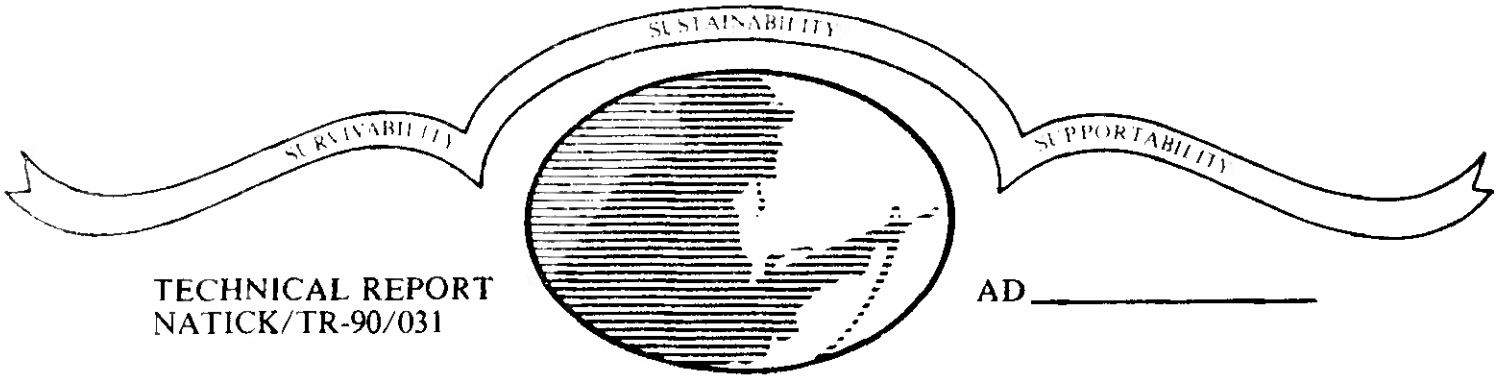

TECHNICAL REPORT
NATICK/TR-90/031

AD_____

1988 ANTHROPOMETRIC SURVEY OF US ARMY PERSONNEL: BIVARIATE FREQUENCY TABLES

BY

JAMES CHEVERUD
CLAIRE C. GORDON*
ROBERT A. WALKER*
CASHELL JACQUISH
LUCI KOHN
ALLEN MOORE
NYUTA YAMASHITA

MAY 1990

FINAL REPORT
APRIL 1989 - MARCH 1990

UNITED STATES ARMY NATICK
RESEARCH, DEVELOPMENT AND ENGINEERING CENTER
NATICK, MASSACHUSETTS 01760-5000
NORTHWESTERN UNIVERSITY, EVANSTON, ILLINOIS 60201
*SOLDIER SCIENCE DIRECTORATE

DISCLAIMERS

The findings contained in this report are not to be construed as an official Department of the Army position unless so designated by other authorized documents.

Citation of trade names in this report does not constitute an official endorsement or approval of the use of such items.

DESTRUCTION NOTICE

For Classified Documents:

Follow the procedures in DoD 5200.22-M, Industrial Security Manual, Section II-19 or DoD 5200.1-R, Information Security Program Regulation, Chapter IX.

For Unclassified/Limited Distribution Documents:

Destroy by any method that prevents disclosure of contents or reconstruction of the document.

ERRATA

TITLE: 1988 Anthropometric Survey of U.S. Army Personnel: Bivariate Frequency Tables

AUTHORS: James Cheverud, Claire C. Gordon, Robert A. Walker, Cashell Jacquish, Luci Kohn, Allen Moore, and Nyuta Yamashita

TECHNICAL REPORT: Natick/TR-90/031

AD NUMBER: A222-782

Publication Year: May 1990

On page 4 of the above Technical Report, the following statement should be disregarded:

> "Note: All measurements refer to a subject's left side unless otherwise specified."

The correct statement is contained in the first paragraph, page 4:

> "Where there was a choice of right or left sides, all measurements were taken on the right side of the body unless specified otherwise or, in rare cases, where an injury or anatomical abnormality made it necessary to measure on the left side."

ERRATA

TITLE:	1988 Anthropometric Survey of U.S. Army Personnel: Bivariate Frequency Tables
AUTHORS:	James Cheverud, Claire C. Gordon, Robert A. Walker, Dashell Jacquish, Luci Kohn, Allen Moore, and Nyuta Yamashita
TECHNICAL REPORT:	Natick/TR-90/03,
AD NUMBER:	A222-782
Publication Year:	May 1990

The attached page should be substituted for page 216 in the above Technical Report.

TABLE 207
BIVARIATE FREQUENCY TABLES - FEMALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX	742	742 781	781 820	820 859	859 898	898 937	937 976	976 1015	1015 1054	1054 1093	1093 1132	1132 1171	1171 1210	1210 1249	1249	TOTAL
1360.			0.9	0.9	1.4											3.2
1360 1399	0.5	2.3	3.2	7.7	3.2	0.9										17.7
1399 1438		2.3	16.3	32.2	18.6	5.4	0.9	0.5								76.1
1438 1477		0.9	12.7	40.3	40.8	21.3	5.0	1.8								122.7
1477 1516		1.8	10.9	43.9	72.9	46.6	24.0	7.2	1.4							208.8
1516 1555		0.5	1	32.2	55.7	72.9	34.4	19.0	3.2	0.5						228.3
1555 1594		0.5	0.9	1	38.9	48.5	41.7	19.9	8.6	1.4						170.3
1594 1633			0.5	2.3	13.1	21.3	23.6	20.4	10.9	5.0						96.9
1633 1672				0.9	3.6	8.6	16.8	9.1	7.2	4.5	0.9	0.5	0.5			52.5
1672 1711						1.8	1.8	3.2	3.6	3.6	1.4	0.5				15.9
1711 1750							0.5	1.8	1.8	1.4	0.9					6.3
1750 1789						0.5				0.5		0.5				1.4
1789 1828																
1828 1867																
1867																
TOTAL	0.5	8.2	55.3	170.3	248.2	227.8	148.6	82.9	36.7	16.8	3.2	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1530.192	69.200	0.632	905.499	0.689	53.632
34 CHSTCIRC	887.042	53.226	0.632	19.227	0.580	49.228

Unclassified

SECURITY CLASSIFICATION OF THIS PAGE

REPORT DOCUMENTATION PAGE

Form Approved OMB No. 0704-0188

1a. REPORT SECURITY CLASSIFICATION: Unclassified	1b. RESTRICTIVE MARKINGS
2a. SECURITY CLASSIFICATION AUTHORITY	3. DISTRIBUTION / AVAILABILITY OF REPORT: Approved for public release; Distribution unlimited
2b. DECLASSIFICATION / DOWNGRADING SCHEDULE	
4. PERFORMING ORGANIZATION REPORT NUMBER(S)	5. MONITORING ORGANIZATION REPORT NUMBER(S): NATICK/TR-90/031
6a. NAME OF PERFORMING ORGANIZATION: Northwestern University; 6b. OFFICE SYMBOL (If applicable)	7a. NAME OF MONITORING ORGANIZATION: U.S. Army Natick RD&E Center
6c. ADDRESS (City, State, and ZIP Code): Evanston, Illinois 60201	7b. ADDRESS (City, State, and ZIP Code): Natick, Massachusetts 01760-5000
8a. NAME OF FUNDING / SPONSORING ORGANIZATION; 8b. OFFICE SYMBOL (If applicable): STRNC-YBF	9. PROCUREMENT INSTRUMENT IDENTIFICATION NUMBER: Contract DAAK60-89-C-1006
8c. ADDRESS (City, State, and ZIP Code)	10. SOURCE OF FUNDING NUMBERS: PROGRAM ELEMENT NO. 728012.12; PROJECT NO. OMA; TASK NO.; WORK UNIT ACCESSION NO.

