07	.758
X- WEIGHT	132.22	19.16	$4.58^*Y +$	12.51	

TABLE 125

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND BACK CURVATURE-WAIST

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
58.50	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	1
57.00																				0
55.50												1								1
54.00																				0
52.50											1									1
51.00											1									2
49.50													1							1
48.00														1						2
46.50															1					7
45.00																				15
43.50																				17
42.00																				30
40.50																				46
39.00																				83
37.50																				170
36.00																				225
34.50																				269
33.00																				237
31.50																				148
30.00																				63
28.50																				12
27.00																				1
TOTALS	23	94	177	279	267	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-WAIST	35.31	3.48	$.14 * X +$	2.22	.770
X- WEIGHT	132.22	19.16	$4.24 * Y +$	12.23	

TABLE 126

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND BACK CURVATURE-HIP

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
69.00	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	1
67.50																				0
66.00																				1
64.50																				0
63.00																				0
61.50																				0
60.00																				3
58.50																				4
57.00																				11
55.50																				35
54.00																				37
52.50																				72
51.00																				105
49.50																				188
48.00																				214
46.50																				231
45.00																				192
43.50																				113
42.00																				74
40.50																				36
39.00																				9
37.50																				4
36.00																				1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	0	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	.16*X +	2.26	.797
X- WEIGHT	132.22	19.16	4.09*Y +	11.57	

TABLE 127

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND WAIST BACK

	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT	
WEIGHT																					ALS
51.75																				1	
50.75																				0	
49.75																				4	
48.75																				3	
47.75																				8	
46.75																				20	
45.75																				41	
44.75																				57	
43.75																				85	
42.75																				159	
41.75																				204	
40.75																				177	
39.75																				191	
38.75																				156	
37.75																				112	
36.75																				76	
35.75																				24	
34.75																				10	
33.75																				3	
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST BACK	40.85	2.65	.04*X +	2.91	.321
X- WEIGHT	132.22	19.16	2.32*Y +	18.14	

TABLE 120

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND WAIST FRONT

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
47.75	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	1
46.75				1	1	1	1	1	1	1	1	2								3
45.75							1	1	1	1	2									4
44.75		1					1	2	2	1	1	2								6
43.75				1	3	2	2	1	1	1	1	1								10
42.75			1	1	3	2	2	4	2	4	1	1								18
41.75		1	4	5	5	1	10	3	3	3	1	1								34
40.75		1	1	6	10	5	14	2	1	2	2	1								44
39.75			8	10	15	15	14	10	1	2	2	2								77
38.75	1	5	7	23	38	33	17	12	7	2	2	2								147
37.75	2	6	15	29	38	35	24	15	1	2	1									171
36.75	2	14	29	50	63	26	25	13												223
35.75	5	13	36	56	34	30	9	3					1							187
34.75	3	19	29	41	39	23	11	3	2											170
33.75	4	20	29	38	22	21	6													140
32.75	2	10	11	13	8	7	9													60
31.75	2	4	6	2	7	3	1													26
30.75	1		1	2	1	3														8
29.75						2														2
TOTALS	23	94	177	279	287	213	146	86	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST FRONT	36.74	2.63	.06*X +	28.803	2.40
X- WEIGHT	132.22	19.16	2.96*Y +	23.480	17.51

TABLE 129

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND CROTCH LENGTH

	WEIGHT																	TOT					
	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	282	292	302	ALS
100.25																							1
98.25																							0
96.25																							0
94.25																							0
92.25																							0
90.25																							0
88.25																							2
86.25																							11
84.25																							17
82.25																							37
80.25																							70
78.25																							152
76.25																							165
74.25																							202
72.25																							191
70.25																							184
68.25																							120
66.25																							86
64.25																							34
62.25																							26
60.25																							13
58.25																							10
56.25																							2
54.25																							4
52.25																							4
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CROTCH LENGTH	72.93	5.46	.18*X +	4.22	.635
X- WEIGHT	132.22	19.16	2.23*Y +	14.79	

TABLE 130

A BIVARIATE FREQUENCY TABLE FOR  
WEIGHT AND HEAD CIRCUMFERENCE

WEIGHT	92	102	112	122	132	142	152	162	172	182	192	202	212	222	232	242	252	262	272	TOT
61.00	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	.88	1
60.50					1		1													3
60.00					1		1													1
59.50					1	2	5	2												10
59.00					1	1	2	2												7
58.50					1	1	4	1				1								12
58.00					1	1	1	1				1								31
57.50					2	4	8	6				1								46
57.00					2	2	6	9	15	6										59
56.50					2	4	9	8	6	9	1			1						91
56.00					2	4	15	23	19	12	10			1						119
55.50					3	4	24	38	21	15	7			2						150
55.00					1	6	15	38	33	33	14			2						168
54.50					1	8	25	33	34	28	23			3						162
54.00					2	9	25	39	40	24	12			3						171
53.50					2	11	22	19	14	9	8			2						89
53.00					7	16	17	26	17	11	3			1						98
52.50					3	9	11	16	9	3	3									54
52.00					3	10	12	5	4	2										36
51.50					1	5	2	3	1	1										13
51.00					1	2	2	3												8
50.50																				0
50.00																				1
49.50																				1
TOTALS	23	94	177	279	287	213	146	66	19	15	5	3	2	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - HEAD CIRCUMFERENCE	54.92	1.64	.03*X +	1.50	.405
X - WEIGHT	132.22	19.16	4.73*Y +	-127.574	17.52

TABLE 131

A BIVARIATE FREQUENCY TABLE FOR  
STATURE AND SHOULDER (ACROMIALE) HEIGHT

STATURE

STATURE	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOTAL
155.25																							1
153.25																							0
151.25																				1	1		2
149.25																				2	2	1	5
147.25																				2	3	1	15
145.25																				4	4	1	38
143.25																				2			44
141.25																				6	1		70
139.25																				11	2		109
137.25																				30	8		136
135.25																				49	11	1	165
133.25																				54	14	1	174
131.25																				45	13	2	172
129.25																				71	4	4	140
127.25																				59	44	4	109
125.25																				37	37	3	66
123.25																				47	16	6	54
121.25																				32	12	3	18
119.25																				19	47	3	54
117.25																				8	23	5	12
115.25																				15	7	2	18
TOTALS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	.89*X -	1.49	.968
X-STATURE	162.96	6.52	1.05*Y +	1.62	



TABLE 132

A BIVARIATE FREQUENCY TABLE FOR  
STATURE AND AXILLA HEIGHT

		STATURE																TOTAL						
		142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOTAL
AXILLA HEIGHT	FREQUENCY	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
142.25																								1
140.25																								2
138.25																								2
136.25																								19
134.25																								40
132.25																								42
130.25																								90
128.25																								121
126.25																								150
124.25																								187
122.25																								186
120.25																								173
118.25																								131
116.25																								85
114.25																								62
112.25																								20
110.25																								15
108.25																								4
106.25																								0
104.25																								1
TOTALS		1	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1 1331

SUMMARY STATISTICS

	AXILLA HEIGHT	STATURE	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	AXILLA HEIGHT		123.25	5.58	.83*X -	1.38	.969
X-	STATURE		162.96	6.52	1.13*Y +	1.61	

TABLE 133

A BIVARIATE FREQUENCY TABLE FOR STATURE AND BUSTPOINT HEIGHT

STATURE

STATURE	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOI	ALS
135.50																								1
134.00																								5
132.50																								5
131.00																								15
129.50																								27
128.00																								33
126.50																								44
125.00																								64
123.50																								84
122.00																								121
120.50																								122
119.00																								143
117.50																								139
116.00																								133
114.50																								125
113.00																								82
111.50																								65
110.00																								56
108.50																								35
107.00																								20
105.50																								7
104.00																								1
102.50																								3
101.00																								0
99.50																								1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUSTPOINT HEIGHT	118.30	5.63	$.81 \cdot X -$	1.97	.937
X- STATURE	162.96	6.52	$1.09 \cdot Y +$	2.28	

TABLE 134

A BIVARIATE FREQUENCY TABLE FOR STATURE AND WAIST HEIGHT

STATURE	STATURE																			TOT			
	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178		180	182	184
121.50																							1
120.00																					1		1
118.50																							0
117.00																							0
115.50																							6
114.00																							12
112.50																							20
111.00																							34
109.50																							36
108.00																							67
106.50																							87
105.00																							91
103.50																							141
102.00																							168
100.50																							172
99.00																							136
97.50																							113
96.00																							86
94.50																							71
93.00																							51
91.50																							15
90.00																							13
88.50																							5
87.00																							3
85.50																							2
TOTALS	1	1	6	11	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST HEIGHT	101.39	5.20	.71*X -	2.31	.696
X- STATURE	162.96	6.52	1.12*Y +	2.89	

TABLE 135

A BIVARIATE FREQUENCY TABLE FOR STATURE AND CROTCH HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT	
92.50																								1
91.00																								0
89.50																								4
88.00																								5
86.50																								21
85.00																								24
83.50																								55
82.00																								79
80.50																								111
79.00																								118
77.50																								169
76.00																								191
74.50																								176
73.00																								155
71.50																								90
70.00																								68
68.50																								35
67.00																								14
65.50																								6
64.00																								2
62.50																								1
TOTALS	1	1	6	10	20	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331	

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CROTCH HEIGHT	76.37	4.38	$.58X - 18.149$	2.23	.861
X- STATURE	162.96	6.52	$1.28Y + 65.209$	3.32	

TABLE 136

A BIVARIATE FREQUENCY TABLE FOR STATURE AND BUTTOCK HEIGHT

STATURE	STATURE																TOT ALS						
	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172		174	176	178	180	182	184
103.50																							1
102.00																							0
100.50																							0
99.00																							1
97.50																							8
96.00																							6
94.50																							11
93.00																							30
91.50																							45
90.00																							53
88.50																							98
87.00																							132
85.50																							152
84.00																							171
82.50																							155
81.00																							161
79.50																							125
78.00																							86
76.50																							48
75.00																							34
73.50																							9
72.00																							4
70.50																							1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	BUTTOCK HEIGHT	STATURE	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	83.80		4.67		.59*X -	2.61	.829
X-		162.96	6.52		1.16*Y +	3.64	

TABLE 137

A BIVARIATE FREQUENCY TABLE FOR STATURE AND KNEE HEIGHT

KNEE HEIGHT	STATURE																				TOTAL		
	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180		182	184
57.75																							1
50.75																							2
55.75																							0
54.75																						1	8
53.75																						1	25
52.75																						1	40
51.75																						2	74
50.75																						2	111
49.75																						2	130
48.75																						2	174
47.75																						2	204
46.75																						2	206
45.75																						2	143
44.75																						2	110
43.75																						2	66
42.75																						2	22
41.75																						2	10
40.75																						2	3
39.75																						2	2
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - KNEE HEIGHT	47.90	2.65	.34*X -	1.41	.848
X - STATURE	162.96	6.52	2.09*Y +	62.848	3.46

TABLE 138

A BIVARIATE FREQUENCY TABLE FOR STATURE AND CALF HEIGHT

STATURE

STATURE	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT	
40.75																								1
39.75																								0
38.75																								12
37.75																								25
36.75																								50
35.75																								87
34.75																								120
33.75																								168
32.75																								227
31.75																								219
30.75																								190
29.75																								130
28.75																								55
27.75																								17
26.75																								8
25.75																								2
TOTALS	1	1	6	10	25	39	67	102	140	150	151	161	140	109	78	57	43	24	11	7	2	1	1331	

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CALF HEIGHT	32.55	2.30	$.26^*X -$	1.58	.729
X- STATURE	162.96	6.52	$2.06^*Y +$	4.46	

TABLE 139

A BIVARIATE FREQUENCY TABLE FOR  
STATURE AND SITTING HEIGHT

STATURE	STATURE																			TOT ALS			
	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178		180	182	184
95.75																							3
94.75																							3
93.75																							5
92.75																							12
91.75																							25
90.75																							43
89.75																							63
88.75																							97
87.75																							132
86.75																							147
85.75																							129
84.75																							144
83.75																							119
82.75																							112
81.75																							104
80.75																							67
79.75																							53
78.75																							28
77.75																							25
76.75																							5
75.75																							8
74.75																							5
73.75																							1
72.75																							1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y - SITTING HEIGHT	85.08	3.59	$.42 * X +$	2.30	.767
X - STATURE	162.96	6.52	$1.59 * Y +$	4.18	



TABLE 140

A BIVARIATE FREQUENCY TABLE FOR STATURE AND EYE HEIGHT, SITTING

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
83.75																							3
82.75																							5
81.75																							9
80.75																							11
79.75																							32
78.75																							58
77.75																							80
76.75																							98
75.75																							147.
74.75																							159
73.75																							135
72.75																							140
71.75																							132
70.75																							95
69.75																							93
68.75																							47
67.75																							36
66.75																							22
65.75																							16
64.75																							6
63.75																							4
62.75																							3
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- EYE HEIGHT, SITTING	73.64	3.46	.39*X +	10.086	.739
X- STATURE	162.90	6.52	1.39*Y +	60.599	4.40

TABLE 141  
A BIVARIATE FREQUENCY TABLE FOR  
STATURE AND SHOULDER-ELBOW LENGTH

		STATURE																				TOT	ALS		
		142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184		
39.75																								1	1
38.75																								1	1
37.75																								1	1
36.75																								1	1
35.75																								1	1
34.75																								1	1
33.75																								1	1
32.75																								1	1
31.75																								1	1
30.75																								1	1
29.75																								1	1
28.75																								1	1
27.75																								1	1
TOTALS		1	1	0	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER-ELBOW LENGTH	33.56	1.75	.22*X -	2.286	.808
X- STATURE	162.96	0.52	3.01*Y +	61.928	3.84

TABLE 142

A BIVARIATE FREQUENCY TABLE FOR STATURE AND ELBOW-FINGERTIP LENGTH

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	180	182	184	TOT	
53.75																							2
49.75																							9
48.75																							23
47.75																							48
46.75																							85
45.75																							127
44.75																							177
43.75																							231
42.75																							219
41.75																							197
40.75																							125
39.75																							58
38.75																							23
37.75																							6
36.75																							1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ELBOW-FINGERTIP LENGTH	43.52	2.28	$.26X +$	1.148	.731
X- STATURE	162.96	6.52	$2.09*Y +$	1.56	
				4.45	

TABLE 143

A BIVARIATE FREQUENCY TABLE FOR  
STATURE AND KNEE HEIGHT, SITTING

		STATURE																						
		142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
60.75																								1
59.75																								0
58.75																								5
57.75																								9
56.75																								17
55.75																								50
54.75																								74
53.75																								105
52.75																								142
51.75																								186
50.75																								212
49.75																								185
48.75																								157
47.75																								91
46.75																								62
45.75																								28
44.75																								3
43.75																								4
TOTALS		1	1	6	11	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

Y-	KNEE HEIGHT, SITTING	MEAN	STU	DEV	REGRESSION EQUATIONS	SE-EST	R
X-	STATURE	50.99	2.60		.34*X -	1.34	.857
		162.96	6.52		2.15*Y +	3.36	
					4.413		
					53.324		

TABLE 144

A BIVARIATE FREQUENCY TABLE FOR STATURE AND POPLITEAL HEIGHT

STATURE

POPLITEAL HEIGHT	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT		
49.75																								2	
47.75																									12
46.75																									29
45.75																									60
44.75																									95
43.75																									121
42.75																									200
41.75																									217
40.75																									240
39.75																									167
38.75																									96
37.75																									58
36.75																									24
35.75																									7
34.75																									3
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	139	70	57	43	24	11	7	2	1	1331		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - POPLITEAL HEIGHT	41.68	2.35	$.31^*X -$	0.833	
X - STATURE	162.96	0.52	$2.35^*Y +$	1.25	0.847
				3.47	

TABLE 145

A BIVARIATE FREQUENCY TABLE FOR STATURE AND BUTTOCK-KNEE LENGTH

STATURE	BUTTOCK-KNEE LENGTH																TOTAL						
	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172		174	176	178	180	182	184
60.75																							1
67.75																							2
60.75																							3
65.75																							7
64.75																							21
63.75																							33
62.75																							46
61.75																							71
60.75																							106
59.75																							124
58.75																							146
57.75																							163
56.75																							179
55.75																							137
54.75																							123
53.75																							78
52.75																							35
51.75																							22
50.75																							12
49.75																							1
48.75																							1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	144	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK-KNEE LENGTH	57.85	3.06	.36*X -	.815	.761
X- STATURE	162.96	6.52	1.02*Y +	69.242	4.23

TABLE 146

A BIVARIATE FREQUENCY TABLE FOR  
STATURE AND SHOULDER CIRCUMFERENCE

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT	
133.00																								1
130.50																								0
134.00																								0
131.50																								0
129.00																								0
126.50																								0
124.00																								2
121.50																								2
119.00																								1
116.50																								6
114.00																								7
111.50																								28
109.00																								70
106.50																								117
104.00																								186
101.50																								241
99.00																								230
96.50																								205
94.00																								143
91.50																								64
89.00																								23
86.50																								5
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER CIRCUMFERENCE	100.39	5.46	.28*X +	5.15	.333
X- STATURE	162.96	6.52	.40*Y +	6.15	

TABLE 147

A BIVARIATE FREQUENCY TABLE FOR STATURE AND BUST CIRCUMFERENCE

STATURE	STATURE																TOT ALS						
	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172		174	176	178	180	182	184
123.50																							1
127.00																							0
129.50																							0
132.00																							0
134.50																							1
137.00																							0
139.50																							3
142.00																							0
144.50																							3
147.00																							0
149.50																							3
152.00																							7
154.50																							9
157.00																							14
159.50																							42
162.00																							74
164.50																							108
167.00																							177
169.50																							189
172.00																							205
174.50																							186
177.00																							167
179.50																							88
182.00																							46
184.50																							8
TOTALS	1	1	0	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	.24*X +	6.23	.242
X- STATURE	162.96	6.52	.25*Y +	6.33	



TABLE 148

A BIVARIATE FREQUENCY TABLE FOR  
STATURE AND WAIST CIRCUMFERENCE

STATURE		STATURE																				TOT		
		142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
116.50																								1
114.00																								0
111.50																								0
109.00																								0
106.50																								2
104.00																								1
101.50																								2
99.00																								0
96.50																								1
94.00																								4
91.50																								10
89.00																								12
86.50																								19
84.00																								24
81.50																								37
79.00																								75
76.50																								105
74.00																								164
71.50																								180
69.00																								202
66.50																								139
64.00																								63
61.50																								21
59.00																								4
55.50																								4
TOTALS		1	1	6	10	25	39	67	102	140	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	.22*X +	6.74	.211
X- STATURE	162.96	6.52	.20*Y +	6.37	

TABLE 149

A BIVARIATE FREQUENCY TABLE FOR STATURE AND HIP CIRCUMFERENCE

STATURE

STATURE	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT	
135.00																								1
132.50																								1
130.00																								0
127.50																								0
125.00																								0
122.50																								2
120.00																								1
117.50																								1
115.00																								3
112.50																								8
110.00																								14
107.50																								31
105.00																								54
102.50																								101
100.00																								166
97.50																								199
95.00																								225
92.50																								190
90.00																								165
87.50																								82
85.00																								54
82.50																								25
80.00																								6
77.50																								2
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331	

SUMMARY STATISTICS

	MEAN	STU	DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39		.41*X + 28.704	5.81	.415
X- STATURE	162.96	6.52		.42*Y + 122.841	5.93	

TABLE 150

A BIVARIATE FREQUENCY TABLE FOR  
STATURE AND VERTICAL TRUNK CIRCUMFERENCE

STATURE																						TOT	
		142	144	146	148	150	152	154	156	158	160	162	164	166	170	172	174	176	178	180	182	184	TOT
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
186.50																							1
184.50																							0
181.50																							1
179.00																							0
176.50																							2
174.00																							5
171.50																							15
169.00																							17
166.50																							32
164.00																							67
161.50																							107
159.00																							141
156.50																							170
154.00																							183
151.50																							163
149.00																							116
146.50																							60
144.00																							42
141.50																							16
139.00																							12
136.50																							6
134.00																							2
131.50																							2
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-VERTICAL TRUNK CIRCUMFERENCE	153.84	7.27	.73*X +	5.48	.657
X-STATURE	162.96	6.52	.59*Y +	4.92	

TABLE 151

A BIVARIATE FREQUENCY TABLE FOR STATURE AND INTERSCYE BACK

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
47.75																							1
48.75																							0
49.75																							1
50.75																							5
51.75																							12
52.75																							18
53.75																							64
54.75																							103
55.75																							157
56.75																							208
57.75																							233
58.75																							201
59.75																							160
60.75																							87
61.75																							44
62.75																							27
63.75																							7
64.75																							3
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INTERSCYE BACK	37.86	2.35	.10*X + 21.562	2.26	.279
X- STATURE	162.96	6.52	.77*Y + 133.808	6.26	

TABLE 152

A BIVARIATE FREQUENCY TABLE FOR STATURE AND INTERSCYE FRONT

		STATURE																				TOT		
		142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
40.50	1																							1
40.00																								0
39.50																								0
39.00																								2
38.50																								1
38.00																								3
37.50																								12
37.00																								16
36.50																								23
36.00																								37
35.50																								62
35.00																								84
34.50																								102
34.00																								125
33.50																								140
33.00																								175
32.50																								139
32.00																								141
31.50																								84
31.00																								79
30.50																								50
30.00																								30
29.50																								16
29.00																								4
28.50																								5
TOTALS	1	1	5	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INTERSCYE FRONT	33.17	1.75	$.10 * X +$	1.61	.389
X- STATURE	162.96	6.52	$1.42 * Y +$	6.01	