11. TITLE (Include Security Classification)

1988 ANTHROPOMETRIC SURVEY OF U.S. ARMY PERSONNEL: BIVARIATE FREQUENCY TABLES

12. PERSONAL AUTHOR(S) James Cheverud, Claire C. Gordon*, Robert A. Walker*, Cashell Jacquish, Luci Kohn, Allen Moore, and Nyuta Yamashita

13a. TYPE OF REPORT	13b. TIME COVERED	14. DATE OF REPORT (Year, Month, Day)	15. PAGE COUNT
Final	FROM 1Apr89 TO 31Mar90	1990 May	286

16. SUPPLEMENTARY NOTATION

*Affiliated with Soldier Science Directorate, U.S. Army Natick Research, Development, and Engineering Center

17. COSATI CODES		
FIELD	GROUP	SUB-GROUP

18. SUBJECT TERMS (Continue on reverse if necessary and identify by block number)

ANTHROPOMETRY; HUMAN BODY SIZE; MEN; ANTHROPOMETRIC SURVEY; MEASUREMENTS; WOMEN; ANTHROPOMETRIC DATA; DIMENSIONS; ARMY

19. ABSTRACT (Continue on reverse if necessary and identify by block number)

In this report, bivariate frequency tables based on data from the 1988 Anthropometric Survey of U.S. Army Personnel are presented to facilitate the use of these data by designers of clothing, equipment, and workspaces which Army personnel will wear or use. For each pair of dimensions a bivariate frequency table is presented first for males and females combined, then for males and females separately.

This report is complete in this volume. The 1988 Anthropometric Survey of US Army Personnel: Regression Equations and Correlation Coefficients **appears in five parts, as follows.** Part 1 Statistical Techniques, Landmark, and Measurement Definitions (pp. 1--51), NATICK/TR-90/032; Part 2 Simple and Partial Correlation Tables--Male (pp. 52--312), NATICK/TR-90/033; Part 3 Simple and Partial Correlation Tables--Female (pp 313--572), NATICK/TR-90/034; Part 4 Bivariate Regression Tables (pp. 573--853), NATICK/TR-90/035; Part 5 Stepwise and Standard Multiple Regression Tables (pp. 854--984), NATICK/TR-90/036.

20. DISTRIBUTION / AVAILABILITY OF ABSTRACT	21. ABSTRACT SECURITY CLASSIFICATION	
☒ UNCLASSIFIED/UNLIMITED ☐ SAME AS RPT. ☐ DTIC USERS	Unclassified	
22a. NAME OF RESPONSIBLE INDIVIDUAL: Dr. Robert A. Walker	22b TELEPHONE (Include Area Code): 508-651-4157	22c. OFFICE SYMBOL: STRNC-YBF

DD Form 1473, JUN 86 *Previous editions are obsolete.*

SECURITY CLASSIFICATION OF THIS PAGE

Unclassified

CONTENTS

CONTENTS--(continued)

CONTENTS--(continued)

CONTENTS--(continued)

CONTENTS--(continued)

CONTENTS--(continued)

CONTENTS--(continued)

CONTENTS--(continued)

PREFACE

This report was prepared for use by Army and other personnel in designing human-materiel interfaces. The work was begun in the Department of Cell Biology & Anatomy, Northwestern University, Evanston, IL and completed in the Department of Anatomy & Neurobiology at the Washington University School of Medicine, St. Louis, MO. We wish to thank the contract administrators at both institutions, and at the U. S. Army Natick Research, Development, and Engineering Center, for their help in facilitating the work, especially in regard to moving the project in midstream.

This report was prepared by James M. Cheverud and colleagues at Northwestern University and Washington University under Army contract DAAK60-89-C-1006 during the period April 1989 through March 1990. Dr. Claire C. Gordon was the project director of the U. S. Army 1988 Anthropometric Survey, and Dr. Robert A. Walker was the project officer for the contract. Dr. Gordon and Dr. Walker are affiliated with the Anthropology Group, Materiel Systems Human Factors Branch, Behavioral Sciences Division, Soldier Science Directorate.

1988 ANTHROPOMETRIC SURVEY OF US ARMY PERSONNEL: BIVARIATE FREQUENCY TABLES

CHAPTER I

INTRODUCTION

The Army has the responsibility to provide clothing, personal protective equipment, and workspaces that accommodate the full range of body size variation present in its user population. This mission can be accomplished only with the aid of an anthropometric data base that accurately reflects the body size and shape distributions of soldiers. Recently (1987-1988), the Army updated its 20 year old data base by conducting a full-scale anthropometric survey that consisted of over 180 body and head dimensions taken on a sample of more than 9000 soldiers.[1] Previous anthropometric surveys were conducted in 1966 for males[2] and in 1977 for females.[3] The demographic composition of the Army has changed dramatically since these earlier surveys in the proportional representation of various age, sex and racial groups.[4] Thus it was apparent in the mid-80s that the Army's anthropometric data base needed to be generated anew in order to account for demographic changes and secular trends in body size and proportion.

The survey featured a sampling strategy in which demographic minority groups were intentionally "oversampled" in order to accommodate anticipated demographic shifts in the Army population and in order to support basic research goals. This methodology will allow researchers to use the data collected to anticipate future changes in the composition of the Army's staff. Survey participants were selected at random within their age/gender/race strata at 11 Army posts in the continental United States.

At the close of the survey, a working data base representing the male and female components was created by stratified random sampling of the total data base, such that the age/race distributions of the working subsets exactly match those of the June 1988 Active Duty Army. The working sample contains 1774 male individuals and 2208 females. Demographic details of the working data base sample, along with basic statistics for the measurements taken, can be found in Gordon et al.[1]

In this report we present a series of bivariate frequency tables and associated correlation and regression statistics among anthropometric measurements so that designers of Army materiel systems will be able to utilize the data to improve the human-materiel interface. Chapter II details the means by which the tables were generated. A total of 39 anthropometric measurements are included in the tables. Definitions of each of the measurements analyzed are provided in Chapter III. The bivariate frequency tables are contained in Chapter IV. For each bivariate comparison, separate tables are presented for males, females, and for the sexes combined. For each comparison, the combined sex table is presented first, followed by the male and then female tables.