TABLE 153

A BIVARIATE FREQUENCY TABLE FOR STATURE AND BACK CURVATURE-BUST

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
63.00																							1
61.50																							0
60.00																							0
58.50																							0
57.00																							0
55.50																							2
54.00																							2
52.50																							2
51.00																							7
49.50																							16
48.00																							38
46.50																							81
45.00																							129
43.50																							221
42.00																							258
39.00																							262
37.50																							155
36.00																							106
34.50																							40
33.00																							10
31.50																							0
30.00																							0
TOTALS	1	1	0	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	.11*X + 24.0046	3.09	.220
X- STATURE	162.96	6.52	.45*Y + 144.071	6.36	

TABLE 154

A BIVARIATE FREQUENCY TABLE FOR STATURE AND BACK CURVATURE-WAIST

STATURE		STATURE																TOT						
		142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
50.50																								1
57.00																								0
55.50																								1
54.00																								0
52.50																								1
51.00																								2
49.50																								1
48.00																								2
46.50																								7
45.00																								15
43.50																								17
42.00																								30
44.50																								46
39.00																								83
37.50																								170
36.00																								225
34.50																								269
33.00																								237
31.50																								148
30.00																								63
28.50																								12
27.00																								1
TOTALS		1	6	10	25	39	67	102	146	150	151	161	149	109	78	57	43	24	11	7	2	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-WAIST	35.31	3.48	.11*X +	17.381	.203
X- STATURE	162.96	6.52	.38*Y +	149.542	6.39

TABLE 155

A BIVARIATE FREQUENCY TABLE FOR STATURE AND BACK CURVATURE-HIP

STATURE

BACK CURVATURE-HIP	142	144	146	148	150	152	154	156	158	160	162	164	166	170	172	174	176	178	180	182	184	TOT
69.00																						1
67.50																						0
66.00													1									1
64.50																						0
63.00																						0
61.50																						0
60.00																						0
59.50																						3
57.00																						4
55.50																						11
54.00																						35
52.50																						37
51.00																						72
49.50																						105
48.00																						188
46.50																						214
45.00																						231
43.50																						192
42.00																						113
40.50																						74
39.00																						36
37.50																						9
36.00																						4
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	.19*X +	16.544	.323
X- STATURE	162.96	6.52	.56*Y +	136.355	6.17



TABLE 156

A BIVARIATE FREQUENCY TABLE FOR STATURE AND WAIST BACK

STATURE

STATURE	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
51.75																							1
50.75																							0
49.75																							4
48.75																							3
47.75																							8
46.75																							20
45.75																							41
44.75																							57
43.75																							85
42.75																							159
41.75																							204
40.75																							177
39.75																							191
38.75																							156
37.75																							112
36.75																							76
35.75																							24
34.75																							10
33.75																							3
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	144	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST BACK	40.85	2.65	$.21 * X + 6.631$	2.27	.521
X- STATURE	162.96	0.52	$1.28 * Y + 110.667$	5.57	

TABLE 157

A BIVARIATE FREQUENCY TABLE FOR  
STATURE AND WAIST FRONT

STATURE	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
47.75	1																						1
48.75																							3
49.75																							4
50.75																							6
51.75																							10
52.75																							18
53.75																							34
54.75																							44
55.75																							77
56.75																							147
57.75																							171
58.75																							223
59.75																							187
60.75																							170
61.75																							140
62.75																							60
63.75																							26
64.75																							8
65.75																							2
TOTALS	1	1	6	10	25	39	67	102	146	190	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y -	36.74	2.63	.17*X +	12.292	.370
X -	162.96	0.52	.92*Y +	129.161	6.06

TABLE 158

A BIVARIATE FREQUENCY TABLE FOR  
STATURE AND AXILLA TO WAIST

		STATURE																TOT						
		142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
34.75	1																							1
33.75	1																							0
32.75	1																							1
31.75	5																							5
30.75	13																							13
29.75	11																							11
28.75	29																							29
27.75	62																							62
26.75	100																							100
25.75	154																							154
24.75	213																							213
23.75	197																							197
22.75	213																							213
21.75	172																							172
20.75	94																							94
19.75	37																							37
17.75	14																							14
16.75	4																							4
TOTALS		1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- AXILLA TO WAIST	23.10	2.52	.11*X +	2.41	.286
X- STATURE	162.96	6.52	.74*Y +	6.25	

TABLE 159

A BIVARIATE FREQUENCY TABLE FOR STATURE AND SLEEVE INSEAM

STATURE	STATURE																			TOTAL				
	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178		180	182	184	184
54.75																								1
53.75																								1
52.75																								5
51.75																								11
50.75																								23
49.75																								35
48.75																								81
47.75																								93
46.75																								169
45.75																								174
44.75																								200
43.75																								204
42.75																								144
41.75																								110
40.75																								49
39.75																								21
38.75																								5
37.75																								4
36.75																								1
TOTALS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1331

SUMMARY STATISTICS

	SLEEVE INSEAM	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	STATURE	45.05	2.61	$.30 \cdot X -$	1.74	.745
X-		162.96	6.52	$1.86 \cdot Y +$	4.35	

TABLE 160

A BIVARIATE FREQUENCY TABLE FOR STATURE AND SLEEVE OUTSEAM

		STATURE																TOT						
		142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	ALS
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
61.75																								2
63.75																								0
62.75																								1
61.75																								4
63.75																								13
59.75																								32
53.75																								44
57.75																								78
56.75																								99
55.75																								130
54.75																								157
53.75																								174
52.75																								161
51.75																								172
53.75																								124
48.75																								72
47.75																								36
46.75																								16
45.75																								10
44.75																								5
TOTALS		1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	67	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SLEEVE OUTSEAM	53.80	2.96	.36*X -	1.85	.782
X- STATURE	162.96	6.52	1.72*Y +	4.07	

TABLE 161

A BIVARIATE FREQUENCY TABLE FOR STATURE AND CROTCH LENGTH

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT		
100.25																								1	
98.25																									0
96.25																									0
94.25																									0
92.25																									0
90.25																									0
88.25																									2
86.25																									11
84.25																									17
82.25																									37
80.25																									70
78.25																									152
76.25																									165
74.25																									202
72.25																									191
70.25																									184
68.25																									120
66.25																									86
64.25																									34
62.25																									26
60.25																									13
58.25																									10
56.25																									2
54.25																									4
52.25																									4
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CROTCH LENGTH	72.93	5.46	.36*X +	4.94	.425
X- STATURE	162.96	6.52	.21*Y +	5.90	

TABLE 162

A BIVARIATE FREQUENCY TABLE FOR STATURE AND HEAD CIRCUMFERENCE

STATURE	STATURE																			TOTAL			
	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178		180	182	184
61.00																							1
60.50																							3
60.00																							1
59.50																							10
59.00																							7
58.50																							12
58.00																							31
57.50																							46
57.00																							59
56.50																							91
56.00																							119
55.50																							150
55.00																							168
54.50																							162
54.00																							171
53.50																							89
53.00																							98
52.50																							54
52.00																							36
51.50																							13
51.00																							8
50.50																							0
50.00																							1
49.50																							1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	144	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEAD CIRCUMFERENCE	54.92	1.64	.09*X +	1.52	.365
X- STATURE	162.96	6.52	1.45*Y +	6.07	

TABLE 163

A BIVARIATE FREQUENCY TABLE FOR STATURE AND HAND LENGTH

STATURE	STATURE																TOT						
	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172		174	176	178	180	182	184
20.30																							3
20.00																							4
19.70																							10
19.40																							27
19.10																							40
18.80																							45
18.50																							84
18.20																							106
17.90																							146
17.60																							171
17.30																							168
17.00																							174
16.70																							141
16.40																							101
16.10																							62
15.80																							27
15.50																							15
15.20																							5
14.90																							2
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	17.44	.90	.09*X +	.70	.634
X-	15.96	6.52	4.58*Y +	5.04	



TABLE 164

A BIVARIATE FREQUENCY TABLE FOR STATURE AND FOOT LENGTH

STATURE

STATURE	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT	
30.00																								1
29.50																								0
29.00																								0
28.50																								1
28.00																								5
27.50																								16
27.00																								15
26.50																								48
26.00																								95
25.50																								115
25.00																								169
24.50																								206
24.00																								205
23.50																								195
23.00																								130
22.50																								75
22.00																								56
21.50																								13
21.00																								6
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- FOOT LENGTH	24.32	1.25	$.13X +$	.90	.694
X- STATURE	162.96	9.52	$3.62Y +$	4.70	

TABLE 165

A BIVARIATE FREQUENCY TABLE FOR STATURE AND ANKLE HEIGHT

STATURE

ANKLE HEIGHT	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
15.00																							1
14.70																							0
14.40																							3
14.10									1														7
13.80																							2
13.50																							2
13.20																							17
12.90																							17
12.60																							36
12.30																							34
12.00																							66
11.70																							105
11.40																							150
11.10																							133
10.80																							166
10.50																							159
10.20																							119
9.90																							75
9.60																							50
9.30																							28
9.00																							19
8.70																							4
8.40																							1
3.10																							1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ANKLE HEIGHT	10.86	1.02	$.08 * X - 2.180$	.88	.504
X- STATURE	162.96	6.52	$3.23 * Y + 127.893$	5.63	

TABLE 166

A BIVARIATE FREQUENCY TABLE FOR  
STATURE AND SPHYRION HEIGHT

STATURE

	142	144	146	148	150	152	154	156	158	160	162	164	166	168	170	172	174	176	178	180	182	184	TOT
8.45																							1
8.25																							1
8.05										1													1
7.85										1													1
7.65										1													1
7.45										1													1
7.25										1													1
7.05										1													1
6.85										1													1
6.65										1													1
6.45										1													1
6.25										1													1
6.05										1													1
5.85										1													1
5.65										1													1
5.45										1													1
5.25										1													1
5.05										1													1
4.85										1													1
4.65										1													1
TOTALS	1	1	6	10	25	39	67	102	146	150	151	161	140	109	78	57	43	24	11	7	2	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SPHYRION HEIGHT	6.46	.54	.03X +	.50	.401
X- STATURE	162.96	6.52	4.62*Y +	5.97	

TABLE 167

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER (ACROMIALE) HEIGHT AND AXILLA HEIGHT

SHOULDER (ACROMIALE) HEIGHT

	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	TOT
142.25																						1
140.25																			1	1		2
138.25																			1	1		2
136.25																						19
134.25																						40
132.25																						42
130.25																						90
128.25																						121
126.25																						150
124.25																						187
122.25																						186
120.25																						173
116.25																						131
116.25																						85
114.25																						62
112.25																						20
110.25																						15
108.25																						4
106.25																						0
104.25																						1
TOTALS	1	0	12	18	54	66	109	140	172	174	165	136	109	70	44	38	15	5	2	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- AXILLA HEIGHT	123.25	5.58	.92*X +	.89	.987
X-SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	1.00*Y +	2.842	.96

TABLE 168

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER (ACROMIALE) HEIGHT AND BUSTPOINT HEIGHT

SHOULDER (ACROMIALE) HEIGHT

SHOULDER (ACROMIALE) HEIGHT	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	157	TOTALS		
135.50																								1	
134.00																									5
132.50																									5
131.00																									15
129.50																									27
128.00																									33
126.50																									44
125.00																									64
123.50																									84
122.00																									121
120.50																									122
119.00																									143
117.50																									139
116.00																									133
114.50																									125
113.00																									82
111.50																									65
110.00																									56
108.50																									35
107.00																									20
105.50																									7
104.00																									1
102.50																									3
101.00																									0
99.50																									1
TOTALS	1	0	12	18	54	66	109	140	172	174	165	136	109	70	44	38	15	5	2	0	1	1331			

SUMMARY STATISTICS

	MEAN	STJ DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUSTPOINT HEIGHT	116.30	5.63	.89*X -	.511	1.65
X-SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	1.01*Y +	14.012	1.97

TABLE 169

A BIVARIATE FREQUENCY TABLE FOR  
 SHOULDER (ACROMIAL) HEIGHT AND WAIST HEIGHT

SHOULDER (ACROMIAL) HEIGHT

SHOULDER (ACROMIAL) HEIGHT	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	TOTAL	
121.50																							
120.00																							
118.50																							
117.00																							
115.50																							
114.00																							
112.50																							
111.00																							
109.50																							
108.00																							
106.50																							
105.00																							
103.50																							
102.00																							
100.50																							
99.00																							
97.50																							
96.00																							
94.50																							
93.00																							
91.50																							
90.00																							
88.50																							
87.00																							
85.50																							
TOTALS	1	0	12	18	54	66	109	140	172	174	165	136	109	70	44	38	15	5	2	0	1	1331	

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST HEIGHT	101.39	5.20	$.77X - 1.397$	2.37	.890
X- SHOULDER (ACROMIAL) HEIGHT	133.49	6.00	$1.03Y + 29.058$	2.73	

TABLE 170

A BIVARIATE FREQUENCY TABLE FOR SHOULDER (ACROMIALE) HEIGHT AND CROTCH HEIGHT

SHOULDER (ACROMIALE) HEIGHT

SHOULDER (ACROMIALE) HEIGHT	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	TOT	
92.50																							1
91.00																							0
89.50																							4
88.00																							5
86.50																							21
85.00																							24
83.50																							55
82.00																							79
80.50																							111
79.00																							118
77.50																							169
76.00																							191
74.50																							176
73.00																							155
71.50																							96
70.00																							68
68.50																							35
67.00																							14
65.50																							6
64.00																							2
62.50																							1
TOTALS	1	0	12	18	54	66	109	140	172	174	185	136	149	70	44	38	15	5	2	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - CROTCH HEIGHT	76.37	4.38	.63*X -	2.17	.859
X - SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	1.19*Y +	2.97	

TABLE 171

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER (ACROMIALE) HEIGHT AND SHOULDER BREADTH

SHOULDER (ACROMIALE) HEIGHT

	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	TOT	
55.75																							1
54.75																							0
53.75																							0
52.75																							1
51.75																							0
50.75																							1
49.75																							1
48.75																							1
47.75																							5
46.75																							7
45.75																							19
44.75																							60
43.75																							120
42.75																							159
41.75																							236
40.75																							239
39.75																							192
38.75																							153
37.75																							79
36.75																							46
TOTALS	1	0	12	18	54	66	109	140	172	174	165	136	109	70	44	38	15	5	2	0	1	1331	

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER BREADTH	42.05	2.24	.15*X +	22.022	.390
X-SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	1.05*Y +	89.342	5.52



TABLE 172

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER (ACROMIALE) HEIGHT AND SHOULDER CIRCUMFERENCE

SHOULDER (ACROMIALE) HEIGHT

SHOULDER (ACROMIALE) HEIGHT	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	TOT	
139.00																							1
136.50																							0
134.00																							0
131.50																							0
129.00																							0
126.50																							0
124.00																							0
121.50																							2
119.00																							2
116.50																							1
114.00																							6
111.50																							7
109.00																							20
106.50																							70
104.00																							117
101.50																							186
99.00																							241
96.50																							230
94.00																							205
91.50																							143
89.00																							64
86.50																							23
TOTALS	1	0	12	18	54	60	109	140	172	174	165	136	109	70	44	38	15	5	2	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER CIRCUMFERENCE	100.39	5.46	.32*X +	57.671	5.11
X-SHOULDER (ACROMIALE) HEIGHT	133.49	6.00	.39*Y +	94.339	5.61
					.354

TABLE 173  
 A BIVARIATE FREQUENCY TABLE FOR  
 AXILLA HEIGHT AND BUSTPOINT HEIGHT

AXILLA HEIGHT	BUSTPOINT HEIGHT																	TOT ALS			
	104 .25	106 .25	108 .25	110 .25	112 .25	114 .25	116 .25	118 .25	120 .25	122 .25	124 .25	126 .25	128 .25	130 .25	132 .25	134 .25	136 .25		138 .25	140 .25	142 .25
135.50																					1
134.00																					5
132.50																					5
131.00																					15
129.50																					27
128.00																					33
126.50																					44
125.00																					64
123.50																					84
122.00																					121
120.50																					122
119.00																					143
117.50																					139
116.00																					133
114.50																					125
113.00																					82
111.50																					65
110.00																					56
108.50																					35
107.00																					20
105.50																					7
104.00																					1
102.50																					3
101.00																					0
99.50																					1
TOTALS	1	0	4	15	20	62	85	131	173	166	187	150	121	90	42	40	19	2	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUSTPOINT HEIGHT	118.30	5.63	$.96 * X - .027$	1.66	.955
X- AXILLA HEIGHT	123.25	5.58	$.95 * Y + 10.872$	1.65	

TABLE 174

A BIVARIATE FREQUENCY TABLE FOR  
AXILLA HEIGHT AND CHEST CIRCUMFERENCE AT SCYE

AXILLA HEIGHT

AXILLA HEIGHT	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	TOT		
120.25																						1	
118.25																							0
116.25																							0
114.25																							0
112.25																							0
110.25																							1
108.25																							1
106.25																							1
104.25																							1
102.25																							1
100.25																							1
98.25																							2
96.25																							7
94.25																							9
92.25																							30
90.25																							27
88.25																							86
86.25																							131
84.25																							178
82.25																							183
80.25																							217
78.25																							169
76.25																							152
74.25																							86
72.25																							38
TOTALS	1	0	4	15	20	62	85	131	173	180	187	150	121	90	42	40	19	2	2	1	1331	2	

SUMMARY STATISTICS

	MEAN	STJ DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	$.26^*X + 53.503$	4.99	.278
X-AXILLA HEIGHT	123.25	5.58	$.30^*Y + 97.588$	5.36	

TABLE 175

A BIVARIATE FREQUENCY TABLE FOR  
AXILLA HEIGHT AND ARM SCYE CIRCUMFERENCE

AXILLA HEIGHT

ARM SCYE CIRCUMFERENCE	100	108	110	112	114	116	118	120	122	124	126	126	130	132	134	136	138	140	142	TOT	
AXILLA HEIGHT	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS	
51.75																				1	
50.75																				0	
49.75																				0	
48.75																				0	
47.75																				1	
46.75																				1	
45.75																				3	
44.75																				7	
43.75																				11	
42.75																				20	
41.75																				41	
40.75																				76	
39.75																				122	
38.75																				188	
37.75																				226	
36.75																				205	
35.75																				210	
34.75																				124	
33.75																				61	
32.75																				25	
31.75																				7	
30.75																				2	
TOTALS	1	0	4	15	20	62	85	131	173	186	187	150	121	90	42	40	19	2	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ARM SCYE CIRCUMFERENCE	37.52	2.42	.16*X +	17.799	2.26
X- AXILLA HEIGHT	123.25	5.58	.83*Y +	92.111	5.20

TABLE 176

A BIVARIATE FREQUENCY TABLE FOR  
AXILLA AXILLA TO WAIST

AXILLA HEIGHT

	104	106	108	110	112	114	116	118	120	122	124	126	128	130	132	134	136	138	140	142	TOT	
34.75																					1	
33.75																						0
32.75																						1
31.75																						5
30.75																						13
29.75																						11
28.75																						11
27.75																						29
26.75																						62
25.75																						100
24.75																						154
23.75																						213
22.75																						197
21.75																						213
20.75																						172
19.75																						94
18.75																						37
17.75																						14
16.75																						4
TOTALS	1	4	4	15	20	62	85	131	173	186	167	150	121	90	42	40	19	2	2	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- AXILLA TO WAIST	23.10	2.52	.14*X +	2.39	.311
X- AXILLA HEIGHT	123.25	5.58	.69*Y +	107.315	5.30

TABLE 177

A BIVARIATE FREQUENCY TABLE FOR  
BUSTPOINT HEIGHT AND WAIST HEIGHT

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOT		
121.50																												
120.00																												
118.50																												
117.00																												
115.50																												
114.00																												
112.50																												
109.50																												
108.00																												
106.50																												
105.00																												
103.50																												
102.00																												
100.50																												
99.00																												
97.50																												
96.00																												
94.50																												
93.00																												
91.50																												
90.00																												
88.50																												
87.00																												
85.50																												
TOTALS	1	0	3	1	7	20	35	56	65	82	125	100	139	143	122	121	84	64	44	33	27	10	5	5	1	1331		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST HEIGHT	101.39	5.20	.82*X +	4.388	2.45
X- BUSTPOINT HEIGHT	118.30	5.63	.95*Y +	21.975	2.65

TABLE 178

A BIVARIATE FREQUENCY TABLE FOR  
BUSTPOINT HEIGHT AND CROTCH HEIGHT

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOT	
92.50																											
91.00																											
89.50																											
88.00																											
86.50																											
85.00																											
83.50																											
82.00																											
80.50																											
79.00																											
77.50																											
76.00																											
74.50																											
73.00																											
71.50																											
70.00																											
68.50																											
67.00																											
65.50																											
64.00																											
62.50																											
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	84	44	33	27	15	5	5	1	1331	

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	76.37	4.38	.68X -	2.08	.880
X-	118.30	5.63	1.13*Y +	2.68	

TABLE 179

A BIVARIATE FREQUENCY TABLE FOR  
BUSTPOINT HEIGHT AND BUTTOCK HEIGHT

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	127	129	131	132	134	135	TOT	ALS		
103.50																										1	0	
102.00																											0	0
100.50																											1	1
99.00																											0	0
97.50																											1	1
96.00																											0	0
94.50																											6	6
93.00																											11	11
91.50																											30	30
90.00																											45	45
88.50																											53	53
87.00																											98	98
85.50																											132	132
84.00																											152	152
82.50																											171	171
81.00																											155	155
79.50																											161	161
78.00																											125	125
76.50																											86	86
75.00																											48	48
73.50																											34	34
72.00																											9	9
70.50																											4	4
TOTALS	1	0	3	1	7	20	35	50	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1	1331	1	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK HEIGHT	83.80	4.67	.71*X -	2.42	.655
X- BUSTPOINT HEIGHT	118.30	5.63	1.03*Y +	31.987	2.92



TABLE 180

A BIVARIATE FREQUENCY TABLE FOR  
BUSTPOINT HEIGHT AND BUST DEPTH

BUSIPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOT
32.75																										3
31.75																										1
30.75																										2
29.75																										6
28.75					1																					11
27.75					1																					24
26.75			2																							55
25.75																										92
24.75																										135
23.75																										225
22.75			1																							224
21.75																										239
20.75																										181
19.75																										95
18.75																										35
17.75																										2
16.75																										0
15.75																										1
TOTALS	1	0	3	1	7	20	35	56	82	125	133	139	143	122	121	94	64	44	33	27	15	5	5	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	22.92	2.23	$Y = 0.4X + 10.197$	2.21	.100
X-	116.50	5.63	$X = 0.27Y + 112.107$	5.59	

TABLE 181

A BIVARIATE FREQUENCY TABLE FOR  
BUSTPOINT HEIGHT AND CHEST BREADTH

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOT		
40.75																												
39.75																												0
38.75																												1
37.75																												0
36.75																												0
35.75																												0
34.75																												3
33.75																												6
32.75																												22
31.75																												44
30.75																												85
29.75																												211
28.75																												271
27.75																												272
26.75																												239
25.75																												124
24.75																												46
23.75																												6
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1	1331		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CHEST BREADTH	28.25	1.80	.06*X +	21.150	1.82
X- BUSTPOINT HEIGHT	118.30	5.63	.59*Y +	101.630	5.52
					.193

TABLE 182

A BIVARIATE FREQUENCY TABLE FOR  
BUSTPOINT HEIGHT AND SHOULDER CIRCUMFERENCE

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOT
139.00																										1
136.50																										0
134.00																										0
131.50																										0
129.00																										0
126.50																										0
124.00																										2
121.50																										2
119.00																										1
116.50																										6
114.00																										7
111.50																										28
109.00																										70
106.50																										117
104.00																										186
101.50																										241
99.00																										230
96.50																										205
94.00																										143
91.50																										64
89.00																										23
86.50																										5
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER CIRCUMFERENCE	106.39	5.46	.27*X +	5.25	.273
X- BUSTPOINT HEIGHT	118.30	5.63	.28*Y +	5.41	

TABLE 183

A BIVARIATE FREQUENCY TABLE FOR  
BUSTPOINT HEIGHT AND CHEST CIRCUMFERENCE AT SCYE

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOI	ALS		
120.25																													
118.25																													
116.25																													
114.25																													
112.25																													
110.25																													
108.25																													
106.25																													
104.25																													
102.25																													
100.25																													
98.25																													
96.25																													
94.25																													
92.25																													
90.25																													
88.25																													
86.25																													
84.25																													
82.25																													
80.25																													
78.25																													
76.25																													
74.25																													
72.25																													
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	64	64	44	33	27	15	5	5	1	1331			

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	.21*X +	60.706	.233
X-BUSTPOINT HEIGHT	118.30	5.63	.25*Y +	96.908	

TABLE 184

A BIVARIATE FREQUENCY TABLE FOR  
BUSTPOINT HEIGHT AND BUST CIRCUMFERENCE

BUST CIRCUMFERENCE	BUSTPOINT HEIGHT															TOTAL										
	99	101	102	104	107	108	110	111	113	114	116	117	119	120	122		123	125	126	128	129	131	132	134	135	135
129.50																										1
127.00																										0
124.50																										0
122.00																										0
119.50																										1
117.00																										0
114.50																										3
112.00																										0
109.50																										3
107.00																										3
104.50																										7
102.00																										9
99.50																										14
97.00																										42
94.50																										74
92.00																										108
89.50																										177
87.00																										189
84.50																										205
82.00																										186
79.50																										88
77.00																										46
74.50																										8
72.00																										2
69.50																										1
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	.20X + 64.55	6.33	.175
X- BUSTPOINT HEIGHT	118.30	7.63	.15*Y + 109.003	5.54	

TABLE 185

A BIVARIATE FREQUENCY TABLE FOR  
BUSTPOINT HEIGHT AND CHEST CIRCUMFERENCE BELOW BUST

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOTAL	
108.25																										1	
106.25																											0
104.25																											0
102.25																											1
100.25																											0
98.25																											1
96.25																											0
94.25																											1
92.25																											0
90.25																											0
88.25																											2
86.25																											11
84.25																											5
82.25																											40
80.25																											58
78.25																											92
76.25																											149
74.25																											195
72.25																											252
70.25																											175
68.25																											168
66.25																											121
64.25																											38
62.25																											4
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1	1331	

SUMMARY STATISTICS

	MEAN	STU	DEV	REGRESSION	EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02		.21*X +	49.978	4.88	.23b
X- BUSTPOINT HEIGHT	118.30	5.63		.20*Y +	98.842	5.47	

TABLE 186

A BIVARIATE FREQUENCY TABLE FOR  
BUSTPOINT HEIGHT AND WAIST CIRCUMFERENCE

BUSTPOINT HEIGHT

	99	101	102	104	105	107	108	110	111	113	114	116	117	119	120	122	123	125	126	128	129	131	132	134	135	TOT
116.50																										1
114.00																										0
111.50																										0
109.00																										0
106.50																										2
104.00																										1
101.50																										2
99.00																										0
96.50																										1
94.00																										4
91.50																										10
89.00																										12
86.50																										19
84.00																										24
81.50																										37
79.00																										75
76.50																										105
74.00																										164
71.50																										180
69.00																										245
66.50																										202
64.00																										139
61.50																										83
59.00																										21
56.50																										4
TOTALS	1	0	3	1	7	20	35	56	65	82	125	133	139	143	122	121	84	64	44	33	27	15	5	5	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	$.20^*X + 47.355$	6.80	.105
X- BUSTPOINT HEIGHT	118.30	5.63	$.13^*Y + 109.064$	5.55	

TABLE 187

A BIVARIATE FREQUENCY TABLE FOR  
 WAIST HEIGHT AND CROTCH HEIGHT

WAIST HEIGHT

	85	87	88	90	91	93	94	96	97	99	100	102	103	105	106	108	109	111	112	114	115	117	118	120	121	TOT
92.50																										
91.00																										
89.50																										
88.00																										
86.50																										
85.00																										
83.50																										
82.00																										
80.50																										
79.00																										
77.50																										
76.00																										
74.50																										
73.00																										
71.50																										
70.00																										
68.50																										
67.00																										
65.50																										
64.00																										
62.50																										
TOTALS	2	3	5	13	15	51	71	86	113	136	172	168	141	91	87	67	36	34	20	12	6	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CROTCH HEIGHT	76.37	4.38	$.74X +$	1.338	2.06
X- WAIST HEIGHT	101.39	5.20	$1.05*Y +$	21.205	2.45



TABLE 108

A BIVARIATE FREQUENCY TABLE FOR  
 WAIST HEIGHT AND BUTTOCK HEIGHT

WAIST HEIGHT

	85	87	88	90	91	93	94	96	97	99	100	102	103	105	100	108	109	111	112	114	115	117	118	120	121	TOT
	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	ALS
103.50																										0
102.00																										0
100.50																										1
99.00																										0
97.50																										6
96.00																										11
94.50																										30
93.00																										45
91.50																										53
90.00																										98
88.50																										132
87.00																										152
85.50																										171
84.00																										155
82.50																										161
81.00																										125
79.50																										86
78.00																										48
76.50																										34
75.00																										9
73.50																										4
72.00																										1
70.50																										1
TOTALS	2	3	5	13	15	51	71	86	113	130	172	168	141	91	87	67	36	34	20	12	6	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - BUTTOCK HEIGHT	83.80	4.67	.76**X +	6.739	2.51
X - WAIST HEIGHT	101.39	5.20	.94**Y +	22.623	2.79
					.843

TABLE 169

A BIVARIATE FREQUENCY TABLE FOR  
WAIST HEIGHT AND KNEE HEIGHT

WAIST HEIGHT

Knee Height	Waist Height												TOT													
	85	87	88	90	91	93	94	96	97	99	100	102		103	105	106	108	109	111	112	114	115	117	118	120	121
57.75																										1
56.75																										2
55.75																										0
54.75																										1
53.75																										0
52.75																										25
51.75																										40
50.75																										74
49.75																										111
48.75																										130
47.75																										174
46.75																										204
45.75																										206
44.75																										143
43.75																										110
42.75																										66
41.75																										22
40.75																										10
39.75																										3
TOTALS	2	3	5	13	15	51	71	86	113	136	172	168	141	91	87	67	36	34	20	12	6	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT	47.90	2.65	.43*X +	4.302	1.39
X- WAIST HEIGHT	101.39	5.20	1.67*Y +	21.398	2.72
					.852

TABLE 190

A BIVARIATE FREQUENCY TABLE FOR  
 WAIST HEIGHT AND WAIST DEPTH

WAIST HEIGHT

WAIST DEPTH	95	87	88	90	91	93	94	96	97	99	100	102	103	105	106	108	109	111	112	114	115	117	118	120	121	TOT
32.75																										1
31.75													1													1
30.75												1														1
29.75										1																1
28.75													1													1
27.75																										0
26.75																										2
25.75																										5
24.75																										8
23.75				1																						18
22.75				1																						23
21.75		1	1	2		3	3	1	4	6	7	7	6	3	5	1	6	1	3							62
20.75			1	1	2	3	3	1	4	6	9	4	8	6	3	5	4	2								82
19.75				1	1	6	8	5	8	16	28	20	16	12	11	9	6	3	5	3	1					158
18.75				2	8	11	17	18	22	29	39	17	16	16	12	7	4	1	3	2						233
17.75		1		2	4	11	17	21	24	36	33	34	20	15	14	9	9	7	2				1			279
16.75		1	1	2	4	6	11	15	16	21	41	30	26	21	21	14	4	10	5	1						254
15.75						1	9	10	12	20	23	14	12	19	12	7	5	1	2	1						149
14.75						2	3	2	6	9	7	3	5	3	4	1	2									47
13.75						1	1			2																6
TOTALS	2	3	5	13	15	51	71	86	113	136	172	168	141	91	87	67	36	34	20	12	6	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	16.29	2.21	.01*X +	17.275	2.21
X-	101.39	5.20	.04*Y +	100.656	5.20
					.018

TABLE 191

A BIVARIATE FREQUENCY TABLE FOR  
WAIST HEIGHT AND WAIST BREADTH

WAIST HEIGHT	WAIST BREADTH																TOTAL											
	85	86	88	90	91	93	94	96	97	99	100	102	103	105	106	108		109	111	112	114	115	117	118	120	121	121	TOTAL
39.75																												1
38.75																												1
37.75																												0
36.75																												1
35.75																												0
34.75																												2
33.75																												7
32.75																												10
31.75																												10
30.75																												25
29.75																												34
28.75																												83
27.75																												120
26.75																												158
25.75																												217
24.75																												249
23.75																												198
22.75																												138
21.75																												61
20.75																												15
19.75																												1
TOTALS	2	3	5	13	15	51	71	86	113	136	172	168	141	91	87	67	36	34	20	12	6	0	0	1	1	1	1331	

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST BREADTH	25.98	2.46	$.04X + .17*Y +$	21.525	2.45
X- WAIST HEIGHT	101.39	5.20	$.04X + .17*Y +$	97.041	5.18

TABLE 192

A BIVARIATE FREQUENCY TABLE FOR  
WAIST HEIGHT AND WAIST CIRCUMFERENCE

WAIST HEIGHT

WAIST CIRCUMFERENCE	WAIST HEIGHT																				TOTAL					
	85	87	88	90	91	93	94	96	97	99	100	102	103	105	106	108	109	111	112	114		115	117	118	120	121
116.50																										1
114.00																										0
111.50																										0
109.00																										0
106.50																										2
104.00																										1
101.50																										2
99.00																										0
96.50																										1
94.00																										4
91.50																										10
89.00																										12
86.50																										19
84.00																										24
81.50																										37
79.00																										75
76.50																										105
74.00																										164
71.50																										180
69.00																										202
66.50																										139
64.00																										83
61.50																										21
59.00																										4
56.50																										
TOTALS	2	3	5	13	15	51	71	80	113	136	172	168	141	91	87	67	36	34	20	12	6	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	0.90	.06*X +	62.903	0.61
X- WAIST HEIGHT	101.39	5.20	.05*Y +	97.039	5.19

TABLE 193

A BIVARIATE FREQUENCY TABLE FOR  
CROTCH HEIGHT AND BUTTOCK HEIGHT

CROTCH HEIGHT

	62	64	65	67	68	70	71	73	74	76	77	79	80	82	83	85	86	88	89	91	92	TOTAL
103.50																						1
102.00																						0
100.50																						0
99.00																						1
97.50																						0
96.00																						6
94.50																						6
93.00																						11
91.50																						30
90.00																						45
88.50																						53
87.00																						98
85.50																						132
84.00																						152
82.50																						171
81.00																						155
79.50																						161
76.00																						125
76.50																						86
75.00																						48
73.50																						34
72.00																						9
70.50																						4
TOTALS	1	2	6	14	35	68	96	125	176	191	169	118	111	79	55	24	21	5	4	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK HEIGHT	83.80	4.07	$1.00X + 7.428$	1.63	.937
X- CROTCH HEIGHT	76.37	4.38	$.88Y + 1.53$	1.53	

TABLE 194

A BIVARIATE FREQUENCY TABLE FOR  
CROTCH HEIGHT AND KNEE HEIGHT

CROTCH HEIGHT

	62	64	65	67	68	70	71	73	74	76	77	79	80	82	83	85	86	88	89	91	92	TOT
57.75																						1
56.75																						2
55.75																						0
54.75																						8
53.75																						25
52.75																						40
51.75																						74
50.75																						111
49.75																						130
48.75																						174
47.75																						204
46.75																						206
45.75																						143
44.75																						110
43.75																						66
42.75																						22
41.75																						10
40.75																						3
39.75																						2
TOTALS	1	2	6	14	35	68	96	155	176	191	169	118	111	79	55	24	21	5	4	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT	47.90	2.65	$.50^*X +$	5.134	1.05
X- CROTCH HEIGHT	76.37	4.38	$1.52^*Y +$	3.559	1.73

TABLE 195

A BIVARIATE FREQUENCY TABLE FOR  
CROTCH HEIGHT AND CALF HEIGHT

CROTCH HEIGHT	CROTCH HEIGHT																TOT ALS					
	62 .50	64 .0	65 .50	67 .0	68 .50	70 .0	71 .50	73 .0	74 .50	76 .0	77 .50	79 .0	80 .50	82 .0	83 .50	85 .0		86 .50	88 .0	89 .50	91 .0	92 .50
40.75																						1
39.75																						0
38.75																						12
37.75																						25
36.75																						50
35.75																						87
34.75																						120
33.75																						188
32.75																						227
31.75																						219
30.75																						190
29.75																						130
28.75																						55
27.75																						17
26.75																						8
25.75																						2
TOTALS	1	2	6	14	35	68	96	155	176	191	169	118	111	79	55	24	21	5	4	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	32.55	2.30	.44*X -	1.052	.842
X-	76.37	4.38	1.60*Y +	24.288	



TABLE 196

A BIVARIATE FREQUENCY TABLE FOR CROTCH HEIGHT AND SITTING HEIGHT

CROTCH HEIGHT	SITTING HEIGHT																			TOTAL		
	62	64	65	67	68	70	71	73	74	76	77	79	80	82	83	85	86	88	89		91	92
95.75																						
94.75																						
93.75																						
92.75																						
91.75																						
90.75																						
89.75																						
88.75																						
87.75																						
86.75																						
85.75																						
84.75																						
83.75																						
82.75																						
81.75																						
80.75																						
79.75																						
78.75																						
77.75																						
76.75																						
75.75																						
74.75																						
73.75																						
72.75																						
TOTALS	1	2	6	14	35	68	96	155	176	191	169	118	111	79	55	24	21	5	4	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION	EQUATIONS	SE-EST	R
Y- SITTING HEIGHT	85.68	3.59	.32*X	60.640	3.30	.394
X- CROTCH HEIGHT	76.37	4.38	.48*Y	35.530	4.02	

TABLE 197

A BIVARIATE FREQUENCY TABLE FOR CROTCH HEIGHT AND CROTCH LENGTH

CROTCH HEIGHT	CROTCH LENGTH																				TOTAL	
	62	64	65	67	68	70	71	73	74	76	77	79	80	82	83	85	86	88	89	91		92
100.25																						1
98.25																						0
96.25																						0
94.25																						0
92.25																						0
90.25																						0
88.25																						2
86.25																						11
84.25																						17
82.25																						37
80.25																						70
78.25																						152
76.25																						165
74.25																						202
72.25																						191
70.25																						184
68.25																						120
66.25																						86
64.25																						34
62.25																						26
60.25																						13
58.25																						10
56.25																						2
54.25																						4
52.25																						4
TOTALS	1	2	0	14	35	68	96	155	176	191	169	118	111	79	55	24	21	5	4	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CROTCH LENGTH	72.93	5.46	.26*X +	5.34	.205
X- CROTCH HEIGHT	76.37	4.38	.16*Y +	4.29	

TABLE 198

A BIVARIATE FREQUENCY TABLE FOR  
BUTTOCK HEIGHT AND KNEE HEIGHT

BUTTOCK HEIGHT

KNEE HEIGHT	BUTTOCK HEIGHT																			TOTAL				
	70	72	73	74	76	78	79	81	82	84	85	87	88	90	91	93	94	96	97		99	100	102	103
57.75																								1
56.75																								2
55.75																								0
54.75																								8
53.75																								25
52.75																								40
51.75																								74
50.75																								111
49.75																								130
48.75																								174
47.75																								204
46.75																								206
45.75																								143
44.75																								110
43.75																								66
42.75																								22
41.75																								10
40.75																								3
39.75																								2
TOTALS	1	4	9	34	48	86	125	161	155	171	152	132	98	53	45	30	11	6	8	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT	47.90	2.65	.51*X +	1.20	.891
X- BUTTOCK HEIGHT	83.80	4.67	1.57*Y +	2.12	

TABLE 199

A BIVARIATE FREQUENCY TABLE FOR BUTTOCK HEIGHT AND CALF HEIGHT

BUTTOCK HEIGHT

BUTTOCK HEIGHT	CALF HEIGHT													TOTALS											
	70	72	73	75	76	78	79	81	82	84	85	87	88		90	91	93	94	96	97	99	100	102	103	TOT
40.75																									1
39.75																									0
38.75																									12
37.75																									25
36.75																									50
35.75																									67
34.75																									120
33.75																									188
32.75																									227
31.75																									219
30.75																									130
29.75																									55
28.75																									17
27.75																									8
26.75																									2
25.75																									1
TOTALS	1	4	9	34	48	86	125	161	155	171	152	132	98	73	45	30	11	6	8	1	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CALF HEIGHT	32.55	2.30	$.41^*X -$	1.31	.823
X- BUTTOCK HEIGHT	83.60	4.67	$1.67^*Y +$	2.66	

TABLE 200

A BIVARIATE FREQUENCY TABLE FOR BUTTOCK HEIGHT AND HIP BREADTH

BUTTOCK HEIGHT

	70	72	73	75	76	78	79	81	82	84	85	87	88	90	91	93	94	96	97	99	100	102	103	TOT	
48.75																									1
47.75																									1
46.75																									0
45.75																									0
44.75																									1
43.75																									1
42.75																									7
41.75																									9
40.75																									19
39.75																									45
38.75																									65
37.75																									137
36.75																									163
35.75																									211
34.75																									228
33.75																									191
32.75																									134
31.75																									71
30.75																									32
29.75																									11
28.75																									4
TOTALS	1	4	9	34	48	86	125	161	155	171	152	132	98	53	45	30	11	6	8	1	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	35.37	2.47	.16*X +	21.959	2.36
X-	83.80	4.67	.56*Y +	63.990	4.46
					.293

TABLE 201

A BIVARIATE FREQUENCY TABLE FOR  
BUTTOCK HEIGHT AND HIP CIRCUMFERENCE

HIP CIRCUMFERENCE	BUTTOCK HEIGHT												TOT ALS											
	70 .50	72 .50	73 .50	75 .50	76 .50	78 .50	79 .50	81 .50	82 .50	84 .50	85 .50	87 .50		88 .50	90 .50	91 .50	93 .50	94 .50	96 .50	97 .50	99 .50	100 .50	102 .50	103 .50
135.00																								1
132.50																								1
130.00																								0
127.50																								0
125.00																								0
122.50																								2
120.00																								1
117.50																								1
115.00																								1
112.50																								3
110.00																								8
107.50																								14
105.00																								31
102.50																								54
100.00																								101
97.50																								166
95.00																								199
92.50																								225
90.00																								190
87.50																								165
85.00																								82
82.50																								54
80.00																								25
77.50																								6
TOTALS	1	4	9	34	48	86	125	161	155	171	152	132	98	53	45	30	11	6	8	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - HIP CIRCUMFERENCE	95.52	6.39	.48X +	55.295	5.39
X - BUTTOCK HEIGHT	83.80	4.67	.25Y +	59.916	4.38

TABLE 202

A BIVARIATE FREQUENCY TABLE FOR  
KNEE HEIGHT AND CALF HEIGHT

KNEE HEIGHT

Knee Height	Calf Height																TOT	ALS	
	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54			55
40.75																			1
39.75																			0
38.75																			12
37.75																			25
36.75																			50
35.75																			87
34.75																			126
33.75																			188
32.75																			227
31.75																			219
30.75																			190
29.75																			130
28.75																			55
27.75																			17
26.75																			8
25.75																			2
TOTALS	2	3	10	22	66	116	143	206	204	174	130	111	74	40	25	8	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CALF HEIGHT	32.55	2.30	.73*X -	1.24	.843
X- KNEE HEIGHT	47.90	2.65	.97*Y +	1.42	