Bivariate frequency tables have traditionally been used by man-materiel designers as a convenient summary of the bivariate distributions of important pairs of variables. A series of 90 variable pairs of particular interest have been chosen from among the 16,110 potential pairs contained in the working data base. These pairs were chosen by Dr. Claire C. Gordon and Dr. Robert A. Walker due to their common use in materiel design.

CHAPTER II

TECHNIQUES FOR GENERATING BIVARIATE FREQUENCY TABLES

The bivariate frequency tables were generated in a standard fashion for all pairs of measurements. First, each variable included in the tables was divided into 15 equal interval, ordered categories spanning the range from the minimum to the maximum value in both sexes. All categories were divided at integer values for ease of use. The categories cover ranges of both sexes so that the information will be comparable in the male, female, and combined sex tables. For the male and female tables, a total of 225 cross-tabulated categories were constructed and the raw frequency of individuals in the working data base in each bivariate and marginal category was tabulated. The raw frequencies were then used to derive the number of individuals per thousand contained in each cell. The number of individuals per thousand are reported in the tables.

The combined sex table was generated by the weighted average of the male and female tables. The male frequency per thousand was weighted by 0.90 and the female frequency was weighted by 0.10. Categories containing no individuals are left blank.

In addition to the frequencies per thousand, some basic statistics are included separately by sex for each pair of variables. The mean and standard deviation of each variable are provided.[1] In addition the bivariate correlation and regressions of variable 1 on variable 2, and vice versa are also included.[5]

The tables are all of the same format with rows defined by the first variable listed and columns by the second variable. All measurements are given in millimeters, except weight, which is in centigrams (tenths of a kilogram). The pairs of values presented across the top of the table give the minimum and maximum values for each of the 15 categories of the second (column) variable, while pairs along the left hand margin indicate the minimum and maximum values for categories of the first (row) variable. For example, Table 1 presents the bivariate frequencies of Ball of Foot Length (BLFTLGTH) and Ball of Foot Circumference (BLFTCIRC). For 1000 U. S. Army personnel, 10.4 have a Ball of Foot Circumference 222 to 230 cm, and a Ball of Foot Length 171 to 177 cm. Marginal row totals for the first variable are given in the far left hand column while the bottom row provides column marginal totals detailing the frequencies per thousand for the second (column) variable. The Ball of Foot Circumference is between 222 and 230 cm for 75.8 of 1000 individuals, and 47.4 of 1000 individuals have a Ball of Foot Length between 171 and 177 cm.

CHAPTER III

STANDARD MEASUREMENT DEFINITIONS

One hundred and thirty-two directly measured anthropometric dimensions were obtained in the survey using standard instruments and methods. Of these, forty-seven selected measurements are included in the bivariate frequency tables. Where there was a choice of right or left sides, all measurements were taken on the right side of the body unless specified otherwise or, in rare cases, where an injury or anatomical abnormality made it necessary to measure on the left side. All anthropometric dimensions were recorded to the nearest millimeter and all results reported here for these dimensions are in millimeters. This allows standard errors and regression coefficients to be specified with a greater degree of precision than allowed on a centimeter scale. Weight is reported to the nearest 0.1 kilogram. Detailed illustrated instructions for taking the measurements are included in Clauser et al.[6] while detailed definitions are provided in Gordon et al.[1]

The working data base sample analyzed here includes 1774 males and 2208 females. All measurements reported here are available for each individual.

For each measurement, the listing provides the working data base variable number, which is used to identify variables in the tables below, the full measurement name, an eight character abbreviated name also defined in the data base, and a brief definition. The data base variable numbers are not consecutive because some variables in the data base are not used in this report. Also data base number 1 corresponds to ID number.

Note: All measurements refer to a subject's left side unless otherwise specified.

9 BALL OF FOOT CIRCUMFERENCE (BLFTCIRC) -- circumference of the foot at the first and fifth metatarsophalangeal protrusion landmarks on the ball of the foot.

10 BALL OF FOOT LENGTH (BLFTLGTH) -- distance between the back of the heel and the landmark at the first metatarsophalangeal protrusion on the ball of the foot.

12 BICEPS CIRCUMFERENCE, FLEXED (BICIRCFL) – circumference of the upper arm at the level of the flexed biceps point measured perpendicular to the long axis of the arm.

13 BIDELTOID BREADTH (BIDLBDTH) -- maximum horizontal distance between the lateral margins of the upper arms on the deltoid muscles.

23 BUSTPOINT/THELION - BUSTPOINT/THELION BREADTH (BSTPTBR) -- distance between the right and left bustpoints on women and the center of the nipples (thelion) on men.

24 BUTTOCK CIRCUMFERENCE (BUTTCIRC) -- horizontal circumference of the trunk at the level of the maximum protrusion of the right buttock.

29 CALF CIRCUMFERENCE (CALFCIRC) -- maximum horizontal circumference of the calf.

33 CHEST BREADTH (CHSTBDTH) -- maximum horizontal breadth of chest at the level of the bustpoint/thelion.

34 CHEST CIRCUMFERENCE (CHSTCIRC) -- maximum horizontal circumference of the chest at the level of the bustpoint on women and the nipple on men.

39 CROTCH HEIGHT (CRCHHGHT) -- vertical distance between the standing surface and the crotch.

51 FOOT BREADTH, HORIZONTAL (FTBRHOR) -- maximum breadth of the standing foot between the first and fifth metatarsophalangeal landmark protrusions.

52 FOOT LENGTH (FOOTLGTH) -- distance between the tip of the longest toe and the back of the heel of the standing foot.

56 FUNCTIONAL LEG LENGTH (FNCLEGLG) -- straight-line distance when seated with the leg extended between the footrest surface of the anthropometer and the posterior surface of the body.

57 GLUTEAL FURROW HEIGHT (GLUFURHT) -- vertical distance between the standing surface and the lowest point of the gluteal furrow under the buttocks.

58 HAND BREADTH (HANDBRTH) -- maximum breadth of the hand between the metacarpal II and metacarpal V.

59 HAND CIRCUMFERENCE (HANDCIRC) -- maximum circumference of the hand at the level of the metacarpal II and metacarpal V.

60 HAND LENGTH (HANDLGTH) -- length of the hand between the stylion landmark on the wrist and the tip of the middle finger.

61 HEAD BREADTH (HEADBRTH) -- maximum horizontal breadth of the head above the attachment of the ears.

62 HEAD CIRCUMFERENCE (HEADCIRC) -- maximum circumference of the head above the attachment of the ears and ridges of the eyebrows.

63 HEAD LENGTH (HEADLGTH) -- maximum length of the head between the glabella landmark and the opisthocranion.

73 KNEE HEIGHT, MIDPATELLA (KNEEHTMP) -- vertical distance between the standing surface and the center of the knee at the midpatella landmark.