TABLE 203

A BIVARIATE FREQUENCY TABLE FOR  
KNEE HEIGHT AND KNEE HEIGHT, SITTING

KNEE HEIGHT

	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	TOT
60.75																				1
59.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	0
58.75																				1
57.75																				5
56.75																				9
55.75																				17
54.75																				50
53.75																				74
52.75																				105
51.75																				142
50.75																				186
49.75																				212
48.75																				185
47.75																				157
46.75																				91
45.75																				62
44.75																				28
43.75																				3
TOTALS	2	3	10	22	66	116	143	206	264	174	130	111	74	40	20	8	0	2	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT, SITTING	50.99	2.60	.90*X +	7.883	.919
X- KNEE HEIGHT	47.90	2.65	.94*Y +	-0.034	1.04



TABLE 204

A BIVARIATE FREQUENCY TABLE FOR  
KNEE HEIGHT AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE	KNEE HEIGHT																TOT ALS			
	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75		55 .75	56 .75	57 .75
45.75																				1
44.75																				0
43.75																				0
42.75																				3
41.75																				7
40.75																				12
39.75																				19
38.75																				44
37.75																				93
36.75																				160
35.75																				197
34.75																				246
33.75																				212
32.75																				163
31.75																				112
30.75																				47
29.75																				13
28.75																				2
TOTALS	2	3	10	22	66	110	143	206	204	174	130	111	74	40	25	8	0	2	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE CIRCUMFERENCE	34.83	2.26	.27*X +	21.895	2.14
X- KNEE HEIGHT	47.90	2.65	.37*Y +	35.013	2.51

TABLE 205  
A BIVARIATE FREQUENCY TABLE FOR  
CALF HEIGHT AND BICEPS CIRCUMFERENCE, FLEXED

CALF HEIGHT	CALF HEIGHT											TOT					
	25	26	27	28	29	30	31	32	33	34	35		36	37	38	39	40
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	
39.25																	1
38.25																	0
37.25														1			1
36.25																	0
35.25																	2
34.25																	4
33.25																	7
32.25																	12
31.25																	39
30.25																	71
29.25																	106
28.25																	202
27.25																	249
26.25																	207
25.25																	194
24.25																	132
23.25																	62
22.25																	34
21.25																	8
TOTALS	2	8	17	55	130	190	219	227	188	120	87	50	25	12	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS CIRCUMFERENCE, FLEXED	26.67	2.29	.18*X +	21.016	2.26
X-CALF HEIGHT	32.55	2.30	.16*Y +	27.711	2.26

TABLE 206

A BIVARIATE FREQUENCY TABLE FOR CALF HEIGHT AND ANKLE HEIGHT

ANKLE HEIGHT	CALF HEIGHT																TOT
	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	
15.00																	1
14.70																	0
14.40																1	3
14.10																1	7
13.80																1	2
13.50																	2
13.20																	2
12.90																	17
12.60																	17
12.30																	36
12.00																	34
11.70																	86
11.40																	105
11.10																	150
10.80																	133
10.50																	166
10.20																	159
9.90																	119
9.60																	117
9.30																	75
9.00																	50
8.70																	28
8.40																	19
8.10																	4
TOTALS	2	8	17	55	130	190	219	227	168	120	87	50	25	12	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ANKLE HEIGHT	10.86	1.02	.23*X +	.86	.520
X- CALF HEIGHT	32.55	2.30	1.19*Y +	1.96	

TABLE 207

A BIVARIATE FREQUENCY TABLE FOR  
SITTING HEIGHT AND EYE HEIGHT, SITTING

SITTING HEIGHT

	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	TOT
83.75																									
82.75																									
81.75																									
80.75																									
79.75																									
78.75																									
77.75																									
76.75																									
75.75																									
74.75																									
73.75																									
72.75																									
71.75																									
70.75																									
69.75																									
68.75																									
67.75																									
66.75																									
65.75																									
64.75																									
63.75																									
62.75																									
TOTALS	1	1	5	3	5	25	28	53	67	104	112	119	144	129	147	132	97	63	43	25	12	5	3	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- EYE HEIGHT, SITTING	73.64	3.46	.93*X -	5.482	.91
X- SITTING HEIGHT	85.08	3.59	1.00*Y +	11.437	.94

TABLE 208

A BIVARIATE FREQUENCY TABLE FOR  
SITTING HEIGHT AND ELBOW-FINGERTIP LENGTH

SITTING HEIGHT

	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	TOT
50.75										1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
49.75										1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9
48.75										1	1	2	1	1	2	4	3	1	2	4	1	1	1	1	23
47.75									1	3	2	4	6	5	4	3	6	3	5	4	1	1	1	1	48
46.75									1	8	4	9	7	10	9	10	5	6	4	5	1	1	1	1	85
45.75						1	1	1	5	10	6	9	9	11	14	12	11	10	12	3	3	1	1	1	127
44.75						1	1	2	5	11	10	7	14	18	22	23	14	10	9	3	3	1	1	1	177
43.75						1	2	4	8	14	12	20	30	14	29	30	25	11	5	5	1	1	1	1	231
42.75						1	2	4	10	15	17	21	28	32	31	17	18	12	4	1	1	1	1	1	219
41.75						1	2	6	14	17	14	21	29	24	25	19	9	8	4	1	1	1	1	1	197
40.75						1	5	13	8	12	23	16	12	10	5	9	5	1	1	1	1	1	1	1	125
39.75						1	5	3	6	12	9	6	9	4	3	4	4	1	1	1	1	1	1	1	58
38.75						1	3	1	4	1	7	3	2	1	1	1	1	1	1	1	1	1	1	1	23
37.75						2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	6
36.75						1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TOTALS	1	1	5	0	5	25	26	53	67	104	112	119	144	129	147	132	97	63	43	25	12	5	3	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ELBOW-FINGERTIP LENGTH	43.52	2.28	.21*X +	2.16	.328
X- SITTING HEIGHT	85.08	3.59	.52*Y +	3.39	

TABLE 209

A BIVARIATE FREQUENCY TABLE FOR  
SITTING HEIGHT AND KNEE HEIGHT, SITTING

SITTING HEIGHT

	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
60.75																									1
59.75																									0
58.75																									5
57.75																									9
56.75																									17
55.75																									50
54.75																									74
53.75																									105
52.75																									142
51.75																									186
50.75																									212
49.75																									185
48.75																									157
47.75																									91
46.75																									62
45.75																									28
44.75																									3
43.75																									4
TOTALS	1	1	5	8	5	25	28	33	67	104	112	119	144	129	147	132	97	63	43	25	12	5	3	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT, SITTING	50.99	2.60	.32*X +	2.33	.445
X- SITTING HEIGHT	85.08	3.59	.61*Y +	3.22	

TABLE 210

A BIVARIATE FREQUENCY TABLE FOR  
EYE HEIGHT, SITTING AND KNEE HEIGHT, SITTING

EYE HEIGHT, SITTING

	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	TOT
60.75																							1
59.75									1														0
58.75										1													5
57.75											2												9
56.75										4													17
55.75											7												50
54.75												4											74
53.75				1					3	1													105
52.75											6												142
51.75												12											186
50.75													17										212
49.75														22									185
48.75															22								157
47.75																11							91
46.75																	7						62
45.75																		6					28
44.75																			5				3
43.75																							4
TOTALS	3	4	6	16	22	36	47	93	95	132	140	135	159	147	98	80	58	32	11	9	5	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE HEIGHT, SITTING	50.99	2.60	.31*X +	2.37	.418
X- EYE HEIGHT, SITTING	73.64	3.46	.56*Y +	3.15	

TABLE 211

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER-ELBOW LENGTH AND ELBOW-FINGERTIP LENGTH

		SHOULDER-ELBOW LENGTH													TOT
		27	28	29	30	31	32	33	34	35	36	37	38	39	ALS
50.75	.75									1	1	1	1	2	
49.75	.75						1	2	3	3	3	1	1	1	9
48.75	.75						1	6	6	6	6	6	2	2	23
47.75	.75						8	17	13	4	4	4	4	4	48
46.75	.75						3	8	24	22	6	6	6	6	85
45.75	.75				2	13	20	40	42	8	2	2	2	2	127
44.75	.75			1	6	22	54	59	25	9	1	1	1	1	177
43.75	.75			4	15	55	96	43	17	1					231
42.75	.75			9	37	78	67	22	6						219
41.75	.75			1	20	59	66	43	7	1					197
40.75	.75			1	3	23	50	38	10						125
39.75	.75			3	11	12	20	11	1						58
38.75	.75			2	5	7	7	2							23
37.75	.75			3	2	1									6
36.75	.75			1											1
TOTALS		1	6	23	78	197	289	304	209	139	62	21	3	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ELBOW-FINGERTIP LENGTH	43.52	2.28	1.03*X +	8.945	1.42
X- SHOULDER-ELBOW LENGTH	33.56	1.75	.60*Y +	7.455	1.08
					.785



TABLE 212  
 A BIVARIATE FREQUENCY TABLE FOR  
 KNEE HEIGHT, SITTING AND POPLITEAL HEIGHT

		KNEE HEIGHT, SITTING																			TOT
		43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	ALS	
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1	
48.75																				2	
47.75																				12	
46.75																				29	
45.75																				60	
44.75																				95	
43.75																				121	
42.75																				200	
41.75																				217	
40.75																				240	
39.75																				167	
38.75																				96	
37.75																				58	
36.75																				24	
35.75																				7	
34.75																				3	
TOTALS		4	3	23	62	91	157	185	212	106	142	105	74	50	17	9	5	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- POPLITEAL HEIGHT	41.68	2.35	.84*X -	.84	.934
X- KNEE HEIGHT, SITTING	50.99	2.60	1.03*Y +	8.058	.93

TABLE 213

A BIVARIATE FREQUENCY TABLE FOR  
KNEE HEIGHT, SITTING AND BUTTOCK-KNEE LENGTH

KNEE HEIGHT, SITTING

	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	50 .75	51 .75	52 .75	53 .75	54 .75	55 .75	56 .75	57 .75	58 .75	59 .75	60 .75	TOT ALS
68.75																			1
67.75																			2
66.75																			3
65.75																			7
64.75																			21
63.75																			33
62.75																			46
61.75																			71
60.75																			106
59.75																			124
58.75																			146
57.75																			183
56.75																			179
55.75																			137
54.75																			123
53.75																			78
52.75																			35
51.75																			22
50.75																			12
49.75																			1
48.75																			1
TOTALS	4	3	28	62	91	157	185	212	186	142	105	74	50	17	9	5	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK-KNEE LENGTH	57.85	3.06	.96*X +	1.78	.813
X- KNEE HEIGHT, SITTING	50.99	2.00	.69*Y +	1.52	

TABLE 214  
 A BIVARIATE FREQUENCY TABLE FOR  
 POPLITEAL HEIGHT AND BUTTOCK-KNEE LENGTH

		POPLITEAL HEIGHT																TOTAL
		34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	TOTAL	
POPLITEAL HEIGHT	BUTTOCK-KNEE LENGTH	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS	
58.75																	1	
57.75																	2	
56.75																	3	
55.75																	7	
54.75																	21	
53.75																	33	
52.75																	46	
51.75																	71	
50.75																	106	
49.75																	124	
48.75																	146	
TOTALS		3	7	2	4	56	167	240	217	200	121	95	60	29	12	2	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUTTOCK-KNEE LENGTH	57.85	3.06	$1.00X + 16.165$	1.97	.704
X- POPLITEAL HEIGHT	41.08	2.35	$.59Y + 7.553$	1.52	

TABLE 215

A BIVARIATE FREQUENCY TABLE FOR  
BUST DEPTH AND WAIST DEPTH

BUST DEPTH	BUST DEPTH												TOT ALS					
	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75		27 .75	28 .75	29 .75	30 .75	31 .75
32.75																		1
31.75																		1
30.75																	1	1
29.75																1		1
28.75																		1
27.75																		0
26.75																		2
25.75																		5
24.75																		8
23.75																		18
22.75																		23
21.75																		62
20.75																		82
19.75																		158
18.75																		233
17.75																		279
16.75																		254
15.75	1																	149
14.75																		47
13.75																		6
TOTALS	1	0	2	35	95	181	239	224	225	135	92	55	24	11	6	2	1	3 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
WAIST DEPTH	18.29	2.21	.73*X +	1.558	1.51
BUST DEPTH	22.92	2.23	.74*Y +	9.385	1.52

TABLE 216

A BIVARIATE FREQUENCY TABLE FOR  
BUST DEPTH AND CHEST BREADTH

BUST DEPTH

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
40.75																			1
39.75																			0
38.75																			1
37.75																			0
36.75																			0
35.75																			0
34.75																			3
33.75																			6
32.75																			22
31.75																			44
30.75																			85
29.75																			211
28.75																			271
27.75																			272
26.75																			239
25.75																			124
24.75																			46
23.75																			6
TOTALS	1	0	2	35	95	161	239	224	225	135	92	55	24	11	6	2	1	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CHEST BREADTH	28.25	1.86	.61X +	1.26	.733
X- BUST DEPTH	22.92	2.23	.08Y +	1.51	

TABLE 217

A BIVARIATE FREQUENCY TABLE FOR  
BUST DEPTH AND CHEST CIRCUMFERENCE AT SCYE

BUST DEPTH	BUST DEPTH												TOT						
	15	16	17	18	19	20	21	22	23	24	25	26		27	28	29	30	31	32
120.25																			1
118.25																			0
116.25																			0
114.25																			0
112.25																		1	1
110.25																		1	1
108.25																		1	1
106.25																		1	1
104.25																		1	1
102.25																		1	1
100.25																		1	1
98.25																		1	1
96.25																		1	1
94.25																		1	1
92.25																		1	1
90.25																		1	1
88.25																		1	1
86.25																		1	1
84.25																		1	1
82.25																		1	1
80.25																		1	1
78.25																		1	1
76.25																		1	1
74.25																		1	1
72.25																		1	1
TOTALS	1	0	2	35	95	181	239	224	225	130	92	55	24	11	6	2	1	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	1.80*X +	3.31	.771
X-BUST DEPTH	22.92	2.23	.33*Y +	1.42	

TABLE 210

A BIVARIATE FREQUENCY TABLE FOR  
BUST DEPTH AND BUST CIRCUMFERENCE

BUST DEPTH	BUST DEPTH													TOT ALS				
	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75		28 .75	29 .75	30 .75	31 .75
129.50																		1
127.00																		0
124.50																		0
122.00																		0
119.50																	1	0
117.00																		0
114.50															1	1	1	3
112.00																		0
109.50														1	2	3	1	3
107.00														2	1	3	1	7
104.50														1	2	5	1	9
102.00														2	5	5	1	14
99.50														1	19	9	1	42
97.00														6	23	5	1	74
94.50														1	4	1		108
92.00														2	4	3		177
89.50														1	19	4		189
87.00														1	27	22		205
84.50														1	43	7		186
82.00														6	46	4		167
79.50														1	19	3		88
77.00														1	27	11		46
74.50														1	7	7		8
72.00														1	22	4		2
69.50														1	9	3		1
TOTALS	1	0	2	35	95	181	239	224	225	135	92	55	24	11	6	2	1	3 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	2.61*X +	2.73	.905
X- BUST DEPTH	22.92	2.23	.31*Y +	-4.428	.95

TABLE 219

A BIVARIATE FREQUENCY TABLE FOR  
BUST DEPTH AND CHEST CIRCUMFERENCE BELOW BUST

BUST DEPTH

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
108.25																			1
106.25																			0
104.25																			0
102.25																			0
100.25																			1
98.25																			0
96.25																			1
94.25																			0
92.25																			0
90.25																			2
88.25																			11
86.25																			5
84.25																			13
82.25																			40
80.25																			58
78.25																			92
76.25																			149
74.25																			195
72.25																			252
70.25																			175
68.25																			168
66.25																			121
64.25																			38
62.25																			4
TOTALS	1	0	2	35	95	181	239	224	225	135	92	55	24	11	6	2	1	3	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.62	5.02	1.74*X +	3.19	.772
X-BUST DEPTH	22.92	2.23	.34*Y +	1.41	



TABLE 220

A BIVARIATE FREQUENCY TABLE FOR  
 WAIST DEPTH AND WAIST BREADTH

WAIST DEPTH	WAIST DEPTH													TOT ALS							
	13 .75	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75		26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75
39.75																					1
36.75																1					1
37.75																					0
36.75																	1				1
35.75																					0
34.75																					2
33.75																					7
32.75																					10
31.75																					10
30.75																					25
29.75																					34
28.75																					83
27.75																					120
26.75																					158
25.75																					217
24.75																					249
23.75																					198
22.75																					138
21.75																					61
20.75																					15
19.75																					1
TOTALS	6	47	149	254	279	233	158	82	62	62	23	18	8	5	2	0	1	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST BREADTH	25.58	2.46	$.88^*X +$	1.50	.793
X- WAIST DEPTH	18.29	2.21	$.71^*Y +$	1.35	

TABLE 221

A BIVARIATE FREQUENCY TABLE FOR  
 WAIST DEPTH AND WAIST CIRCUMFERENCE

WAIST DEPTH

	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT	
116.50																					1	
114.00																						0
111.50																						0
109.00																						0
106.50																1						2
104.00																						1
101.50																						2
99.00														1								0
96.50																						1
94.00																						4
91.50											1	1	1	1								10
89.00											3	3	1	2								12
86.50											4	4	2									19
84.00											9	3	1									24
81.50							1	4	12	14	3	2	1									37
79.00						1	5	30	21	17		1										75
76.50						6	27	37	28	6	1											105
74.00						9	24	60	52	13	5											164
71.50						1	23	64	65	3												180
69.00			1	8	67	99	59	9	2													245
66.50			5	41	83	59	13	1														202
64.00			1	11	53	51	21	2														139
61.50			3	17	37	20	5	1														83
59.00			2	10	8	1																21
56.50			3	1																		4
TOTALS	6	47	149	254	279	233	158	82	62	23	18	8	5	2	0	1	1	1	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	2.80*X +	19.805	3.03
X- WAIST DEPTH	18.29	2.21	.29*Y +	-2.305	.97

TABLE 222

A BIVARIATE FREQUENCY TABLE FOR  
CHEST BREADTH AND WAIST BREADTH

CHEST BREADTH

	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	TOT ALS
39.75																			1
38.75											1								1
37.75																			0
36.75																			1
35.75																			0
34.75																			2
33.75																			7
32.75											1								10
31.75											2								10
30.75											3								25
29.75											5								34
28.75											13								83
27.75											22								120
26.75											36								158
25.75											46								217
24.75											64								249
23.75											85								198
22.75											12								138
21.75											15								61
20.75											19								15
19.75											2								1
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STJ DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST BREADTH	25.58	2.46	.97*X -	1.820	1.67
X- CHEST BREADTH	28.25	1.86	.56*Y +	13.922	1.26

TABLE 223

A BIVARIATE FREQUENCY TABLE FOR  
CHEST BREADTH AND HIP BREADTH

CHEST BREADTH

	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOT
48.75																			1
47.75																			1
46.75																			0
45.75																			0
44.75																			1
43.75																			1
42.75																			7
41.75																			9
40.75																			19
39.75																			45
38.75																			65
37.75																			137
36.75																			163
35.75																			211
34.75																			228
33.75																			191
32.75																			134
31.75																			71
30.75																			32
29.75																			11
28.75																			4
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STJ	DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP BREADTH	35.37	2.47		$.79X +$	1.99	.593
X- CHEST BREADTH	28.25	1.86		$.45Y +$	1.49	

TABLE 224

A BIVARIATE FREQUENCY TABLE FOR  
CHEST BREADTH AND SHOULDER BREADTH

CHEST BREADTH

	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOT
55.75																			1
54.75																			0
53.75																			0
52.75																			1
51.75																			0
50.75																			1
49.75																			1
48.75																			5
47.75																			7
46.75							2												19
45.75						1	3												60
44.75						2	5												120
43.75					1	4	17	14	11	10	1								159
42.75						2	40	33	14	2									236
41.75						4	56	18	9	2									239
40.75						1	20	58	10	2									192
39.75							16	66	69	31									153
38.75							3	11	38	52	12								79
37.75							2	16	19	8	1								46
36.75							3	5	4										12
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
SHOULDER BREADTH	42.05	2.24	.99*X +	1.26	.825
CHEST BREADTH	28.25	1.86	.68*Y +	1.05	

TABLE 225

A BIVARIATE FREQUENCY TABLE FOR  
CHEST BREADTH AND CHEST CIRCUMFERENCE AT SCYE

CHEST BREADTH

	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
120.25																			1
118.25																			0
116.25																			0
114.25																			0
112.25																			0
110.25																			1
108.25																			1
106.25											1								1
104.25																			1
102.25																			1
100.25																			2
98.25																			7
96.25																			9
94.25																			30
92.25																			27
90.25																			86
88.25																			131
86.25																			178
84.25																			183
82.25																			217
80.25																			169
78.25																			152
76.25																			86
74.25																			38
72.25																			9
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	$2.40X +$	17.755	2.66
X-CHEST BREADTH	28.25	1.86	$.31Y +$	1.727	.95

TABLE 226

A BIVARIATE FREQUENCY TABLE FOR  
CHEST BREADTH AND BUST CIRCUMFERENCE

CHEST BREADTH

	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
129.50																			1
127.00																			0
124.50																			0
122.00																			0
119.50																			1
117.00																			0
114.50																			3
112.00																			0
109.50																			3
107.00																			3
104.50																			7
102.00																			9
99.50																			14
97.00																			42
94.50																			74
92.00																			108
89.50																			177
87.00																			189
84.50																			205
82.00																			186
79.50																			167
77.00																			88
74.50																			46
72.00																			8
69.50																			2
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
BUST CIRCUMFERENCE	88.21	6.43	2.99*X +	3.755	.852
CHEST BREADTH	28.25	1.86	.25*Y +	6.194	.94

Y-  
X-

TABLE 227

A BIVARIATE FREQUENCY TABLE FOR  
CHEST BREADTH AND CHEST CIRCUMFERENCE BELOW BUST

CHEST BREADTH

	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOT
108.25																			1
106.25																			0
104.25																			0
102.25																			0
100.25																			1
98.25																			0
96.25																			1
94.25																			0
92.25																			0
90.25																			2
88.25																			11
86.25																			5
84.25																			13
82.25																			40
80.25																			58
78.25																			92
76.25																			149
74.25																			195
72.25																			252
70.25																			175
68.25																			168
66.25																			121
64.25																			38
62.25																			4
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	2.27*X +	10.699	2.73
X-CHEST BREADTH	28.25	1.86	.31*Y +	5.053	1.01



TABLE 228

A BIVARIATE FREQUENCY TABLE FOR  
CHEST BREADTH AND BACK CURVATURE-BUST

CHEST BREADTH

	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	TOTAL
63.00																			1
61.50																			0
60.00																			0
58.50																			0
57.00																			0
55.50												1							2
54.00											1								2
52.50										1									2
51.00										1									7
49.50										1									16
48.00										1									38
46.50										1									81
45.00										1									129
43.50										1									221
42.00										1									258
40.50										1									262
39.00										1									155
37.50										1									106
36.00										1									40
34.50										1									10
33.00										1									0
31.50										1									0
30.00										1									1
TOTALS	6	46	124	239	272	271	211	85	44	22	6	3	0	0	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	1.39*X +	2.707	.813
X- CHEST BREADTH	28.25	1.86	.48*Y +	8.101	1.08

TABLE 229

A BIVARIATE FREQUENCY TABLE FOR  
 WAIST BREADTH AND HIP BREADTH

WAIST BREADTH

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	TOT	
48.75																							1
47.75																							1
46.75																							0
45.75																							0
44.75																							1
43.75																							1
42.75																							7
41.75																							9
40.75																							19
39.75																							45
38.75																							65
37.75																							137
36.75																							163
35.75																							211
34.75																							228
33.75																							191
32.75																							134
31.75																							71
30.75																							32
29.75																							11
28.75																							4
TOTALS	1	15	61	138	198	249	217	158	120	83	34	25	10	10	7	2	0	1	0	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP BREADTH	35.37	2.47	.57*X +	20.786	2.04
X- WAIST BREADTH	25.58	2.40	.50*Y +	5.775	2.03

TABLE 230

A BIVARIATE FREQUENCY TABLE FOR  
WAIST BREADTH AND WAIST CIRCUMFERENCE

WAIST BREADTH

WAIST CIRCUMFERENCE	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	TOTAL	
116.50																						1	
114.00																							0
111.50																							0
109.00																							0
106.50																							2
104.00																							1
101.50																							2
99.00																							0
96.50																							1
94.00																							4
91.50																							10
89.00																							12
86.50																							19
84.00																							24
81.50																							37
79.00																							75
76.50																							105
74.00																							164
71.50																							180
69.00																							245
66.50																							202
64.00																							139
61.50																							83
59.00																							21
56.50																							4
TOTALS	1	15	61	138	198	249	217	158	120	83	34	25	10	10	7	2	0	1	0	1	1	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.61	6.90	2.61*X +	2.57	.928
X- WAIST BREADTH	25.58	2.46	.33*Y +	2.146	.91

TABLE 231

A BIVARIATE FREQUENCY TABLE FOR  
 WAIST BREADTH AND BACK CURVATURE-WAIST

WAIST BREADTH

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	TOT	
58.50																						1	
57.00																						0	
55.50																						1	
54.00																						0	
52.50																						1	
51.00																						2	
49.50																						1	
48.00																						2	
46.50																						7	
45.00																						15	
43.50																						17	
42.00																						30	
40.50																						46	
39.00																						83	
37.50																						170	
36.00																						225	
34.50																						269	
33.00																						237	
31.50																						148	
30.00																						63	
28.50																						12	
27.00																						1	
TOTALS	1	1	0	1	138	198	249	217	159	120	83	34	25	10	10	7	2	0	1	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-WAIST	35.31	3.48	1.26*X +	1.59	.889
X- WAIST BREADTH	25.58	2.46	.63*Y +	3.337	1.12

TABLE 232

A BIVARIATE FREQUENCY TABLE FOR  
HIP BREADTH AND SHOULDER BREADTH

HIP BREADTH

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
55.75																						1
54.75																						0
53.75																						0
52.75																						1
51.75																						0
50.75													1									1
49.75																						1
48.75																						1
47.75																						5
46.75																						7
45.75																						19
44.75																						60
43.75																						120
42.75																						159
41.75																						236
40.75																						239
39.75																						192
38.75																						153
37.75																						79
36.75																						46
TOTALS	4	11	32	71	134	191	228	211	163	137	65	45	19	9	7	1	1	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER BREADTH	42.65	2.24	.55*X + 22.594	1.78	.605
X- HIP BREADTH	35.37	2.47	.67*Y + 7.196	1.97	

TABLE 233

A BIVARIATE FREQUENCY TABLE FOR  
HIP BREADTH AND HIP CIRCUMFERENCE

HIP BREADTH

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	TOI	ALS	
135.00																						1	1	
132.50																							1	1
130.00																							0	0
127.50																							0	0
125.00																							0	0
122.50																							2	2
120.00																							1	1
117.50																							1	1
115.00																							3	3
112.50																							8	8
110.00																							14	14
107.50																							31	31
105.00																							54	54
102.50																							101	101
100.00																							166	166
97.50																							199	199
95.00																							225	225
92.50																							190	190
90.00																							165	165
87.50																							82	82
85.00																							54	54
82.50																							25	25
80.00																							6	6
77.50																							2	2
TOTALS	4	11	32	71	134	191	228	211	163	137	65	45	13	9	7	1	1	0	0	1	1	1	1331	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	2.35*X +	12.406	.908
X- HIP BREADTH	35.37	2.47	.35*Y +	1.936	1.03

TABLE 234

A BIVARIATE FREQUENCY TABLE FOR  
HIP BREADTH AND BACK CURVATURE-HIP

HIP BREADTH

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	FOR
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
69.00																						1
67.50																						0
66.00																						1
64.50																						1
63.00																						0
61.50																						0
60.00																						0
58.50																						3
57.00																						4
55.50																						11
54.00																						35
52.50																						37
51.00																						72
49.50																						105
48.00																						188
46.50																						214
45.00																						231
43.50																						192
42.00																						113
40.50																						74
39.00																						36
37.50																						9
36.00																						.4
TOTALS	4	11	32	71	134	191	226	211	163	137	65	45	19	9	7	1	1	0	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	1.19*X +	5.420	2.31
X- HIP BREADTH	35.37	2.47	.52*Y +	10.663	1.53
					.786

TABLE 235

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER BREADTH AND SHOULDER CIRCUMFERENCE

SHOULDER BREADTH

	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	TOT		
139.00																						1	
136.50																							0
134.00																							0
131.50																							0
129.00																							0
126.50																							0
124.00																							2
121.50																							2
119.00																							1
116.50																							6
114.00																							7
111.50																							28
109.00																							70
106.50																							117
104.00																							186
101.50																							241
99.00																							230
96.50																							205
94.00																							143
91.50																							64
89.00																							23
86.50																							5
TOTALS	12	46	79	153	192	239	236	159	120	64	19	7	5	1	1	0	1	0	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER CIRCUMFERENCE	100.39	5.46	2.29*X +	4.104	1.90
X- SHOULDER BREADTH	42.05	2.24	.38*Y +	3.898	.78



TABLE 236

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER BREADTH AND SHOULDER LENGTH

		SHOULDER BREADTH																			TOT	
		36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	ALS
18.50							1	2	1	4	2	1	1									2
18.00							1	5	3		3			1								11
17.50							1	14	6	15	2	1	1	1	1						1	14
17.00				2	2	2	1	14	19	13	5											48
16.50				2	5	6	14	19	15	13	5											79
16.00	1	1	1	5	10	17	28	24	32	18	12	2	1	2								153
15.50	3	3	6	21	32	40	40	40	31	25	12	5	2									217
15.00	2	11	9	26	47	56	47	30	16	7	3											254
14.50	1	4	18	29	42	50	47	20	12	10	2	4			1							237
14.00	2	11	17	34	20	25	25	16	10	3	5	1	1									170
13.50	3	7	15	13	16	13	9	2	5	1												84
13.00	2	2	4	9	5	8	4	2	2	2				1								41
12.50		5	1	2	3	1																13
12.00	1	2		2	2	1																8
TOTALS	12	46	79	153	192	239	236	159	126	60	19	7	5	1	1	1	0	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER LENGTH	15.00	1.06	.17*X + 7.852	.99	.358
X- SHOULDER BREADTH	42.05	2.24	.77*Y + 30.496	2.08	

TABLE 237

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER BREADTH AND INTERSCYE BACK

SHOULDER BREADTH

	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	TOT
47.75																					1
46.75																					0
45.75																					1
44.75																					5
43.75																					12
42.75																					18
41.75																					64
40.75																					103
39.75																					157
38.75																					208
37.75																					233
36.75																					201
35.75																					160
34.75																					87
33.75																					44
32.75																					27
31.75																					7
30.75																					3
TOTALS	12	46	79	153	192	239	236	159	120	60	19	7	5	1	1	0	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INTERSCYE BACK	37.86	2.35	.06*X +	10.108	1.84
X- SHOULDER BREADTH	42.02	2.24	.59*Y +	19.709	1.75

TABLE 236

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER BREADTH AND INTERSCYE FRONT

SHOULDER BREADTH

	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	TOT	
.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
40.50																						1
40.00																						0
39.50																						0
39.00																						2
38.50																						1
38.00																						3
37.50																						12
37.00																						16
36.50																						23
36.00																						37
35.50																						62
35.00																						84
34.50																						102
34.00																						125
33.50																						140
33.00																						175
32.50																						139
32.00																						141
31.50																						84
31.00																						79
30.50																						50
30.00																						30
29.50																						16
29.00																						4
28.50																						5
TOTALS	12	46	79	153	192	239	236	159	120	60	19	7	5	1	1	0	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INTERSCYE FRONT	33.17	1.75	.54*X +	10.465	1.26
X- SHOULDER BREADTH	42.05	2.24	.69*Y +	12.525	1.61
					.633

TABLE 239

A BIVARIATE FREQUENCY TABLE FOR  
NECK CIRCUMFERENCE AND SHOULDER CIRCUMFERENCE

NECK CIRCUMFERENCE

	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	TOT ALS
139.00																1
136.50																0
134.00																0
131.50																0
129.00																0
126.50																0
124.00																2
121.50																2
119.00											1					1
116.50											1					6
114.00											1					7
111.50											4					28
109.00											2					70
106.50											1					117
104.00											3					186
101.50											8					241
99.00											5					230
96.50											2					205
94.00											1					143
91.50											2					64
89.00											5					23
86.50											1					5
TOTALS	3	19	100	212	307	334	202	100	39	10	4	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER CIRCUMFERENCE	100.39	2.46	2.28*X +	26.606	4.09
X- NECK CIRCUMFERENCE	32.36	1.59	.19*Y +	13.287	1.19

TABLE 240  
 A BIVARIATE FREQUENCY TABLE FOR  
 NECK CIRCUMFERENCE AND NECK TO BUSTPOINT

NECK CIRCUMFERENCE	NECK CIRCUMFERENCE												TOT ALS		
	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75		39 .75	40 .75
33.25					1										1
32.25						2			1						3
31.25			1		1	1	3		1					1	8
30.25				2	2	7	4	1	2						18
29.25			3	5	10	7	4	1	2	2					35
28.25			1	6	12	18	15	5	2	1					95
27.25		3	4	21	33	38	39	20	6	1	1				166
26.25			10	25	52	54	32	22	7	2					204
25.25			14	47	70	62	36	16	6	1					252
24.25	1	4	23	43	53	61	34	10	6	1					236
23.25		4	24	31	42	34	14	5							154
22.25		5	16	20	26	23	7	4	4						105
21.25	1	2	7	12	9	8	6		1						46
20.25		1		3	2										6
19.25	1					1									2
TOTALS	3	19	100	212	307	334	262	100	39	10	4	0	0	0	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- NECK TO BUSTPOINT	25.28	2.08	.47*X +	1.94	.350
X- NECK CIRCUMFERENCE	32.36	1.59	.27*Y +	1.48	

TABLE 241  
 A BIVARIATE FREQUENCY TABLE FOR  
 NECK CIRCUMFERENCE AND SLEEVE INSEAM

		NECK CIRCUMFERENCE																TOT
		27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	ALS	
54.75	.75					1											1	
53.75	.75					1	1		1								1	
52.75	.75					1	3	4	2	1	1						5	
51.75	.75					1	9	7	4			1					11	
50.75	.75				1	1	10	2	8	5							23	
49.75	.75				2	8	16	2	8								35	
48.75	.75			3	7	15	24	12	11	6	4	1					81	
47.75	.75			2	14	23	22	19	11	1	1						93	
46.75	.75			1	13	19	38	47	32	11	6	2					169	
45.75	.75			3	8	25	46	42	27	13	7	2			1		174	
44.75	.75			1	14	33	48	55	28	18	4	1					200	
43.75	.75			2	7	23	42	52	23	5	3	1					204	
42.75	.75			3	15	32	37	26	22	7	1	1					144	
41.75	.75			4	11	16	31	25	15	3	2						110	
40.75	.75			8	14	8	8	6	7	3	3						49	
39.75	.75			3	4	4	4	8	1	1							21	
38.75	.75					2	1	1	1								5	
37.75	.75						3	1									4	
36.75	.75																1	
TOTALS	.75	3	19	100	212	307	334	202	100	39	10	4	0	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SLEEVE INSEAM	45.05	2.61	.43*X + 31.139	2.52	.260
X- NECK CIRCUMFERENCE	32.36	1.59	.16*Y + 25.152	1.53	

TABLE 242

A BIVARIATE FREQUENCY TABLE FOR  
NECK CIRCUMFERENCE AND SLEEVE OUTSEAM

SLEEVE OUTSEAM	NECK CIRCUMFERENCE												TOT ALS		
	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75		39 .75	40 .75
64.75					1										2
63.75						1									0
62.75					1	1									1
61.75					1	1									4
60.75					5	12			2						13
59.75				1	5	7			1						32
58.75				4	11	7			1	1					44
57.75			2	7	17	19			5	2					78
56.75			3	12	15	30			4						99
55.75			1	7	14	33			8	2	1				130
54.75			3	10	24	38			4	1					157
53.75	1		2	15	24	45			6	2					174
52.75	1		3	12	53	39			7	3					161
51.75			4	25	30	47			7	2	1				172
50.75			3	10	32	28			3						124
49.75			3	6	16	17			1						72
48.75	1		6	6	2	6			2						36
47.75			3	3	5	2			1						16
46.75			1	3	2	2			1						10
45.75				1	1	2			1						5
44.75						1									1
TOTALS	3	19	100	212	307	334	202	100	39	10	4	0	0	0	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SLEEVE OUTSEAM	53.80	2.96	.53*X + 36.646	2.84	.282
X- NECK CIRCUMFERENCE	32.36	1.59	.15*Y + 24.291	1.52	

TABLE 243

A BIVARIATE FREQUENCY TABLE FOR  
NECK CIRCUMFERENCE AND HEAD CIRCUMFERENCE

		NECK CIRCUMFERENCE																TOT
		27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	ALS	
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS	
61.00										1							1	
60.50								1	1								3	
60.00									1								1	
59.50									3	2	1						10	
59.00						1	1	1	3			1					7	
58.50						4	2	3	2	1							12	
58.00				1	2	10	4	5	6	2	1						31	
57.50				1	4	5	16	6	8	5	1						46	
57.00				2	7	10	16	13	7	3	1						59	
56.50				2	7	15	26	20	14	4	1	1					91	
56.00				1	1	13	31	29	10	5	1	1			1		119	
55.50				1	5	21	37	40	30	5	5						150	
55.00				1	8	23	46	50	23	7	8	1	1				168	
54.50				2	12	28	39	45	24	11	1						162	
54.00				2	14	30	41	50	21	11	1						171	
53.50				2	17	15	27	17	6	5							89	
53.00				1	6	20	17	24	12	5	1						98	
52.50				1	7	21	12	10	2	1							54	
52.00				1	2	6	15	6	4	2							36	
51.50				1	1	5	2	3	1	1							13	
51.00						3	3	2									8	
50.50																	0	
50.00						1											1	
49.50																	1	
TOTALS	3	19	100	212	307	334	202	100	39	10	4	0	0	0	1	1331		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEAD CIRCUMFERENCE	54.92	1.64	.41*X +	1.50	.396
X- NECK CIRCUMFERENCE	32.36	1.59	.38*Y +	1.46	



TABLE 244

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER CIRCUMFERENCE AND CHEST CIRCUMFERENCE AT SCYE

		SHOULDER CIRCUMFERENCE												TOT										
		86	89	91	94	96	99	101	104	106	109	111	114	116	119	121	124	126	129	131	134	136	139	ALS
120.25	.50																							1
118.25																								0
116.25																								0
114.25																								0
112.25																								1
110.25																								1
108.25																								1
106.25																								1
104.25																								1
102.25																								2
100.25																								7
98.25																								9
96.25																								30
94.25																								27
92.25																								86
90.25																								131
88.25																								178
86.25																								183
84.25																								217
82.25																								169
80.25																								152
78.25																								86
76.25																								36
74.25																								9
72.25																								2
TOTALS		5	23	64	143	205	230	241	186	117	70	28	7	6	1	2	2	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	.87*X -	2.06	.918
X- SHOULDER CIRCUMFERENCE	100.39	5.46	.96*Y +	2.16	

TABLE 245

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER CIRCUMFERENCE AND BUST CIRCUMFERENCE

SHOULDER CIRCUMFERENCE	SHOULDER CIRCUMFERENCE																TOT ALS						
	86 .50	89 .0	91 .50	94 .0	96 .50	99 .0	101 .50	104 .0	106 .50	109 .0	111 .50	114 .0	116 .50	119 .0	121 .50	124 .0		126 .50	129 .0	131 .50	134 .0	136 .50	139 .0
129.50																							1
127.00																							0
124.50																							0
122.00																							0
113.50																							1
117.00																							0
114.50																							3
112.00																							0
103.50																							3
107.00																							0
104.50																							0
102.00																							3
93.50																							7
97.00																							9
94.50																							14
92.00																							42
83.50																							74
87.00																							108
84.50																							177
82.00																							189
73.50																							205
77.00																							167
74.50																							88
72.00																							46
63.50																							8
TOTALS	5	23	64	143	205	230	241	186	117	70	28	7	6	1	2	2	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	.98*X -	3.60	.828
X- SHOULDER CIRCUMFERENCE	100.39	5.46	.70*Y +	3.06	

TABLE 246  
 A BIVARIATE FREQUENCY TABLE FOR  
 SHOULDER CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

		SHOULDER CIRCUMFERENCE													TOT									
		86	89	91	94	96	99	101	104	106	109	111	114	116	119	121	124	126	129	131	134	136	139	ALS
108.25	.50																							1
100.25	.00																							0
104.25	.00																							0
102.25	.00																							0
100.25	.00																							1
98.25	.00																							0
96.25	.00																							1
94.25	.00																							0
92.25	.00																							2
90.25	.00																							11
88.25	.00																							5
86.25	.00																							13
84.25	.00																							40
82.25	.00																							50
80.25	.00																							92
78.25	.00																							149
76.25	.00																							195
74.25	.00																							252
72.25	.00																							175
70.25	.00																							160
68.25	.00																							121
66.25	.00																							30
64.25	.00																							4
62.25	.00																							5
TOTALS		5	23	64	143	205	230	241	186	117	70	28	7	6	1	2	2	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	.74*X + .534	2.95	.808
X-SHOULDER CIRCUMFERENCE	100.39	5.46	.88*Y + 34.546	3.21	

TABLE 247

A BIVARIATE FREQUENCY TABLE FOR  
SHOULDER CIRCUMFERENCE AND WAIST CIRCUMFERENCE

SHOULDER CIRCUMFERENCE

SHOULDER CIRCUMFERENCE	86	89	91	94	96	99	101	104	106	109	111	114	116	119	121	124	126	129	131	134	136	139	TOT	
106.50																							1	
114.00																								0
111.50																								0
109.00																								0
106.50															1	1								2
104.00															1	1								1
101.50										1					1									2
99.00										1														0
96.50										1														1
94.00																								4
91.50																								10
89.00																								12
86.50																								19
84.00																								24
81.50																								37
79.00																								75
76.50																								105
74.00																								164
71.50																								180
69.00																								245
66.50																								202
64.00																								139
61.50																								83
59.00																								21
56.50																								4
TOTALS	5	23	64	143	205	230	241	186	117	70	28	7	6	1	2	2	0	0	0	0	0	0	0	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	.95*X -	4.52	.755
X- SHOULDER CIRCUMFERENCE	100.39	5.46	.60*Y +	3.58	