76 LATERAL MALLEOLUS HEIGHT (LATMALHT) -- vertical distance between the standing surface and the lateral malleolus on the outside of the ankle.

78 MENTON-SELLION LENGTH (MENSELL) -- distance between the menton landmark at the bottom of the chin and the sellion landmark at the deepest point of the nasal root depression.

81 NECK CIRCUMFERENCE (NECKCIRC) -- circumference of the neck at the infrathyroid landmark (Adam's apple).

82 NECK CIRCUMFERENCE, BASE (NECKCRCB) -- circumference at the base of the neck at the anterior and lateral neck landmarks.

86 OVERHEAD FINGERTIP REACH, SITTING (OVHDFRHS) -- vertical distance between the sitting surface and the tip of the right middle finger when the arm is extended overhead and is measured on a wall scale. The subject sits erect on a flat surface 40.8 cm high with the right arm and hand extended vertically overhead as far as possible and the palm of the hand facing forward Neither the back nor the arm touches the wall. A block placed at the tip of the middle finger spans the distance between the finger and the wall and establishes the measurement on the wall scale. The measurement is made at the maximum point of quiet respiration.

89 SCYE CIRCUMFERENCE (SCYECIRC) -- vertical circumference of the upper arm measured with a tape through the armpit passing over the acromion landmark on the tip of the shoulder.

91 SHOULDER CIRCUMFERENCE (SHOUCIRC) -- horizontal circumference of the shoulders at the level of the maximum protrusion of the right deltoid muscle.

93 SHOULDER LENGTH (SHOULGTH) -- surface distance between the trapezius landmark at the base of the neck and the acromion landmark at the tip of the shoulder.

94 SITTING HEIGHT (SITTHGHT) -- vertical distance between the sitting surface and the top of the head.

97 SLEEVE LENGTH: SPINE-WRIST (SLLSPWR) -- horizontal surface distance from the midspine landmark, across the olecranon landmark at the tip of the elbow, to the dorsal wrist landmark. The measurement is made while the arms are held in a horizontal position, parallel to the standing surface, and joined by bringing the fists together.

98 SLEEVE OUTSEAM (SLOUTSM) -- straight-line distance between the acromion landmark on the tip of the shoulder and the stylion landmark on the wrist when the arm is straight at the side and the palm facing forward.

99 SPAN (SPAN) -- distance between the tips of the third fingers when the arms are stretched out horizontally.

100 STATURE (STATURE) -- vertical distance between the standing surface and the top of the head.

101 STRAP LENGTH (STRLGTH) -- distance from the right bustpoint for women or nipple for men over the back of the neck to the left bustpoint or nipple. The tape passes over the left and right lateral neck landmarks.

104 THIGH CIRCUMFERENCE (THGHCIRC) -- circumference of the thigh at its juncture with the buttock.

107 THUMBTIP REACH (THMBTPR) -- horizontal distance between a wall against which the posterior trunk is in contact and the tip of the thumb when the arm is extended anteriorly.

110 VERTICAL TRUNK CIRCUMFERENCE (USA)*** (VTCUSA) -- vertical circumference of the trunk on a line passing over the maximum protrusion of the buttocks and through the crotch, and over the bustpoint/thelion landmark and midshoulder landmark.

*** U. S. Army

111 WAIST BACK LENGTH, NATURAL INDENTATION (WSTBLNI) -- vertical surface distance between the cervicale landmark on the back of the neck and the posterior waist (natural indentation) landmark.

112 WAIST BACK LENGTH, OMPHALION (WSTBLOM) -- vertical surface distance between the cervicale landmark on the back of the neck and the posterior waist landmark at the level of the navel (omphalion).

114 WAIST CIRCUMFERENCE, NATURAL INDENTATION (WSCIRCNI) -- horizontal circumference at the level of the natural indentation.

115 WAIST CIRCUMFERENCE, OMPHALION (WSCIRCOM) -- horizontal distance around the torso at the level of the center of the navel (omphalion).

117 WAIST FRONT LENGTH, NATURAL INDENTATION (WSTFRLNI) -- vertical surface distance between the anterior neck landmark at the front of the neck and the anterior waist (natural indentation) landmark.

118 WAIST FRONT LENGTH, OMPHALION (WSTFRLOM) -- vertical surface distance between the anterior neck landmark and the center of the navel (omphalion).

119 WAIST HEIGHT, NATURAL INDENTATION (WSTHNI) -- vertical distance between the standing surface and the right natural indentation of the waist.

120 WAIST HEIGHT, OMPHALION (WSTHOM) -- vertical distance between the standing surface and the center of the navel (omphalion).

125 WEIGHT (WEIGHT) -- in centigrams (.1 kilograms).

CHAPTER IV

BIVARIATE FREQUENCY TABLES

TABLE 1
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 10 (BLFTLGTH) BALL OF FOOT LENGTH
9 (BLFTCIRC) BALL OF FOOT CIRCUMFERENCE

MIN / MAX	190	190 / 198	198 / 206	206 / 214	214 / 222	222 / 230	230 / 238	238 / 246	246 / 254	254 / 262	262 / 270	270 / 278	278 / 286	286 / 294	294	TOTAL
153	0.1	0.1	0.1	0.1	0.1											0.3
153 / 159	0.1	0.1	0.2	0.5	0.4	0.1										1.4
159 / 165		0.5	1.3	1.9	1.3	0.7	0.1									5.8
165 / 171		0.1	1.2	4.9	5.9	4.2	2.1	1.0	0.5							20.0
171 / 177		0.3	1.3	4.8	7.7	10.4	12.9	8.6	1.6							47.4
177 / 183	0.1	0.1	0.5	2.6	9.2	20.8	19.8	22.3	9.9	5.6	0.5	0.5				91.8
183 / 189			0.2	2.0	7.4	19.3	37.4	45.1	30.9	16.2	1.5	0.5	0.5			161.0
189 / 195				0.7	2.6	12.8	35.7	69.4	59.8	27.4	10.2	1.0				219.5
195 / 201				0.1	0.8	5.7	18.4	38.9	62.8	30.7	21.3	3.1				181.7
201 / 207					0.1	1.7	13.0	26.6	42.8	35.1	22.3	7.6	1.0			150.3
207 / 213							1.5	10.7	13.3	20.8	20.3	5.6	3.1			75.2
213 / 219							0.5	2.1	8.6	6.6	8.1	2.5		1.0	0.5	30.0
219 / 225									2.1	4.6	1.5	2.1	1.0	0.5		11.7
225 / 231										1.0	1.0	1.5				3.5
231													0.5			0.5
TOTAL	0.2	1.0	4.9	17.5	35.3	75.8	141.4	224.5	232.3	148.0	86.8	24.4	6.1	1.5	0.5	1000.0

TABLE 2
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 10 (BLFTLGTH) BALL OF FOOT LENGTH
9 (BLFTCIRC) BALL OF FOOT CIRCUMFERENCE