TABLE 248  
 A BIVARIATE FREQUENCY TABLE FOR  
 SHOULDER CIRCUMFERENCE AND SHOULDER LENGTH

		SHOULDER CIRCUMFERENCE																	TOT					
		86	89	91	94	96	99	101	104	106	109	111	114	116	119	121	124	126	129	131	134	136	139	ALS
18.50	.50																							2
						2		1		5	2	1												11
							1	3	5	3				1										14
					4	3	3	4	14	11	4	2	1		1								1	48
					5	6	16	13	20	11	5	1												79
				2	7	20	25	32	27	19	7	8	1	2										153
		3		5	15	35	40	40	26	26	21	6	1	1	1									217
				3	16	26	43	44	55	36	16	12	2											254
				2	10	29	37	57	52	11	9	6	1	1										237
		2		5	15	27	29	23	25	24	9	1	1			1								170
		1		6	8	16	20	10	11	7	3	2												84
		1		1	4	8	6	9	3	4	2	1				1								41
				2	2	4	1	2	1															13
		1		1	2	2	3	1																8
TOTALS		5	23	64	143	205	230	241	186	117	70	28	7	6	1	2	2	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- SHOULDER LENGTH	15.00	1.06	.00*X +	8.976	1.00
X- SHOULDER CIRCUMFERENCE	100.39	5.46	1.70*Y +	74.809	5.15
					.330

TABLE 249

A BIVARIATE FREQUENCY TABLE FOR  
CHEST CIRCUMFERENCE AT SCYE AND BUST CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE

	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	TOT	
129.50																										0	
127.00																											0
124.50																											0
122.00																											1
119.50																											0
117.00																											3
114.50																											0
112.00																											3
109.50																											3
107.00																											7
104.50																											9
102.00																											14
99.50																											42
97.00																											74
94.50																											108
92.00																											177
89.50																											189
87.00																											205
84.50																											186
82.00																											167
79.50																											88
77.00																											46
74.50																											8
72.00																											2
69.50																											1
TOTALS	2	9	38	86	152	169	217	183	176	131	86	27	30	9	7	2	1	1	1	1	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BUST CIRCUMFERENCE	88.21	6.43	1.03*X -	5.033	3.00
X-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	.71*Y +	22.916	2.42
					.884

TABLE 250

A BIVARIATE FREQUENCY TABLE FOR  
CHEST CIRCUMFERENCE AT SCYE AND CHEST CIRCUMFERENCE BELOW PUST

CHEST CIRCUMFERENCE AT SCYE

	72	74	76	78	80	82	84	86	86	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	IOF	ALS	
108.25																											1	
106.25																												0
104.25																												0
102.25																												0
100.25																												1
98.25																												0
96.25																												1
94.25																												0
92.25																												0
90.25																												2
88.25																												11
86.25																												5
84.25																												13
82.25																												40
80.25																												58
78.25																												92
76.25																												149
74.25																												195
72.25																												252
70.25																												175
68.25																												160
66.25																												121
64.25																												30
62.25																												4
TOTALS	2	9	38	86	152	169	217	163	178	131	86	27	30	9	7	2	1	1	1	1	0	0	0	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	.837X + 3.815	2.60	.855
X-CHEST CIRCUMFERENCE AT SCYE	85.55	2.19	.894Y + 16.956	2.69	

TABLE 251  
A BIVARIATE FREQUENCY TABLE FOR  
CHEST CIRCUMFERENCE AT SCYE AND WAIST CIRCUMFERENCE

		CHEST CIRCUMFERENCE AT SCYE																									
		72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	TOT
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
116.50																											1
114.00																											0
111.50																											0
109.00																											0
106.50																					1						2
104.00																						1					2
101.50																											0
99.00																											1
96.50																											0
94.00																											1
91.50																											4
89.00																											10
86.50																											12
84.00																											19
81.50																											24
79.00																											37
76.50																											75
74.00																											105
71.50																											164
69.00																											180
66.50																											245
64.00																											202
61.50																											139
59.00																											83
56.50																											21
TOTALS	2	9	38	86	152	169	217	183	176	131	86	27	30	9	7	2	1	1	1	1	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	$1.03^*X - 17.1u1$	4.34	.777
X-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	$.58^*Y + 44.360$	3.27	



TABLE 252

A BIVARIATE FREQUENCY TABLE FOR  
CHEST CIRCUMFERENCE AT SCYE AND HIP CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE

	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	TOT	
135.00																											
132.50																											
130.00																											
127.50																											
125.00																											
122.50																											
120.00																											
117.50																											
115.00																											
112.50																											
110.00																											
107.50																											
105.00																											
102.50																											
100.00																											
97.50																											
95.00																											
92.50																											
90.00																											
87.50																											
85.00																											
82.50																											
80.00																											
77.50																											
TOTALS	2	9	38	86	152	169	217	183	178	131	86	27	30	9	7	2	1	1	1	1	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	.89*X +	19.379	4.42
X-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	.59*Y +	29.194	3.60

TABLE 253  
A BIVARIATE FREQUENCY TABLE FOR  
CHEST CIRCUMFERENCE AT SCYE AND BACK CURVATURE-BUST

		CHEST CIRCUMFERENCE AT SCYE																TOT									
		72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	110	112	114	116	118	120	TOT
63.00																											1
61.50																											0
60.00																											0
58.50																											0
57.00																											0
55.50																											2
54.00																											2
52.50																											2
49.50																											7
48.00																											16
46.50																											38
45.00																											81
43.50																											129
42.00																											221
40.50																											258
39.00																											262
37.50																											155
36.00																											106
34.50																											40
33.00																											10
31.50																											0
30.00																											0
TOTALS		2	9	30	86	152	169	217	183	176	131	86	27	30	9	7	2	1	1	1	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	.49*X +	.052	1.85
X-CHEST CIRCUMFERENCE AT SCYE	85.55	5.19	1.33*Y +	29.727	3.04

TABLE 254

A BIVARIATE FREQUENCY TABLE FOR  
BUST CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

		BUST CIRCUMFERENCE																TOTALS										
		69	72	74	77	79	82	84	87	89	92	94	97	99	102	104	107	109	112	114	117	119	122	124	127	129	101	
108.25	.50																	1										
		106.25																										
104.25																												0
102.25																												0
100.25																												1
98.25																												0
96.25																												1
94.25																												0
92.25																												2
90.25																												11
88.25																												5
86.25																												13
84.25																												40
82.25																												58
80.25																												92
78.25																												149
76.25																												195
74.25																												252
72.25																												175
70.25																												168
68.25																												121
66.25																												38
64.25																												4
62.25																												5
TOTALS		1	2	8	46	80	167	186	205	189	177	108	74	42	14	9	7	3	0	3	0	1	0	0	0	1	1331	

SUMMARY STATISTICS

Y-CHEST CIRCUMFERENCE BELOW BUST	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
X-	74.82	5.02	$.08^*X + 14.834$	2.50	.867
BUST CIRCUMFERENCE	88.21	6.43	$1.11^*Y + 5.164$	3.21	

TABLE 255  
A BIVARIATE FREQUENCY TABLE FOR  
BUST CIRCUMFERENCE AND WAIST CIRCUMFERENCE

BUST CIRCUMFERENCE	BUST CIRCUMFERENCE																	TOT											
	69	72	74	77	79	82	84	87	89	92	94	97	99	102	104	107	109		112	114	117	119	122	124	127	129	129	ALS	
116.50																											1	0	
114.00																												0	0
111.50																												0	0
109.00																												2	2
106.50																												1	1
104.00																												2	0
101.50																												1	1
99.00																												0	0
96.50																												1	4
94.00																												10	10
91.50																												12	12
89.00																												19	19
86.50																												24	24
84.00																												37	37
81.50																												75	75
79.00																												105	105
76.50																												164	164
74.00																												180	180
71.50																												245	245
69.00																												202	202
66.50																												139	139
64.00																												83	83
61.50																												21	21
59.00																												4	4
56.50																												1	1
TOTALS	1	2	8	46	80	167	166	205	189	177	108	74	42	14	9	7	3	0	3	0	1	0	0	0	0	1	1331	1331	

SUMMARY STATISTICS

	Y-	X-	MEAN	STJ	JEV	REGRESSION EQUATIONS	SE-EST	R
	WAIST CIRCUMFERENCE	BUST CIRCUMFERENCE	71.01	6.90	6.90	.86*X -	4.850	.799
			86.21	6.43	6.43	.74*Y +	35.004	3.86

TABLE 256

A BIVARIATE FREQUENCY TABLE FOR  
BUST CIRCUMFERENCE AND HIP CIRCUMFERENCE

BUST CIRCUMFERENCE

Bust Circumference	69	72	74	77	79	82	84	87	89	92	94	97	99	102	104	107	109	112	114	117	119	122	124	127	129	TOTAL	
135.00																										1	
132.50																											1
130.00																											0
127.50																											0
125.00																											0
122.50																											2
120.00																											1
117.50																											1
115.00																											1
112.50																											3
110.00																											0
107.50																											14
105.00																											31
102.50																											54
100.00																											101
97.50																											166
95.00																											199
92.50																											225
90.00																											190
87.50																											165
85.00																											82
82.50																											54
80.00																											25
77.50																											6
TOTALS	1	2	8	46	88	167	186	205	189	177	108	74	42	14	9	7	3	0	3	0	1	0	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STJ DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	.71*X +	32.884	.715
X- BUST CIRCUMFERENCE	88.21	6.43	.72*Y +	19.443	4.49

TABLE 257  
A BIVARIATE FREQUENCY TABLE FOR  
BUST CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE

BUST CIRCUMFERENCE	BUST CIRCUMFERENCE																TOTALS								
	74	77	79	82	84	87	89	92	94	97	99	102	104	107	109	112		114	117	119	122	124	127	129	TOT
186.50																								1	
184.00																								0	
181.50																								1	
179.00																								0	
176.50																								0	
174.00																								2	
171.50																								5	
169.00																								15	
166.50																								17	
164.00																								32	
161.50																								67	
159.00																								107	
156.50																								141	
154.00																								173	
151.50																								170	
149.00																								183	
146.50																								163	
144.00																								116	
141.50																								60	
139.00																								42	
136.50																								16	
134.00																								12	
131.50																								6	
TOTALS	1	2	8	40	88	167	186	205	189	177	100	74	42	14	9	7	3	0	3	0	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-VERTICAL TRUNK CIRCUMFERENCE	153.84	7.27	.70*X +	92.093	.823
X-BUST CIRCUMFERENCE	88.21	6.43	.55*Y +	3.601	5.02

TABLE 258

A BIVARIATE FREQUENCY TABLE FOR  
BUST CIRCUMFERENCE AND BACK CURVATURE-BUST

BUST CIRCUMFERENCE

	69	72	74	77	79	82	84	87	89	92	94	97	99	102	104	107	109	112	114	117	119	122	124	127	129	TOT
63.00																										1
64.50																										0
66.00																										0
67.50																										0
69.00																										0
70.50																										2
72.00																										2
73.50																										7
75.00																										16
76.50																										38
78.00																										81
79.50																										129
81.00																										221
82.50																										258
84.00																										155
85.50																										106
87.00																										40
88.50																										10
90.00																										0
91.50																										0
93.00																										1
TOTALS	1	2	8	46	88	167	186	205	189	177	108	74	42	14	9	7	3	0	3	0	1	0	0	0	0	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	.42*X +	4.921	1.65
X- BUST CIRCUMFERENCE	88.21	6.43	1.73*Y +	15.605	3.35

TABLE 259  
A BIVARIATE FREQUENCY TABLE FOR  
CHEST CIRCUMFERENCE BELOW BUST AND WAIST CIRCUMFERENCE

CHEST CIRCUMFERENCE BELOW BUST

	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	TOT	
116.50																									1	
114.00																										0
111.50																										0
109.00															1											0
106.50																										2
104.00																										1
101.50															1											2
99.00																										0
96.50																										1
94.00																										4
91.50																										10
89.00																										12
86.50																										19
84.00																										24
81.50																										37
79.00																										75
76.50																										105
74.00																										164
71.50																										180
69.00																										245
66.50																										202
64.00																										139
61.50																										83
59.00																										21
56.50																										4
TOTALS	5	4	3	0	121	100	175	252	195	149	92	58	40	13	5	11	2	0	1	0	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST CIRCUMFERENCE	71.01	6.90	1.08*X -	9.792	4.27
X-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	.57*Y +	34.342	3.11
					.785



TABLE 260

A BIVARIATE FREQUENCY TABLE FOR  
CHEST CIRCUMFERENCE BELOW BUST AND HIP CIRCUMFERENCE

CHEST CIRCUMFERENCE BELOW BUST

	62	64	66	70	72	74	76	78	80	82	84	86	90	92	94	96	98	100	102	104	106	108	TOT	
135.00																								1
132.50																								1
130.00																								0
127.50																								0
125.00																								0
122.50																								2
120.00									1															1
117.50																								1
115.00																								3
112.50																								6
110.00																								14
107.50																								31
105.00																								54
102.50																								101
100.00																								166
97.50																								199
95.00																								225
92.50																								190
90.00																								165
87.50																								82
85.00																								54
82.50																								25
80.00																								6
77.50																								2
TOTALS	5	4	3	8	12	16	17	15	149	92	58	40	43	5	11	2	0	1	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	.89*X +	4.56	.700
X-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	.55*Y +	3.58	

TABLE 261

A BIVARIATE FREQUENCY TABLE FOR  
CHEST CIRCUMFERENCE BELOW BUST AND BACK CURVATURE-BUST

CHEST CIRCUMFERENCE BELOW BUST

	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	92	94	96	98	100	102	104	106	108	TOT	
63.00																									1	
61.50																										0
60.00																										0
58.50																										0
57.00																										0
55.50																										2
54.00																										2
52.50																										2
51.00																										7
49.50																										16
48.00																										30
46.50																										81
45.00																										129
43.50																										221
42.00																										258
40.50																										262
39.00																										155
37.50																										106
36.00																										40
34.50																										10
33.00																										0
31.50																										0
30.00																										1
TOTALS	5	4	4	38	121	168	175	252	195	149	92	58	40	13	5	11	2	0	1	0	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-cST	R
Y- BACK CURVATURE-BUST	41.97	3.17	.52*X +	1.77	.830
X-CHEST CIRCUMFERENCE BELOW BUST	74.82	5.02	1.31*Y +	19.838	2.80

TABLE 262

A BIVARIATE FREQUENCY TABLE FOR  
 WAIST CIRCUMFERENCE AND HIP CIRCUMFERENCE

		WAIST CIRCUMFERENCE												TOT														
		56	59	61	64	66	69	71	74	76	79	81	84	86	89	91	94	96	99	101	104	106	109	111	114	116	ALS	
		.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	1	
135.00	1																											
132.50	1																											
130.00	1																											
127.50	1																											
125.00	1																											
122.50	1																											
120.00	1																											
117.50	1																											
115.00	1																											
112.50	1																											
110.00	1																											
107.50	1																											
105.00	1																											
102.50	1																											
100.00	1																											
97.50	1																											
95.00	1																											
92.50	1																											
90.00	1																											
87.50	1																											
85.00	1																											
82.50	1																											
80.00	1																											
77.50	1																											
TOTALS	4	21	83	139	202	245	180	164	105	75	37	24	19	12	10	4	1	0	2	1	2	0	0	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HIP CIRCUMFERENCE	95.52	6.39	.66*X + 48.647	4.50	.709
X- WAIST CIRCUMFERENCE	71.01	8.90	.77*Y + -2.534	4.86	

TABLE 263

A BIVARIATE FREQUENCY TABLE FOR  
WAIST CIRCUMFERENCE AND BACK CURVATURE-WAIST

WAIST CIRCUMFERENCE

Back Curvature	50	59	61	6*	66	69	71	7*	76	79	81	84	86	89	91	9*	96	99	101	10*	106	109	111	11*	114	116	TOT
58.50																											1
57.00																											0
55.50																											1
54.00																											0
52.50																											0
51.00																											1
49.50																											2
48.00																											1
46.50																											1
45.00																											2
43.50																											1
42.00																											2
40.50																											15
39.00																											17
37.50																											30
36.00																											46
34.50																											83
33.00																											170
31.50																											225
30.00																											269
28.50																											237
27.00																											148
TOTALS	4	21	83	139	202	245	180	164	105	75	37	24	19	12	10	4	1	0	2	1	2	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y = BACK CURVATURE-WAIST	37.31	3.48	$.47^*X + 1.930$	1.20	.938
X = WAIST CIRCUMFERENCE	71.01	6.90	$1.86^*Y + 2.344$	2.38	

TABLE 2b4

A BIVARIATE FREQUENCY TABLE FOR  
 WAIST CIRCUMFERENCE AND WAIST BACK

WAIST CIRCUMFERENCE

	56	59	61	64	66	69	71	74	76	79	81	84	86	89	91	94	96	99	101	104	106	109	111	114	116	TOT	
51.75																										1	
50.75											1															0	
49.75											1															4	
48.75							1																			3	
47.75			1		1		1	1					2												1	8	
46.75				1	1	3	2	2				1	1	1	3	2										20	
45.75		3	2	4	7	5	2	4	1																	41	
44.75		1	5	6	6	7	7	14	5	7	2				1	2				1						57	
43.75	1	2	6	11	9	12	14	9	11	3	3	3	3								1					-85	
42.75		1	5	13	18	28	27	20	17	9	4	2	4	1	1	1										159	
41.75		2	6	18	32	39	28	28	18	14	5	6	3	3	1											204	
40.75	1	3	15	7	28	41	23	22	13	10	8	4	2													177	
39.75		7	13	25	37	39	30	19	6	3	3	3	2		1	1										191	
38.75		1	17	20	20	25	26	15	15	8	3	3	1	1												156	
37.75	2	3	8	14	25	23	9	12	8	5	3	1														112	
36.75		3	8	19	14	17	5	4	3	1	1															76	
35.75		1	1	6	4	4	3	2	2																	24	
34.75			1	3	1	3	1																			10	
33.75		2																								3	
TOTALS	4	21	83	139	202	242	180	164	105	75	37	24	19	12	10	4	1	0	2	1	2	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	40.85	2.65	.13*X +	31.621	2.51
X-	71.01	6.90	.85*Y +	36.290	6.52
					.329

TABLE 265

A BIVARIATE FREQUENCY TABLE FOR  
 WAIST CIRCUMFERENCE AND WAIST FRONT

Y- X-	WAIST CIRCUMFERENCE																			TOTALS						
	56	59	61	64	66	69	71	74	76	79	81	86	89	91	94	96	99	101	104		106	109	111	114	116	TOT
47.75																										1
46.75											1															3
45.75																										4
44.75																										6
43.75																										10
42.75																										18
41.75																										34
40.75																										44
39.75																										77
38.75																										147
37.75																										171
36.75																										223
35.75																										187
34.75																										170
33.75																										140
32.75																										68
31.75																										26
30.75																										8
29.75																										2
TOTALS	4	21	63	139	202	245	180	164	105	75	37	24	19	12	10	4	1	0	2	1	2	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	36.74	2.63	.19*X +	2.26	.509
X-	71.01	6.90	1.34*Y +	5.94	

TABLE 266

A BIVARIATE FREQUENCY TABLE FOR  
WAIST CIRCUMFERENCE AND AXILLA TO WAIST

WAIST CIRCUMFERENCE

	56	59	61	64	66	69	71	74	76	79	81	84	86	89	91	94	96	99	101	104	106	109	111	114	116	TOT		
34.75																												
33.75																												
32.75																												
31.75					1	1	1	1	1	1	2	1	1	1	4	1												
30.75					1	1	1	1	1	2	1	1	1	1	1	1									1			
29.75					1	2	6	1	3	4	6	1	2	2	1	1												
28.75		1			1	3	5	15	8	9	4	1	3	1	2													
27.75			2	3	3	5	5	15	8	9	4	1	3	1	2													
26.75			1	7	9	10	15	19	19	10	2	3	1	1	2													
25.75			3	10	11	24	29	22	16	14	8	7	3	5	1													
24.75			2	17	19	32	46	34	19	16	9	3	6	2	2													
23.75			2	5	29	31	41	29	10	9	4	3	3	1	1													
22.75			1	6	15	18	35	43	25	30	19	9	5	2	2													
21.75			6	16	22	29	25	23	18	15	7	8	2	2	1													
20.75			1	5	16	23	17	11	8	6	4	2	1	1														
19.75				5	7	6	9	6	3	1																		
18.75				2	5	4	2																					
17.75					2	1																						
16.75																												
TOTALS	4	21	83	139	202	245	180	164	105	75	37	24	19	12	10	4	1	0	2	1	2	0	0	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- AXILLA TO WAIST	23.10	2.52	.11*X +	15.289	2.39
X- WAIST CIRCUMFERENCE	71.01	6.90	.85*Y +	51.379	6.56

TABLE 267

A BIVARIATE FREQUENCY TABLE FOR  
HIP CIRCUMFERENCE AND UPPER THIGH CIRCUMFERENCE

HIP CIRCUMFERENCE

	77	80	82	85	87	90	92	95	97	100	102	105	107	110	112	115	117	120	122	125	127	130	132	135	TOT	
79.25																										
77.25																										0
75.25																										0
73.25																										2
71.25																										3
69.25																										12
67.25																										21
65.25																										27
63.25																										72
61.25																										159
59.25																										201
57.25																										245
55.25																										221
53.25																										151
51.25																										125
49.25																										56
47.25																										24
45.25																										10
43.25																										1
TOTALS	2	6	25	54	82	165	190	225	199	166	101	54	31	14	8	3	1	1	2	0	0	0	1	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- UPPER THIGH CIRCUMFERENCE	56.92	4.59	.65*X -	1.92	.909
X- HIP CIRCUMFERENCE	95.52	6.39	1.26*Y +	2.67	



TABLE 260

A BIVARIATE FREQUENCY TABLE FOR  
HIP CIRCUMFERENCE AND BACK CURVATURE--HIP

HIP CIRCUMFERENCE

BACK CURVATURE--HIP	77	80	82	85	87	90	92	95	97	100	102	105	107	110	112	115	117	120	122	125	127	130	132	135	TOTAL	
69.00																									1	
67.50																										0
66.00																										1
64.50																										0
63.00																										0
61.50																										0
60.00																										3
58.50																										4
57.00																										4
55.50																										11
54.00																										35
52.50																										37
51.00																										72
49.50																										105
48.00																										188
46.50																										214
45.00																										231
43.50																										192
42.00																										113
40.50																										74
39.00																										36
37.50																										9
36.00																										4
TOTALS	2	6	25	54	82	165	190	225	199	166	101	54	31	14	8	3	1	2	0	0	0	0	1	1	1331	

SUMMARY STATISTICS

	MEAN	STJ DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	47.51	3.74	.51*X -	1.85	.668
X-	95.52	6.39	1.48*Y +	3.17	

TABLE 269

A BIVARIATE FREQUENCY TABLE FOR  
 ARM SCYE CIRCUMFERENCE AND BICEPS CIRCUMFERENCE, FLEXED

		ARM SCYE CIRCUMFERENCE																TOT						
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	ALS
39.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
38.25																								0
37.25																								1
36.25																								0
35.25																								2
34.25																								4
33.25																								4
32.25																								12
31.25																								39
30.25																								71
29.25																								106
28.25																								202
27.25																								249
26.25																								207
25.25																								194
24.25																								132
23.25																								62
22.25																								34
21.25																								8
TOTALS		2	7	25	61	124	210	205	226	188	122	76	41	20	11	7	3	1	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS CIRCUMFERENCE, FLEXED	26.87	2.29	.75*X -	1.265	1.40
X- ARM SCYE CIRCUMFERENCE	37.52	2.42	.84*Y +	14.945	1.48
					.793

TABLE 270

A BIVARIATE FREQUENCY TABLE FOR  
ARM SCYE CIRCUMFERENCE AND ELBOW CIRCUMFERENCE, FLEXED

ARM SCYE CIRCUMFERENCE

ARM SCYE CIRCUMFERENCE	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	TOTAL
33.00																							1
32.50																							1
32.00																							0
31.50																							1
31.00																							5
30.50																							8
30.00																							8
29.50																							18
29.00																							29
28.50																							41
28.00																							63
27.50																							184
27.00																							120
26.50																							153
26.00																							161
25.50																							161
25.00																							134
24.50																							149
24.00																							79
23.50																							48
23.00																							26
22.50																							12
22.00																							6
21.50																							3
TOTALS	2	7	25	61	124	210	205	226	188	122	76	41	20	11	7	3	1	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ELBOW CIRCUMFERENCE, FLEXED	25.98	1.62	$.44^*X + 9.471$	1.23	.651
X- ARM SCYE CIRCUMFERENCE	37.52	2.42	$.97^*Y + 12.320$	1.84	

TABLE 271  
 A BIVARIATE FREQUENCY TABLE FOR  
 ARM SCYE CIRCUMFERENCE AND FOREARM CIRCUMFERENCE, FLEXED

		ARM SCYE CIRCUMFERENCE																TOT						
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	ALS
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
33.25																								1
32.25																								0
31.25																			1					0
30.25																								0
29.25																								6
28.25																								24
27.25																								77
26.25																								188
25.25																								329
24.25																								337
23.25																								226
22.25																								108
21.25																								31
20.25																								3
TOTALS		2	7	25	61	124	216	205	226	188	122	76	41	20	11	7	3	1	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-FOREARM CIRCUMFERENCE, FLEXED	24.63	1.53	.49*X +	6.246	.768
X- ARM SCYE CIRCUMFERENCE	37.52	2.42	1.21*Y +	7.717	1.55

TABLE 272

A BIVARIATE FREQUENCY TABLE FOR  
 BICEPS CIRCUMFERENCE, FLEXED AND ELBOW CIRCUMFERENCE, FLEXED

		BICEPS CIRCUMFERENCE, FLEXED																TOT									
		21	22	23	24	25	26	27									31	32	33	34	35	36	37	38	39		
		.25	.25	.25	.25	.25	.25	.25									.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
33.00																							1				
32.50																							1				
32.00																							0				
31.50																							1				
31.00																							5				
30.50																							8				
30.00																							8				
29.50																							18				
29.00																							29				
28.50																							41				
28.00																							63				
27.50																							104				
27.00																							120				
26.50																							153				
26.00																							161				
25.50																							161				
25.00																							134				
24.50																							149				
24.00																							79				
23.50																							48				
23.00																							26				
22.50																							12				
22.00																							6				
21.50																							3				
TOTALS		8	34	62	132	194	207	249	202	106	71	39	12	7	4	2	0	1	0	1	1331						

SUMMARY STATISTICS

	MEAN	STO DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ELBOW CIRCUMFERENCE, FLEXED	25.98	1.62	.47*X +	1.21	.668
X-BICEPS CIRCUMFERENCE, FLEXED	26.87	2.29	.94*Y +	1.71	

TABLE 271  
 A BIVARIATE FREQUENCY TABLE FOR  
 ARM SCYE CIRCUMFERENCE AND FOREARM CIRCUMFERENCE, FLEXED

		ARM SCYE CIRCUMFERENCE																TOTAL						
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	ALS
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
33.25																								1
32.25																								0
31.25																								1
30.25																								0
29.25																								0
28.25																								6
27.25																								24
26.25																								77
25.25																								168
24.25																								329
23.25																								337
22.25																								226
21.25																								108
20.25																								31
TOTALS		2	7	25	61	124	210	205	226	188	122	76	41	20	11	7	3	1	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-FOREARM CIRCUMFERENCE, FLEXED	24.63	1.53	.49*X +	.98	.768
X- ARM SCYE CIRCUMFERENCE	37.52	2.42	1.21*Y +	1.55	

TABLE 272

A BIVARIATE FREQUENCY TABLE FOR  
BICEPS CIRCUMFERENCE, FLEXED AND ELBOW CIRCUMFERENCE, FLEXED

		BICEPS CIRCUMFERENCE, FLEXED																		TOT	
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	ALS
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
33.00																					1
32.50																					1
32.00																					0
31.50																					1
31.00																					5
30.50																					8
30.00																					8
29.50																					18
29.00																					29
28.50																					41
28.00																					63
27.50																					104
27.00																					120
26.50																					153
26.00																					161
25.50																					161
25.00																					134
24.50																					149
24.00																					79
23.50																					48
23.00																					26
22.50																					12
22.00																					6
21.50																					3
TOTALS		8	34	62	132	194	207	249	202	106	71	39	12	7	4	2	0	1	0	1 1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	r
Y-ELBOW CIRCUMFERENCE, FLEXED	25.98	1.62	.47*X +	1.21	.068
X-BICEPS CIRCUMFERENCE, FLEXED	26.87	2.29	.94*Y +	1.71	

1-1

TABLE 273

A BIVARIATE FREQUENCY TABLE FOR  
 BICEPS CIRCUMFERENCE, FLEXED AND FOREARM CIRCUMFERENCE, FLEXED

BICEPS CIRCUMFERENCE, FLEXED

	21 .25	22 .25	23 .25	24 .25	25 .25	26 .25	27 .25	28 .25	29 .25	30 .25	31 .25	32 .25	33 .25	34 .25	35 .25	36 .25	37 .25	38 .25	39 .25	TOT ALS	
33.25																				1	
32.25																					0
31.25																					1
30.25																					0
29.25																					6
28.25																					24
27.25							4	13	18	19	15	5	2								77
26.25				1	2	16	33	54	39	29	9	3	1								188
25.25				5	15	47	112	98	31	15	6										329
24.25				1	5	32	67	82	35	12	4	1									337
23.25				2	19	56	90	39	18												226
22.25		1	17	29	36	19	6														108
21.25		4	14	9	2	1															31
20.25		3																			3
TOTALS	8	34	62	132	194	207	249	202	106	71	39	12	7	4	2	0	1	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-FOREARM CIRCUMFERENCE, FLEXED	24.03	1.53	$.26^*X + 9.581$	.84	.836
X-BICEPS CIRCUMFERENCE, FLEXED	26.87	2.29	$1.25^*Y + -3.914$	1.26	



TABLE 274

A BIVARIATE FREQUENCY TABLE FOR  
ELBOW CIRCUMFERENCE, FLEXED AND FOREARM CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

	21	22	23	24	25	26	27	28	29	30	31	32	33	TOT										
33.25														1										
32.25														0										
31.25												1		1										
30.25														0										
29.25														6										
28.25														24										
27.25														77										
26.25														168										
25.25														329										
24.25														337										
23.25														226										
22.25														108										
21.25														31										
20.25														3										
TOTALS	3	6	12	26	48	79	149	134	161	153	120	104	63	41	29	18	8	8	5	1	0	1	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-FOREARM CIRCUMFERENCE, FLEXED	24.63	1.53	.79*X +	.85	.834
X-ELBOW CIRCUMFERENCE, FLEXED	25.98	1.62	.88*Y +	.90	

TABLE 275

A BIVARIATE FREQUENCY TABLE FOR  
FOREARM CIRCUMFERENCE, FLEXED AND WRIST CIRCUMFERENCE

FOREARM CIRCUMFERENCE, FLEXED

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
17.45															1
17.25															0
17.05										1					1
16.85											1				3
16.65															5
16.45										2					2
16.25											3				12
16.05										2					19
15.85											4				60
15.65												2			50
15.45															74
15.25															114
15.05															114
14.85															150
14.65															158
14.45															162
14.25															147
14.05															77
13.85															77
13.65															42
13.45															38
13.25															13
13.05															7
12.85															5
TOTALS	3	31	108	226	337	329	188	77	24	6	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WRIST CIRCUMFERENCE	14.71	.69	.33*X +	.47	.730
X-FOREARM CIRCUMFERENCE, FLEXED	24.63	1.53	1.63*Y +	.659	1.05

TABLE 276

A BIVARIATE FREQUENCY TABLE FOR  
FOREARM CIRCUMFERENCE, FLEXED AND HAND CIRCUMFERENCE

		FOREARM CIRCUMFERENCE, FLEXED													TOT	
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	ALS
20	.25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
21.30									3							3
21.00								1	1	2						4
20.70								4	4	2	1					12
20.40								4	9	8	4	1				36
20.10					3			11	17	8	3	1				56
19.80				2	6			17	27	17	6	2				98
19.50			4	4	17			27	28	15	1		1			104
19.20			6	21	32			49	28	11	4			1		142
18.90			18	32	49			67	31	4	2					216
18.60			9	30	73			45	18	4	4					158
18.30			3	11	31			45	32	14	4	1				167
18.00			3	26	42			32	20	7	2					128
17.70			2	14	35			42	31	16						94
17.40			4	17	26			31	16		2					62
17.10		1	6	17	19			13	4	1						30
16.80		2	6	12	6			3	1							15
16.50			3	2	7			3								3
16.20			3													1
15.90			1													1
TOTALS	3	31	108	226	337	329	188	77	24	6	0	1	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HAND CIRCUMFERENCE	18.45	.80	.34*X +	.68	.614
X-FOREARM CIRCUMFERENCE, FLEXED	24.63	1.53	1.1J*Y +	4.338	1.21

TABLE 277  
 A BIVARIATE FREQUENCY TABLE FOR  
 WRIST CIRCUMFERENCE AND HAND CIRCUMFERENCE

HAND CIRCUMFERENCE	WRIST CIRCUMFERENCE																	TOTAL										
	12	13	13	13	13	14	14	14	14	14	14	14	14	15	15	15	16		16	16	16	16	16	17	17	17	17	17
	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	ALS	
21.30																												2
21.00																												3
20.70																												4
20.40																												12
20.10																												36
19.80																												56
19.50																												98
19.20																												104
18.90																												142
18.60																												216
18.30																												158
18.00																												167
17.70																												128
17.40																												94
17.10																												62
16.80																												30
16.50																												15
16.20																												3
15.90																												1
TOTALS	5	7	13	38	42	77	77	147	162	158	150	114	114	114	74	50	60	19	12	2	5	3	1	0	1	1331		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HAND CIRCUMFERENCE	18.45	.86	.92*X +	4.918	.58
X- WRIST CIRCUMFERENCE	14.71	.69	.59*Y +	3.822	.46
					.737

TABLE 27b

A BIVARIATE FREQUENCY TABLE FOR  
UPPER THIGH CIRCUMFERENCE AND KNEE CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	73	75	77	79	TOT
.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
45.75																				1
44.75																				0
43.75																				0
42.75																				3
41.75																				7
40.75																				12
39.75																				19
38.75																				44
37.75																				93
36.75																				160
35.75																				197
34.75																				246
33.75																				212
32.75																				163
31.75																				112
30.75																				47
29.75																				13
28.75																				2
TOTALS	1	10	24	56	125	151	221	245	201	159	72	27	21	12	3	2	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- KNEE CIRCUMFERENCE	34.83	2.26	$.38X + 13.20$	1.42	.760
X- UPPER THIGH CIRCUMFERENCE	56.92	4.29	$1.50Y + 1.889$	2.87	

TABLE 279

A BIVARIATE FREQUENCY TABLE FOR  
KNEE CIRCUMFERENCE AND CALF CIRCUMFERENCE

KNEE CIRCUMFERENCE

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	TOTAL
47.75																			1
48.75																			0
49.75																			0
50.75													1						1
51.75												1							1
52.75												1							4
53.75												1							6
54.75												1							19
55.75												1							37
56.75												1							66
57.75												1							105
58.75												1							180
59.75												1							196
60.75												1							228
61.75												1							184
62.75												1							129
63.75												1							84
64.75												1							64
65.75												1							20
66.75												1							4
TOTALS	2	13	47	112	163	212	246	197	160	93	44	19	12	7	3	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- CALF CIRCUMFERENCE	35.09	2.51	.08*X +	1.53	.794
X- KNEE CIRCUMFERENCE	34.83	2.26	.72*Y +	1.38	

TABLE 280

A BIVARIATE FREQUENCY TABLE FOR  
CALF CIRCUMFERENCE AND ANKLE CIRCUMFERENCE

CALF CIRCUMFERENCE

	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	TOT		
25.00																							1	
24.50																								5
24.00																								6
23.50																								23
23.00																								37
22.50																								93
22.00																								115
21.50																								154
21.00																								205
20.50																								205
20.00																								209
19.50																								133
19.00																								79
18.50																								35
18.00																								23
17.50																								6
17.00																								1
16.50																								1
TOTALS	2	4	20	64	84	129	184	220	190	180	105	66	37	19	6	4	1	1	0	0	0	1	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- ANKLE CIRCUMFERENCE	20.73	1.25	.39*X +	7.047	.77
X- CALF CIRCUMFERENCE	35.09	2.51	1.59*Y +	2.127	1.54

TABLE 281

A BIVARIATE FREQUENCY TABLE FOR ANKLE CIRCUMFERENCE AND HEEL-ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE	16 .50	17 .50	18 .50	19 .50	20 .50	21 .50	22 .50	23 .50	24 .50	25 .50	TOT ALS								
36.00							1				1								
35.50						1					2								
35.00					1		4		1		8								
34.50						1					4								
34.00					3	4	6	4			20								
33.50				1	1	7	12	5	1	1	31								
33.00				3	8	14	11	5	1	1	60								
32.50				5	8	15	16	7	3	1	87								
32.00				8	17	21	18	4	1	1	127								
31.50				13	27	34	22	2	1		143								
31.00				15	32	42	22	1	1		176								
30.50				16	42	52	11	1	3		167								
30.00				18	47	56	7	1	1		183								
29.50				20	52	60	4	1			131								
29.00				23	57	66	2	1			95								
28.50				27	62	71	1				48								
28.00				31	67	76					33								
27.50				35	72	81					7								
27.00				39	77	86					8								
TOTALS	1	1	6	23	35	79	133	209	265	205	154	115	93	37	23	6	5	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEEL-ANKLE CIRCUMFERENCE	30.79	1.46	$.76^*X +$	15.032	1.11
X- ANKLE CIRCUMFERENCE	20.73	1.25	$.56^*Y +$	3.491	.651



TABLE 282

A BIVARIATE FREQUENCY TABLE FOR INTERSCYE BACK AND INTERSCYE FRONT

INTERSCYE BACK

	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	TOT
40.50																			1
40.00																			0
39.50																			0
39.00													1						2
38.50															1				1
38.00																			3
37.50							3			1	2	2		1	1				12
37.00																			16
36.50																			23
36.00																			37
35.50																			62
35.00																			84
34.50																			102
34.00																			125
33.50																			140
33.00																			175
32.50																			139
32.00																			141
31.50																			84
31.00																			79
30.50																			50
30.00																			30
29.50																			16
29.00																			4
28.50																			5
TOTALS	3	7	27	44	67	160	201	233	208	157	103	64	18	12	5	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
INTERSCYE FRONT	33.17	1.75	.29*X +	1.61	.386
INTERSCYE BACK	37.86	2.35	.52*Y +	2.17	

TABLE 283

A BIVARIATE FREQUENCY TABLE FOR  
INTERSCYE BACK AND BACK CURVATURE-BUST

INTERSCYE BACK

	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	TOT
63.00																			1
61.50																			0
60.00																			0
58.50																			0
57.00																			0
55.50																			2
54.00																			2
52.50																			2
51.00																			7
49.50																			16
48.00																			38
46.50																			81
45.00																			129
43.50																			221
42.00																			258
40.50																			262
39.00																			155
37.50																			106
36.00																			40
34.50																			10
33.00																			0
31.50																			0
30.00																			1
TOTALS	3	7	27	44	87	100	201	233	208	157	103	64	18	12	5	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-BUST	41.97	3.17	.71*X +	15.092	2.70
X- INTERSCYE BACK	37.86	2.35	.39*Y +	21.489	2.00

TABLE 284

A BIVARIATE FREQUENCY TABLE FOR  
INTERSCYE BACK AND BACK CURVATURE-WAIST

INTERSCYE BACK

	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	TOT
58.50																			1
57.00													1						0
55.50																			1
54.00																			0
52.50													1						1
51.00																1			2
49.50																			1
48.00																			2
46.50																			7
45.00																			15
43.50																			17
42.00																			30
40.50																			46
39.00																			83
37.50																			170
36.00																			225
34.50																			269
33.00																			237
31.50																			148
30.00																			63
28.50																			12
27.00																			1
TOTALS	3	7	27	44	87	100	201	233	208	157	103	04	10	12	5	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
BACK CURVATURE-WAIST	35.31	3.48	$.67 * X +$	3.11	.420
INTERSCYE BACK	37.86	2.35	$.30 * Y +$	2.10	

TABLE 285

A BIVARIATE FREQUENCY TABLE FOR  
INTERSCYE BACK AND BACK CURVATURE-HIP

INTERSCYE BACK

	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	TOT ALS
69.00																			1
67.50																			0
66.00													1						1
64.50																			0
63.00																			0
61.50																			0
60.00																			3
58.50																			4
57.00																			11
55.50																			35
54.00																			37
52.50																			72
51.00																			105
49.50																			188
48.00																			214
46.50																			231
45.00																			192
43.50																			113
42.00																			74
40.50																			36
39.00																			9
37.50																			4
36.00																			1
TOTALS	3	7	27	44	87	160	201	233	208	157	103	64	18	12	5	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	.23*X +	3.52	.335
X- INTERSCYE BACK	37.86	2.35	.21*Y +	2.22	

TABLE 286

A BIVARIATE FREQUENCY TABLE FOR  
BACK CURVATURE-BUST AND BACK CURVATURE-WAIST

BACK CURVATURE-BUST

	30	31	33	34	36	37	39	40	42	43	45	46	48	49	51	52	54	55	57	58	60	61	63	TOT
58.50																								1
57.00																								0
55.50																								1
54.00																								0
52.50																								1
51.00																								2
49.50																								1
48.00																								2
46.50																								7
45.00																								15
43.50																								17
42.00																								30
40.50																								46
39.00																								83
37.50																								170
36.00																								225
34.50																								269
33.00																								237
31.50																								148
30.00																								63
28.50																								12
27.00																								1
TOTALS	1	0	0	10	40	100	195	262	258	221	129	81	38	16	7	2	2	2	0	0	0	0	0	1 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	35.31	3.48	.84X +	2.23	.758
X-	41.97	3.17	.70*Y +	2.03	

TABLE 287

A BIVARIATE FREQUENCY TABLE FOR  
BACK CURVATURE-BUST AND BACK CURVATURE-HIP

BACK CURVATURE-BUST

BACK CURVATURE-BUST	30	31	33	34	36	37	39	40	42	43	45	46	48	49	51	52	54	55	57	58	60	61	63	TOT	
69.00																								1	
67.50																									0
66.00																									1
64.50																									0
63.00																									0
61.50																									0
60.00																									3
58.50																									4
57.00																									11
55.50																									35
54.00																									37
52.50																									72
51.00																									105
49.50																									188
48.00																									214
46.50																									231
45.00																									192
43.50																									113
42.00																									74
40.50																									36
39.00																									9
37.50																									4
36.00																									1
TOTALS	1	0	0	10	40	106	155	262	258	221	129	61	38	16	7	2	2	2	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- BACK CURVATURE-HIP	47.51	3.74	.72*X +	2.95	.612
X- BACK CURVATURE-BUST	41.97	3.17	.52*Y +	2.51	

TABLE 288

A BIVARIATE FREQUENCY TABLE FOR  
BACK CURVATURE-WAIST AND BACK CURVATURE-HIP

BACK CURVATURE-WAIST

BACK CURVATURE-WAIST	27	28	30	31	33	34	36	37	39	40	42	43	45	46	48	49	51	52	54	55	57	58	TOT
69.00																							1
67.50																							0
66.00																							1
64.50																							0
63.00																							0
61.50																							0
61.00																							3
60.50																							4
57.00																							11
55.50																							35
54.00																							37
52.50																							72
51.00																							105
49.50																							188
48.00																							214
46.50																							231
45.00																							192
43.50																							113
42.00																							74
40.50																							36
39.00																							9
37.50																							4
36.00																							1
TOTALS	1	12	63	148	237	269	225	170	83	46	30	17	15	7	2	1	2	1	0	1	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - BACK CURVATURE-HIP	47.51	3.74	.70*X +	22.791	2.84
X - BACK CURVATURE-WAIST	35.31	3.48	.60*Y +	6.803	2.65