MIN / MAX		190 / 198	198 / 206	206 / 214	214 / 222	222 / 230	230 / 238	238 / 246	246 / 254	254 / 262	262 / 270	270 / 278	278 / 286	286 / 294	294	TOTAL
153																0.0
153 / 159																0.0
159 / 165																0.0
165 / 171				1.1	1.7	1.7	1.7	1.1	0.6							7.9
171 / 177				0.6	0.6	4.5	11.3	8.5	1.7							27.1
177 / 183					2.3	14.7	17.5	23.1	10.7	6.2	0.6	0.6				75.5
183 / 189				0.6	4.5	14.7	36.1	48.5	33.8	18.0	1.7	0.6	0.6			159.0
189 / 195					1.7	10.7	36.6	75.0	66.0	30.4	11.3	1.1				232.8
195 / 201					0.6	5.6	19.2	42.3	69.3	33.8	23.7	3.4				197.9
201 / 207						1.7	14.1	29.3	47.4	38.9	24.8	8.5	1.1			165.7
207 / 213							1.7	11.8	14.7	23.1	22.5	6.2	3.4			83.4
213 / 219							0.6	2.3	9.6	7.3	9.0	2.8		1.1	0.6	33.3
219 / 225									2.3	5.1	1.7	2.3	1.1	0.6		13.0
225 / 231										1.1	1.1	1.7				3.9
231													0.6			0.6
TOTAL				2.3	11.3	53.6	138.7	241.8	255.9	164.0	96.4	27.1	6.8	1.7	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
10 BLFTLGTH	195.989	10.458	0.540	81.447	0.461	8.798
9 BLFTCIRC	248.546	12.274	0.540	124.130	0.635	10.326

TABLE 3
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 10 (BLFTLGTH) BALL OF FOOT LENGTH
9 (BLFTCIRC) BALL OF FOOT CIRCUMFERENCE

MIN / MAX	190	190 / 198	198 / 206	206 / 214	214 / 222	222 / 230	230 / 238	238 / 246	246 / 254	254 / 262	262 / 270	270 / 278	278 / 286	286 / 294	294	TOTAL
153	0.5	0.5	0.9	0.5	0.5											2.7
153 / 159	0.9	0.9	2.3	5.4	3.6	0.9										14.0
159 / 165		5.0	13.1	18.6	12.7	7.2	1.4									58.0
165 / 171		0.9	12.2	38.9	43.5	26.7	5.9	0.5								128.6
171 / 177		2.7	13.1	42.6	71.6	63.4	27.2	9.1	0.5							230.1
177 / 183	0.5	0.5	5.4	26.3	71.6	76.1	40.3	14.9	3.2							238.7
183 / 189			2.3	14.5	33.5	60.7	48.9	14.5	5.0							179.3
189 / 195				7.2	10.4	31.7	27.6	18.6	3.6	0.5						99.6
195 / 201				0.5	2.3	6.8	11.3	8.2	4.5	2.7						36.2
201 / 207					1.4	1.8	2.7	2.7	1.8	0.9						11.3
207 / 213								0.5	0.9							1.4
213 / 219																
219 / 225																
225 / 231																
231																
TOTAL	1.8	10.4	49.4	154.4	250.9	275.4	165.3	68.8	19.5	4.1						1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
10 BLFTLGTH	179.376	9.583	0.550	75.006	0.467	8.005
9 BLFTCIRC	223.468	11.286	0.550	107.258	0.648	9.428

TABLE 4
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 10 (8LFTLGTH) BALL OF FOOT LENGTH
51 (FTBRHOR) FOOT BREADTH, HORIZONTAL

MIN / MAX	71	71 / 75	75 / 79	79 / 83	83 / 87	87 / 91	91 / 95	95 / 99	99 / 103	103 / 107	107 / 111	111 / 115	115 / 119	119 / 123	123	TOTAL
153	0.1	0.1	0.1	0.1	0.1											0.3
153 / 159	0.1	0.1	0.2	0.5	0.4	0.1										1.4
159 / 165		0.5	1.3	1.9	1.3	0.7	0.1									5.8
165 / 171		0.1	1.2	4.4	5.3	3.7	2.1	2.6	0.5							20.0
171 / 177		0.3	1.3	4.3	7.2	8.4	11.4	8.6	5.6	0.5						47.4
177 / 183	0.1	0.1	0.5	2.6	8.1	15.7	20.2	20.3	16.1	7.6	0.5					91.8
183 / 189			0.2	1.5	4.3	13.2	34.3	53.7	39.6	9.6	3.1	1.5				161.0
189 / 195				0.7	1.0	8.2	35.7	71.3	65.8	27.4	7.6	1.5				219.5
195 / 201				0.1	0.2	2.2	17.3	41.4	65.9	36.8	14.7	3.1				181.7
201 / 207					0.1	0.7	9.9	28.2	45.4	47.3	16.2	2.5				150.3
207 / 213						0.5	1.5	7.7	24.5	21.8	13.7	4.0	1.0	0.5		75.2
213 / 219							0.5	4.6	7.6	7.6	6.1	2.1	1.0	0.5		30.0
219 / 225									2.1	5.0	2.1	2.1	0.5			11.7
225 / 231										1.5	1.0	1.0				3.5
231													0.5			0.5
TOTAL	0.2	1.0	4.9	16.0	28.1	53.4	133.3	238.2	272.9	165.3	65.0	17.7	3.1	1.0		1000.0

TABLE 5
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 10 (BLFTLGTH) BALL OF FOOT LENGTH
51 (FTBRHOR) FOOT BREADTH, HORIZONTAL

MIN / MAX	71	75	79	83	87	91	95	99	103	107	111	115	119	123	TOTAL
153															0.0
153 / 159															0.0
159 / 165															0.0
165 / 171				0.6	1.1	1.1	1.7	2.8	0.6						7.9
171 / 177						2.3	9.6	8.5	6.2	0.6					27.1
177 / 183					1.1	9.0	18.0	20.9	17.5	8.5	0.6				75.5
183 / 189					1.1	7.9	32.7	58.1	43.4	10.7	3.4	1.7			159.0
189 / 195						5.6	36.6	77.2	72.7	30.4	8.5	1.7			232.8
195 / 201						1.7	18.0	45.1	72.7	40.6	16.3	3.4			197.9
201 / 207						0.6	10.7	31.0	50.2	52.4	18.0	2.8			165.7
207 / 213						0.6	1.7	8.5	27.1	24.2	15.2	4.5	1.1	0.6	83.4
213 / 219							0.6	5.1	8.5	8.5	6.8	2.3	1.1	0.6	33.3
219 / 225								2.3	5.6	2.3	2.3	0.6			13.0
225 / 231									1.7	1.1	1.1				3.9
231												0.6			0.6
TOTAL			0.6	3.4	28.7	129.7	257.0	301.0	183.2	72.2	19.7	3.4	1.1		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
10 BLFTLGTH	195.989	10.458	0.492	97.554	0.978	9.107
51 FTBRHOR	100.623	5.260	0.492	52.117	0.247	4.581