TABLE 289

A BIVARIATE FREQUENCY TABLE FOR  
 WAIST BACK AND WAIST FRONT

WAIST BACK

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	TOT
47.75																				1
46.75													1	1						3
45.75										1			2	2		1				4
44.75															2					6
43.75											3		3	2					1	10
42.75										2	2		2	1	2	2				18
41.75										5	7	6	1	6	3	1				34
40.75							1	3	9	5	8	8	5	3	3					44
39.75					1	3	7	10	11	10	10	8	9	3	3					77
38.75				1	7	15	9	22	29	33	14	9	6	1	3					147
37.75			3	3	7	19	23	17	30	30	14	8	5	4						171
36.75			2	1	14	5	40	28	44	30	14	12	2							223
35.75			4	12	17	23	33	39	28	19	8	4								187
34.75	1		4	10	25	32	35	29	15	13	3	1								170
33.75		3	7	20	24	25	21	22	10	4	3									140
32.75			2	4	8	12	12	5	3	4										60
31.75	2	2	1	5	3	5	5	1												26
30.75				1	2	1	4													8
29.75				2																2
TOTALS	3	10	24	76	112	156	191	177	204	159	85	57	41	20	8	3	4	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- WAIST FRONT	36.74	2.63	.60*X +	12.225	.602
X- WAIST BACK	40.85	2.65	.61*Y +	18.444	2.12



TABLE 290

A BIVARIATE FREQUENCY TABLE FOR  
SLEEVE INSEAM AND SLEEVE OUTSEAM

SLEEVE INSEAM

	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	TOT		
64.75																					2	
63.75																						0
62.75																						1
61.75																						4
60.75																						13
59.75																						32
58.75																						44
57.75																						78
56.75																						99
55.75																						130
54.75																						157
53.75																						174
52.75																						161
51.75																						172
50.75																						124
49.75																						36
48.75																						16
47.75																						10
46.75																						5
45.75																						1
44.75																						1
TOTALS	1	4	5	21	49	110	144	204	200	174	169	93	61	35	23	11	5	1	1	1331		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - SLEEVE OUTSEAM	53.00	2.96	1.02*X +	1.30	.838
X - SLEEVE INSEAM	45.05	2.01	.79*Y +	2.555	1.15

TABLE 291

A BIVARIATE FREQUENCY TABLE FOR HEAD CIRCUMFERENCE AND HEAD BREADTH

HEAD CIRCUMFERENCE	HEAD BREADTH																TOTAL								
	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64									
16.45																									
16.25																									
16.05																									
15.85																									
15.65																									
15.45																									
15.25																									
15.05																									
14.85																									
14.65																									
14.45																									
14.25																									
14.05																									
13.85																									
13.65																									
13.45																									
13.25																									
13.05																									
TOTALS	1	1	0	8	13	36	54	96	89	171	162	168	150	119	91	59	46	31	12	7	10	1	3	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEAD BREADTH	14.61	.54	.18*X +	.45	.548
X- HEAD CIRCUMFERENCE	54.92	1.64	1.67*Y +	1.37	

TABLE 292

A BIVARIATE FREQUENCY TABLE FOR  
HEAD CIRCUMFERENCE AND HEAD LENGTH

HEAD CIRCUMFERENCE

	49	50	50	51	51	52	52	53	53	54	54	54	55	55	56	57	57	58	58	59	59	60	60	61	TOT
	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	ALS
20.80																									4
20.50																									5
20.20																									21
19.90																									45
19.60																									113
19.30																									145
19.00																									212
18.70																									243
18.40																									233
18.10																									152
17.80																									73
17.50																									53
17.20																									20
16.90																									8
16.60																									2
16.30																									2
TOTALS	1	1	0	8	13	36	54	98	89	171	162	168	150	119	91	59	46	31	12	7	10	1	3	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	16.71	.67	.33*X +	.41	.796
X-	54.92	1.64	1.94*Y +	.39	

TABLE 293,

A BIVARIATE FREQUENCY TABLE FOR  
HEAD BREADTH AND HEAD LENGTH

	HEAD BREADTH																TOT ALS			
	13	13	13	13	14	14	14	14	14	14	15	15	15	15	15	16		16	16	16
	.25	.45	.65	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	
20.60					1															4
20.50						2														5
20.20					1	3														21
19.90		1			3	5														45
19.60			1		8	11	14	16	17	9	6									113
19.30				2	3	5	20	33	25	17	20	9	7	1	2	1				145
19.00	1		4	6	15	36	37	32	26	20	14	8	4	2	1					212
18.70		1	2	10	25	36	33	36	29	27	14	10	3	2	3	2				243
18.40			5	11	10	29	24	54	32	12	21	13	8	7	2					233
18.10			2	4	7	24	15	22	23	17	11	14	5	1						152
17.80		1	5	4	8	9	6	14	5	11	2	4	4							73
17.50		1		2	5	3	3	6	12	5	5	3	3	3	1					53
17.20				1	1	1	4	2	5	5	1									20
16.90					1	1	2	3												8
16.60																				2
16.30																				2
TOTALS	1	6	21	41	53	127	166	220	207	142	145	84	58	26	14	14	3	3	1331	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEAD LENGTH	18.71	.67	.20*X +	15.786	.66
X- HEAD BREADTH	14.61	.54	.13*Y +	12.182	.53

TABLE 294

A BIVARIATE FREQUENCY TABLE FOR  
HAND LENGTH AND PALM LENGTH

Palm Length	Hand Length																			TOT														
	14	15	15	15	16	16	16	17	17	17	17	17	17	18	18	18	19	19	19		20	20	20											
	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	TOT		
11.65																																	2	
11.45																																		2
11.25																																		9
11.05																																		24
10.85																																		36
10.65																																		65
10.45																																		107
10.25																																		132
10.05																																		207
9.85																																		195
9.65																																		192
9.45																																		155
9.25																																		100
9.05																																		65
8.85																																		30
8.65																																		7
8.45																																		2
8.25																																		1
TOTALS	2	5	15	27	62	101	141	174	168	171	146	106	84	45	40	27	10	4	3	1331														

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- PALM LENGTH	9.88	.92	.93*X +	.22	.908
X- HANU LENGTH	17.44	.90	1.57*Y +	1.927	.38

TABLE 295

A BIVARIATE FREQUENCY TABLE FOR  
HAND LENGTH AND HAND BREADTH

HAND LENGTH

	14	15	15	15	16	16	16	17	17	17	17	18	18	18	18	19	19	19	19	20	20	TOT
	.90	.80	.70	.60	.50	.40	.30	.20	.10	.00	.90	.80	.70	.60	.50	.40	.30	.20	.10	.00	.30	ALS
9.05								1														5
8.85								1														4
8.65								4														26
8.45								8														84
8.25								22														157
8.05								36														216
7.85								43														266
7.65								21														243
7.45								4														173
7.25								8														106
7.05								2														38
6.85								1														16
6.65								2														3
TOTALS	2	5	15	27	62	101	174	168	171	146	106	84	45	40	27	10	4	3	1331			

SUMMARY STATISTICS

	MEAN	STU	DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HAND BREADTH	7.62	.39		.26*X +	3.284	.602
X- HAND LENGTH	17.44	.90		1.40*Y +	6.496	.72

TABLE 296

A BIVARIATE FREQUENCY TABLE FOR  
HAND LENGTH AND HAND CIRCUMFERENCE

HAND CIRCUMFERENCE	HAND LENGTH																	TOT ALS			
	14 .90	15 .80	16 .70	17 .60	17 .50	17 .40	17 .30	17 .20	18 .10	18 .00	19 .90	19 .80	19 .70	20 .60	20 .50	20 .40	20 .30				
21.30																		2			
21.00																		3			
20.70																		4			
20.40																		12			
20.10																		36			
19.80																		56			
19.50																		98			
19.20																		104			
18.90																		142			
18.60																		216			
18.30																		158			
18.00																		167			
17.70																		128			
17.40																		94			
17.10																		62			
16.80																		30			
16.50																		15			
16.20																		3			
15.90																		1			
TOTALS	2	5	15	27	62	101	141	174	174	168	171	146	106	84	45	40	27	10	4	7	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HAND CIRCUMFERENCE	18.45	.86	$.26^*X +$	8.679	.69
X- HAND LENGTH	17.44	.90	$.62^*Y +$	6.006	.73
					.592

TABLE 297

A BIVARIATE FREQUENCY TABLE FOR  
HAND LENGTH AND FOOT LENGTH

HAND LENGTH

FOOT LENGTH	14	15	15	15	16	16	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	19	19	19	19	19	20	20	20	TOT
	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	.50	.80	.10	.40	.70	.0	.30	.60	.90	.20	.50	.80	.10	.40	.70	.0	.30	ALS
30.00																														1
29.50																														0
29.00																														0
28.50																														1
28.00																														5
27.50																														16
27.00																														15
26.50																														48
26.00																														95
25.50																														115
25.00																														169
24.50																														206
24.00																														205
23.50																														195
23.00																														130
22.50																														75
22.00																														36
21.50																														13
21.00																														6
TOTALS	2	5	15	27	62	101	141	174	168	171	146	106	84	45	40	27	10	4	3	1331										

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- FOOT LENGTH	24.32	1.25	1.13*X +	4.608	.72
X- HAND LENGTH	17.44	.90	.59*Y +	3.095	.815



TABLE 298

A BIVARIATE FREQUENCY TABLE FOR  
PALM LENGTH AND HAND BREADTH

HAND BREADTH	PALM LENGTH											TOTALS							
	8 .25	8 .45	8 .65	8 .85	9 .25	9 .45	9 .65	9 .85	10 .25	10 .45	10 .65		10 .85	11 .25	11 .45	11 .65	TOTALS		
9.05																5			
8.85																4			
8.65																26			
8.45																84			
8.25																157			
8.05																216			
7.85																266			
7.65																243			
7.45																173			
7.25																106			
7.05																38			
6.85																10			
6.65																3			
TOTALS	1	2	7	30	65	100	155	192	195	207	132	107	65	36	24	9	2	2	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HAND BREADTH	7.82	.39	$.36 \cdot X +$	4.261	.34
X- PALM LENGTH	9.88	.52	$.65 \cdot Y +$	4.800	.46

TABLE 299

A BIVARIATE FREQUENCY TABLE FOR  
HAND BREADTH AND HAND CIRCUMFERENCE

HAND BREADTH

	6	6	7	7	7	7	7	8	8	8	8	8	9	TOT
	.65	.85	.5	.25	.45	.65	.85	.5	.25	.45	.65	.85	.5	ALS
21.30														2
21.40														3
20.70														4
20.40														12
20.10														36
19.80														56
19.50														98
19.20														104
18.90														142
18.60														216
18.30														158
18.00														167
17.70														128
17.40														94
17.10														62
16.80														30
16.50														15
16.20														3
15.90														1
TOTALS	3	10	36	106	173	243	260	216	157	84	26	4	5	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y - HAND CIRCUMFERENCE	18.45	.86	2.06*X +	2.340	.933
X - HAND BREADTH	7.82	.39	.42*Y +	.071	

TABLE 300

A BIVARIATE FREQUENCY TABLE FOR  
FOOT LENGTH AND INSTEP LENGTH

FOOT LENGTH

	21	21	22	22	23	23	24	24	25	25	26	26	27	27	27	28	28	29	29	30	TOT
	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	ALS
21.50																					1
21.20																					0
20.90																					3
20.60																					6
20.30																					10
20.00																					21
19.70																					20
19.40																					38
19.10																					87
18.80																					68
18.50																					136
18.20																					162
17.90																					146
17.60																					186
17.30																					114
17.00																					128
16.70																					90
16.40																					48
16.10																					40
15.80																					13
15.50																					10
15.20																					3
14.90																					1
TOTALS	6	13	13	75	130	195	205	206	169	115	95	48	15	16	5	1	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INSTEP LENGTH	17.65	.99	.73*X +	.100	.926
X- FOOT LENGTH	24.32	1.25	1.18*Y +	3.252	.47

TABLE 301  
A BIVARIATE FREQUENCY TABLE FOR  
FOOT LENGTH AND HEEL-ANKLE CIRCUMFERENCE

		FOOT LENGTH													TOT						
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	ALS			
HEEL-ANKLE CIRCUMFERENCE	0 .50																	1			
	0 .50																	1			
36.00																		1			
35.50																		2			
35.00																		8			
34.50																		4			
34.00																		20			
33.50																		31			
33.00																		60			
32.50																		87			
32.00																		127			
31.50																		143			
31.00																		176			
30.50																		167			
30.00																		183			
29.50																		131			
29.00																		95			
28.50																		48			
28.00																		33			
27.50																		7			
27.00																		8			
TOTALS		6	13	36	75	130	195	205	206	169	115	95	48	15	16	5	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATION	SE-EST	R
Y- HEEL-ANKLE CIRCUMFERENCE	30.79	1.46	.93*X +	6.173	.87
X- FOOT LENGTH	24.32	1.25	.69*Y +	3.074	.75

TABLE 30?

A BIVARIATE FREQUENCY TABLE FOR  
FOOT LENGTH AND FOOT BREADTH

FOOT BREADTH	FOOT LENGTH																	TOT ALS		
	21 .0	21 .50	22 .0	22 .50	23 .0	23 .50	24 .0	24 .50	25 .0	25 .50	26 .0	26 .50	27 .0	27 .50	28 .0	28 .50	29 .0		29 .50	30 .0
10.75																				2
10.55																				3
10.35																				6
10.15																				10
9.95																				17
9.75																				51
9.55																				73
9.35																				142
9.15																				164
8.95																				195
8.75																				194
8.55																				195
8.35																				137
8.15																				72
7.95																				40
7.75																				17
7.55																				10
TOTALS	6	13	36	75	130	195	205	206	169	115	95	48	15	16	5	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- FOOT BREADTH	8.87	.52	.22*X + 3.716	.44	.532
X- FOOT LENGTH	24.32	1.25	1.29*Y + 12.681	1.06	

TABLE 303

A BIVARIATE FREQUENCY TABLE FOR  
FOOT LENGTH AND HEEL BREADTH

FOOT LENGTH

	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30	TOT
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	ALS
7.65																				1
7.45																				2
7.25																				13
7.05																				24
6.85																				45
6.65																				112
6.45																				121
6.25																				205
6.05																				310
5.85																				219
5.65																				169
5.45																				76
5.25																				27
5.05																				7
TOTALS	6	13	36	75	130	195	205	206	109	115	95	48	15	10	5	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- HEEL BREADTH	6.09	.41	.18*X +	1.711	.35
X- FOOT LENGTH	24.32	1.25	1.64*Y +	14.334	1.05

TABLE 304

A BIVARIATE FREQUENCY TABLE FOR  
FOOT LENGTH AND FOOT CIRCUMFERENCE

FOOT LENGTH

	21	21	22	22	22	23	23	24	24	24	25	25	25	26	26	27	27	28	28	29	29	30	TOT
	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	ALS
27.10																	1						1
26.60																	1						1
26.10											1	4						1					6
25.60											4	3							1				12
25.10											4	4											21
24.60											4	6											42
24.10											5	6											102
23.60						1	3	8	16	27	26	24	19	14	5	2							162
23.10						1	15	19	31	44	33	22	13	3	2								184
22.60						2	10	21	39	50	45	38	22	12	6								247
22.10						3	6	12	35	46	39	36	20	11	7	5							220
21.60						1	2	6	20	23	35	26	15	11	5								145
21.10						2	9	16	21	22	18	13	6	3	2								112
20.60						3	4	12	8	14	8	4											53
20.10						1	2	6	1	5	1												17
19.60						1	3	1	1	3	1												6
TOTALS	6	13	36	75	130	195	205	206	169	115	95	48	15	16	5	1	0	0	0	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- FOOT CIRCUMFERENCE	22.61	1.14	.54*X +	9.477	.92
X- FOOT LENGTH	24.32	1.25	.65*Y +	9.623	1.01

TABLE 305

A BIVARIATE FREQUENCY TABLE FOR FOOT LENGTH AND INSTEP CIRCUMFERENCE

FOOT LENGTH

	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30	TOT
.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	.0	.50	ALS
27.70																				3
27.20							2		1	1	1		2	1						7
26.70								1	2	3	2		1	1	2					11
26.20							2	3	5	8	4		4	4						26
25.70							2	6	1	10	7		4	5	1					39
25.20					1	1	15	11	16	14	10		2	2	1					78
24.70					2	7	18	26	23	19	14		4	4	1					134
24.20					1	11	34	31	24	19	11		3	2	1					157
23.70					1	3	42	33	19	11	5		1							199
23.20	1	3	6	8	10	23	39	25	16	6	3		1							219
22.70		2	2	5	12	24	41	24	16	7	2			1						178
22.20		1	2	2	17	27	34	15	12	12	2									135
21.70	3	2	6	6	17	18	16	3	3	1										91
21.20	1	2	2	10	7	4	5	2	2											33
20.70			6	3	2	2	1													17
20.20		2	1																	4
TOTALS	6	13	36	75	133	195	205	206	169	115	95	48	15	16	5	1	0	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INSTEP CIRCUMFERENCE	23.48	1.26	.06*X +	7.429	.95
X- FOOT LENGTH	24.32	1.25	.05*Y +	9.057	.94



TABLE 306

A BIVARIATE FREQUENCY TABLE FOR  
INSTEP LENGTH AND FOOT BREADTH

INSTEP LENGTH	FOOT BREADTH												TOTAL											
	14	15	16	17	18	19	20	21	22	23	24	25												
10.75																								
10.55																								
10.35																								
10.15																								
9.95																								
9.75																								
9.55																								
9.35																								
9.15																								
8.95																								
8.75																								
8.55																								
8.35																								
8.15																								
7.95																								
7.75																								
7.55																								
TOTALS	1	3	14	13	40	48	90	128	114	186	146	162	130	68	87	38	20	21	10	6	3	0	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y-	8.87	.52	.25*X +	.45	.481
X-	17.85	.99	.92*Y +	.86	

TABLE 307

A BIVARIATE FREQUENCY TABLE FOR  
INSTEP LENGTH AND INSTEP CIRCUMFERENCE

INSTEP CIRCUMFERENCE	INSTEP LENGTH																					TOT ALS		
	14 .90	15 .80	16 .70	17 .60	18 .50	19 .40	20 .30	21 .20	22 .10	23 .00	24 .90	25 .80	26 .70	27 .60	28 .50	29 .40	30 .30	31 .20	32 .10	33 .00	34 .90			
27.70																							3	
27.20																								7
26.70																								11
26.20																								26
25.70																								39
25.20																								78
24.70																								134
24.20																								157
23.70																								199
23.20																								219
22.70																								178
22.20																								135
21.70																								91
21.20																								33
20.70																								17
20.20																								4
TOTALS	1	3	10	13	40	48	90	128	114	186	146	162	136	68	87	38	20	21	10	6	3	0	1	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INSTEP CIRCUMFERENCE	23.48	1.26	.83X +	8.662	.97
X- INSTEP LENGTH	17.85	.99	.50Y +	6.113	.644

TABLE 308

A BIVARIATE FREQUENCY TABLE FOR  
FOOT BREADTH AND HEEL BREADTH

FOOT BREADTH

	7	7	7	8	8	8	9	9	9	9	9	10	10	10	10	TOT
	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	ALS
7.65																1
7.45																2
7.25																13
7.05																24
6.85																45
6.65																112
6.45																121
6.25																205
6.05																310
5.85																219
5.65																169
5.45																76
5.25																27
5.05																7
TOTALS	17	40	72	137	195	194	195	164	145	73	51	17	10	6	3	2 1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
HEEL BREADTH	6.09	.41	.40*X +	2.5 <sup>1/2</sup>	.503
FOOT BREADTH	6.87	.52	.63*Y +	5.031	.45

TABLE 309

A BIVARIATE FREQUENCY TABLE FOR  
FOOT BREADTH AND FOOT CIRCUMFERENCE

FOOT BREADTH

	7	7	7	8	8	8	8	9	9	9	9	9	10	10	10	10	TOT	
	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	ALS
27.10																		1
26.60																		1
26.10																		6
25.60																		12
25.10																		21
24.60																		42
24.10																		102
23.60																		162
23.10																		184
22.60																		247
22.10																		220
21.60																		149
21.10																		112
20.60																		53
20.10																		17
19.60																		6
TOTALS	10	17	40	72	137	195	194	195	164	145	73	51	17	10	6	3	2	1331

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y- FOOT CIRCUMFERENCE	22.61	1.14	1.006X +	5.940	.61
X- FOOT BREADTH	8.87	.52	.387Y +	.275	.27

TABLE 310

A BIVARIATE FREQUENCY TABLE FOR  
FOOT CIRCUMFERENCE AND INSTEP CIRCUMFERENCE

FOOT CIRCUMFERENCE

	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	TOT
	.60	.60	.60	.60	.60	.60	.60	.60	.60	.60	.60	.60	.60	.60	.60	.60	ALS
27.70								1									3
27.20								1		1							7
26.70								1		1							11
26.20								6		6							26
25.70								5		8							39
25.20								2		19							78
24.70								12		34							134
24.20								20		35							157
23.70								39		35							199
23.20								50		37							219
22.70								64		42							178
22.20								45		26							135
21.70								34		32							91
21.20								24		16							33
20.70								3		4							17
20.20								6		1							4
TOTALS	6	17	53	112	145	220	247	184	162	102	42	21	12	6	1	1	1331

SUMMARY STATISTICS

	MEAN	STU DEV	REGRESSION EQUATIONS	SE-EST	R
Y- INSTEP CIRCUMFERENCE	23.48	1.26	.86*X +	4.030	.79
X- FOOT CIRCUMFERENCE	22.61	1.14	.71*Y +	5.938	.72

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