TABLE 6
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 10 (BLFTLGTH) BALL OF FOOT LENGTH
51 (FT8RHOR) FOOT BREADTH, HORIZONTAL

MIN / MAX	71	75	79	83	87	91	95	99	103	107	111	115	119	123	TOTAL
153	0.5	0.9	0.9	0.5											2.7
153 159	0.5	1.4	2.3	6.8	1.8	1.4									14.0
159 165	0.9	5.0	15.9	19.9	9.5	6.3	0.5								58.0
165 171		4.1	24.0	45.3	40.8	12.2	2.3								128.6
171 177		3.2	23.6	65.2	75.2	51.2	11.3	0.5							230.1
177 183		0.9	10.9	55.3	91.5	60.2	16.3	3.6							238.7
183 189			2.7	27.6	59.8	61.6	20.4	5.9	0.9	0.5					179.3
189 195			1.8	11.8	26.7	36.7	17.7	5.0							99.6
195 201				0.9	7.7	13.6	7.2	3.6	3.2						36.2
201 207					1.4	2.7	5.0	1.4	0.9						11.3
207 213						0.5	0.5		0.5						1.4
213 219															
219 225															
225 231															
231															
TOTAL	1.8	15.4	82.0	233.2	314.3	246.4	81.1	19.9	5.4	0.5					1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
10 BLFTLGTH	179.376	9.583	0.508	90.847	0.987	8.256
51 FTBRHOR	89.666	4.932	0.508	42.762	0.261	4.249

TABLE 7
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE
39 (CRCHHGHT) CROTCH HEIGHT

MIN MAX	622	622 654	654 686	686 718	718 750	750 782	782 814	814 846	846 878	878 910	910 942	942 974	974 1006	1006 1038	1038	TOTAL
811					0.1	0.1	0.5	0.5								1.1
811 842				0.3	0.6	1.3	0.1	2.2	1.0							5.5
842 873		0.1	0.2	1.1	3.1	5.3	7.8	5.3	2.6	0.6						25.9
873 904		0.1	0.3	1.8	4.6	8.9	21.7	12.2	7.8	3.3	2.5					63.1
904 935	0.1	0.1	0.9	2.4	5.8	15.7	29.1	42.6	27.2	12.8	4.0	2.5				143.3
935 966			0.4	2.2	8.7	24.5	38.2	46.3	37.2	16.8	7.6	0.6			0.5	182.9
966 997			0.5	2.7	7.4	24.0	35.5	48.2	33.5	17.9	10.6	2.1				182.5
997 1028		0.1	0.2	1.2	5.8	14.9	34.0	47.4	38.3	23.5	6.6	0.5	0.5	0.5		173.7
1028 1059			0.1	0.8	1.7	7.4	20.8	31.6	24.7	13.7	7.7	0.5	1.0			110.0
1059 1090			0.1	0.2	1.1	4.0	11.2	19.6	16.0	8.7	6.2	0.5				67.3
1090 1121					0.1	1.0	3.0	7.9	7.2	5.6	2.1	0.5				27.1
1121 1152				0.1	0.1	0.9	1.9	1.1	5.1	4.1		1.0				14.3
1152 1183							0.1	0.2		1.0	0.5					1.8
1183 1214									0.1							0.1
1214						0.5		0.5	0.5							1.5
TOTAL	0.1	0.2	2.7	12.6	38.8	108.2	203.8	265.6	201.1	108.1	47.8	8.1	1.5	0.5	0.5	1000.0

TABLE 8
81VARIATE FREQUENCY TABLE-MALES

VARIABLES 24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
811							0.6	0.6							1.1
811 842					0.6	1.1		2.3	1.1						5.1
842 873				0.6	2.3	4.5	7.9	5.6	2.8	0.6					24.2
873 904				0.6	2.3	6.8	22.0	12.4	8.5	3.4	2.8				58.6
904 935			0.6	1.1	2.3	12.4	28.2	45.7	29.9	14.1	4.5	2.8			141.5
935 966					4.5	20.9	37.8	49.0	40.6	18.6	8.5	0.6		0.6	180.9
966 997				1.7	3.9	20.3	34.4	51.3	36.6	19.7	11.8	2.3			182.1
997 1028					2.8	11.8	34.4	50.7	41.7	25.9	7.3	0.6	0.6	0.6	176.4
1028 1059				0.6	0.6	5.1	20.3	33.8	27.1	15.2	8.5	0.6	1.1		112.7
1059 1090					0.6	3.4	11.3	20.9	17.5	9.6	6.8	0.6			70.5
1090 1121						0.6	2.8	8.5	7.9	6.2	2.3	0.6			28.7
1121 1152						0.6	1.7	1.1	5.6	4.5		1.1			14.7
1152 1183										1.1	0.6				1.7
1183 1214															0.0
1214						0.6		0.6	0.6						1.7
TOTAL			0.6	4.5	19.7	87.9	201.2	282.4	219.8	118.9	53.0	9.0	1.7	0.6	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
24 BUTTCIRC	983.669	62.180	0.203	754.150	0.274	60.890
39 CRCHHGHT	837.191	46.248	0.203	688.002	0.152	45.289

TABLE 9
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
811					0.5	0.5									0.9
811 / 842				3.2	0.9	2.7	0.9	1.4							9.1
842 / 873		0.5	2.3	5.4	1	12.7	6.8	2.3	0.5	0.5					40.8
873 / 904		0.9	3.2	12.7	25.8	27.6	19.0	10.4	1.8	2.3					103.7
904 / 935	0.5	0.5	3.6	14.5	37.1	45.7	37.6	14.9	3.2	1.4					159.0
935 / 966			4.1	21.7	46.2	56.6	42.1	22.2	6.8	0.9		0.5			201.1
966 / 997			5.0	11.8	38.9	57.5	45.3	19.9	5.9	1.8					186.1
997 / 1028		0.5	1.8	11.8	33.1	42.6	30.8	18.1	7.7	2.3	0.5				149.0
1028 / 1059			1.4	2.3	11.8	28.5	25.8	11.8	3.2	0.5	0.5				85.6
1059 / 1090			0.5	1.8	5.4	9.1	1	8.2	2.7	0.9	0.5				38.9
1090 / 1121					0.5	4.1	5.0	2.7	0.5						12.7
1121 / 1152				0.5	0.9	3.6	3.6	0.9	0.5	0.5					10.4
1152 / 1183							0.5	1.8							2.3
1183 / 1214								0.5							0.5
1214															
TOTAL	0.5	2.3	21.7	85.6	211.1	291.2	227.4	114.6	33.1	10.9	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
24 BUTTCIRC	966.885	60.183	0.184	772.324	0.252	59.158
39 CRCHHGHT	771.351	44.143	0.184	640.147	0.136	43.390

TABLE 10
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 33 (CHSTBDTH) CHEST BREADTH
111 (WST8LNI) WAIST BACK LENGTH, NATURAL INDENTATION

MIN / MAX	290	290 / 305	305 / 320	320 / 335	335 / 350	350 / 365	365 / 380	380 / 395	395 / 410	410 / 425	425 / 440	440 / 455	455 / 470	470 / 485	485	TOTAL
231			0.1		0.1				0.1							0.1
231 / 245			0.1	0.4	0.6	0.6	0.2	0.3	0.1							2.1
245 / 259	0.1		0.7	1.5	2.3	2.9	3.8	1.4	0.4	0.8	0.1					13.9
259 / 273		0.1	0.5	2.5	5.6	8.1	8.3	6.5	4.3	1.0	0.7	0.6				38.2
273 / 287		0.1	0.3	1.8	4.3	10.6	12.2	19.4	17.8	11.0	3.7	1.0	0.5			82.8
287 / 301		0.1	0.4	1.2	2.1	9.1	12.4	30.0	30.6	32.3	27.2	8.6	2.5	0.5		156.9
301 / 315		0.1		0.8	1.0	6.8	19.6	41.0	50.2	37.9	33.7	11.8	3.1	0.6		206.4
315 / 329		0.1			0.2	2.5	9.3	26.5	44.1	40.3	28.0	13.7	5.0	0.5	0.5	170.8
329 / 343			0.1		0.1	1.4	5.3	15.8	40.8	47.8	28.9	15.8	1.5	0.5		157.9
343 / 357					0.5	0.5	2.2	11.3	23.8	20.3	20.8	4.6	5.0	1.0		90.1
357 / 371						0.6	1.6	3.1	12.7	12.1	8.6	4.6	4.0	1.5		48.8
371 / 385							1.5	1.0	1.6	3.1	7.1	5.0	0.5	0.5		20.3
385 / 399									2.5	2.5	2.1	1.0	0.5			8.6
399 / 413									0.5			1.0				1.5
413												1.0		0.5		1.5
TOTAL	0.1	0.2	2.1	8.1	16.8	43.1	76.1	156.3	229.4	209.1	160.8	68.8	22.9	5.6	0.5	1000.0

TABLE 11
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 33 (CHSTBDTH) CHEST BREADTH
111 (WSTBLNI) WAIST BACK LENGTH, NATURAL INDENTATION

MIN / MAX	290	305	320	335	350	365	380	395	410	425	440	455	470	485	TOTAL
231															0.0
231 245															0.0
245 259						1.7			0.6						2.3
259 273				1.1	1.7	2.8	2.3	2.8	0.6	0.6	0.6				12.4
273 287				0.6	3.9	7.3	15.8	16.3	11.3	3.9	1.1	0.6			60.9
287 301					5.6	9.6	30.4	31.6	34.9	29.9	9.6	2.8	0.6		155.0
301 315					5.6	19.2	44.0	54.7	41.7	37.2	13.0	3.4	0.6		219.3
315 329					2.3	9.6	28.7	48.5	44.5	31.0	15.2	5.6	0.6	0.6	186.6
329 343					1.1	5.6	17.5	45.1	53.0	32.1	17.5	1.7	0.6		174.2
343 357				0.6	0.6	2.3	12.4	26.5	22.5	23.1	5.1	5.6	1.1		99.8
357 371					0.6	1.7	3.4	14.1	13.5	9.6	5.1	4.5	1.7		54.1
371 385						1.7	1.1	1.7	3.4	7.9	5.6	0.6	0.6		22.5
385 399								2.8	2.8	2.3	1.1	0.6			9.6
399 413								0.6			1.1				1.7
413											1.1		0.6		1.7
TOTAL				2.3	21.4	61.4	155.6	244.6	228.9	177.6	76.1	25.4	6.2	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
33 CHSTBDTH	321.490	25.546	0.265	200.839	0.293	24.631
111 WSTBLNI	411.995	23.220	0.265	334.209	0.242	22.389

TABLE 12
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 33 (CHSTBDTH) CHEST BREADTH
111 (WSTBLNI) WAIST BACK LENGTH, NATURAL INDENTATION

MIN / MAX	290	290 / 305	305 / 320	320 / 335	335 / 350	350 / 365	365 / 380	380 / 395	395 / 410	410 / 425	425 / 440	440 / 455	455 / 470	470 / 485	485	TOTAL
231			0.5		0.5				0.5							1.4
231 / 245			0.5	3.6	5.9	5.9	1.8	2.7	0.9							21.3
245 / 259	0.9		7.2	14.5	22.6	29.4	22.2	14.0	3.6	2.3	0.9					117.8
259 / 273		0.5	5.0	25.4	46.2	66.1	57.5	44.4	18.1	5.0	1.8	0.9				270.8
273 / 287		0.5	3.2	17.7	37.6	70.7	56.2	52.1	31.7	8.2	1.4	0.5				279.4
287 / 301		0.5	4.1	11.8	21.3	40.8	37.1	26.3	21.3	8.6	2.7					174.4
301 / 315		0.5		8.2	10.4	17.2	23.6	13.6	1	3.6	1.8	1.4		0.5		90.6
315 / 329		0.5			2.3	4.5	6.8	7.2	4.1	2.3	0.9	0.5				29.0
329 / 343			0.5		0.9	3.6	2.3	0.5	2.3	0.9	0.5					11.3
343 / 357							0.9	1.4		0.5						2.7
357 / 371						0.5	0.5									0.9
371 / 385									0.5							0.5
385 / 399																
399 / 413																
413																
TOTAL	0.9	2.3	20.8	81.1	147.6	238.7	208.8	162.1	92.8	31.3	1	3.2		0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
33 CHSTBDTH	279.625	19.715	0.212	217.741	0.168	19.262
111 WSTBLNI	367.315	25.045	0.212	291.282	0.272	24.470

TABLE 13
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 33 (CHSTBDTH) CHEST BREADTH
112 (WSTBLOM) WAIST BACK LENGTH, OMPHALION

MIN / MAX	376	376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
231				0.1		0.1	0.1									0.1
231 / 245		0.1	0.1	0.6	0.6	0.5	0.2									2.1
245 / 259	0.1	0.4	0.9	2.1	3.2	3.3	2.7	0.9	0.3	0.1						13.9
259 / 273	0.1	0.3	1.5	5.8	8.5	8.7	6.5	4.2	1.6	0.4	0.6					38.2
273 / 287		0.6	1.6	4.5	10.5	16.6	21.2	15.2	6.4	4.6	1.0	0.6				82.8
287 / 301		0.1	0.4	2.4	9.3	16.9	32.2	30.7	32.9	16.7	11.4	3.6	0.5			156.9
301 / 315			0.6	1.4	7.3	20.1	37.9	48.3	39.9	31.0	13.0	6.6		0.1		206.4
315 / 329			0.1	0.5	2.3	12.0	27.3	34.1	35.9	29.6	19.9	6.2	2.6		0.5	170.8
329 / 343				0.6	1.0	4.2	19.1	29.8	35.1	43.8	16.7	6.2	0.5	0.5	0.5	157.9
343 / 357			0.5			1.0	11.2	12.2	17.3	18.4	17.3	3.1	6.6	2.1	0.5	90.1
357 / 371						1.0	2.5	6.7	7.1	9.1	9.1	8.1	0.5	2.1	2.5	48.8
371 / 385						0.5		0.5	2.1	4.6	6.1	4.6	1.0	0.5	0.5	20.3
385 / 399								1.0	1.5	1.5	2.1	1.5		1.0		8.6
399 / 413								0.5				0.5		0.5		1.5
413												1.0		0.5		1.5
TOTAL	0.2	1.4	5.6	17.9	42.8	85.0	160.7	184.0	179.9	159.9	97.2	41.9	11.8	7.2	4.6	1000.0

TABLE 14
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 33 (CHSTBDTH) CHEST BREADTH
112 (WSTBLOM) WAIST BACK LENGTH, OMPHALION

MIN / MAX	376	376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
231																0.0
231 / 245																0.0
245 / 259					0.6	1.1	0.6									2.3
259 / 273				1.7	2.8	2.8	1.7	1.7	1.1		0.6					12.4
273 / 287		0.6	0.6	2.3	5.1	10.7	16.9	13.0	5.6	4.5	1.1	0.6				60.9
287 / 301				1.7	7.3	13.5	31.6	31.6	34.4	18.0	12.4	3.9	0.6			155.0
301 / 315			0.6	1.1	7.3	20.3	40.0	51.9	42.8	33.8	14.1	7.3				219.3
315 / 329				0.6	2.3	13.0	29.3	37.2	39.5	32.7	22.0	6.8	2.8		0.6	186.6
329 / 343				0.6	1.1	4.5	20.9	32.7	38.9	48.5	18.6	6.8	0.6	0.6	0.6	174.2
343 / 357			0.6			1.1	12.4	13.5	19.2	20.3	19.2	3.4	7.3	2.3	0.6	99.8
357 / 371						1.1	2.8	7.3	7.9	10.1	10.1	9.0	0.6	2.3	2.8	54.1
371 / 385						0.6		0.6	2.3	5.1	6.8	5.1	1.1	0.6	0.6	22.5
385 / 399								1.1	1.7	1.7	2.3	1.7		1.1		9.6
399 / 413								0.6				0.6		0.6		1.7
413												1.1		0.6		1.7
TOTAL		0.6	1.7	7.9	26.5	68.8	156.1	191.1	193.3	174.7	107.1	46.2	13.0	7.9	5.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
33 CHSTBDTH	321.490	25.546	0.438	121.703	0.418	22.967
112 WSTBLOM	478.504	26.817	0.438	330.579	0.460	24.111

TABLE 15
BIVARIATE FREQUEHCY TABLE-FEMALES

VARIABLES 33 (CHSTBDTH) CHEST BREADTH
112 (WSTBLOM) WAIST BACK LEHGTH, OMPHALIOH

MIN / MAX	376	376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
231				0.5		0.5	0.5									1.4
231 / 245		0.5	0.9	6.3	6.3	5.4	1.8									21.3
245 / 259	0.9	4.1	9.1	20.8	26.3	22.6	21.3	9.1	2.7	0.9						117.8
259 / 273	1.4	3.2	14.9	42.6	59.8	62.0	49.4	26.3	6.3	4.1	0.9					270.8
273 / 287		0.5	10.9	24.0	59.3	69.7	59.8	34.9	13.6	5.9	0.5	0.5				279.4
287 / 301		0.5	3.6	9.1	27.2	47.6	37.1	22.6	19.0	5.0	2.3	0.5				174.4
301 / 315			0.9	4.5	7.7	18.1	19.0	16.3	13.6	6.3	3.2	0.5		0.5		90.6
315 / 329			0.5		2.3	3.2	9.5	5.9	3.2	1.8	1.4	0.9	0.5			29.0
329 / 343				0.5	0.5	1.4	3.2	3.2	0.9	1.4		0.5				11.3
343 / 357							0.9	0.5	0.5	0.9						2.7
357 / 371								0.9								0.9
371 / 385												0.5				0.5
385 / 399																
399 / 413																
413																
TOTAL	2.3	8.6	40.8	108.2	189.3	230.5	202.4	119.6	59.8	26.3	8.2	3.2	0.5	0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
33 CHSTBOTH	279.625	19.715	0.376	146.234	0.301	18.268
112 WSTBLOM	442.524	24.621	0.376	311.057	0.470	22.815

TABLE 16
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 33 (CHSTBDTH) CHEST BREADTH
117 (WSTFRLNI) WAIST FRONT LENGTH, NATURAL INDENTATION

MIN / MAX	246	246 / 259	259 / 272	272 / 285	285 / 298	298 / 311	311 / 324	324 / 337	337 / 350	350 / 363	363 / 376	376 / 389	389 / 402	402 / 415	415	TOTAL
231	0.1			0.1				0.1								0.1
231 / 245		0.1	0.2	0.4	0.5	0.3	0.5	0.2	0.1	0.1						2.1
245 / 259	0.1	0.3	0.6	1.8	2.8	2.4	2.9	1.8	0.4	0.7	0.1	0.1				13.9
259 / 273	0.1	0.1	0.9	2.5	6.1	7.2	11.1	5.9	3.7	0.6	0.2	0.1				38.2
273 / 287	0.1	0.1	0.5	2.1	6.3	9.9	15.6	20.3	14.7	8.5	3.6	1.1				82.8
287 / 301		0.1	0.3	2.6	5.7	13.4	23.4	30.0	32.8	32.1	9.4	4.7	1.6	0.5		156.9
301 / 315		0.1	0.2	1.0	3.6	10.0	28.2	42.8	48.4	40.1	22.8	8.2	1.0	0.1		206.4
315 / 329				0.1	0.3	6.0	19.6	37.1	33.8	43.9	15.8	9.7	3.6	1.0		170.8
329 / 343				0.5	0.6	4.2	9.9	30.8	36.7	36.5	27.4	9.6	1.0		0.5	157.9
343 / 357						3.5	7.6	9.8	24.4	18.9	18.9	4.6	2.1		0.5	90.1
357 / 371					0.5	0.6	4.0	8.1	8.1	9.6	7.1	7.6	2.5	0.5		48.8
371 / 385					0.5	0.5	0.5	2.6	2.1	5.0	4.0	2.5	1.0	1.5		20.3
385 / 399									0.5	2.1	3.5	0.5	2.1			8.6
399 / 413										1.0		0.5				1.5
413							0.5								1.0	1.5
TOTAL	0.2	0.7	2.8	10.9	26.8	58.0	124.1	189.4	205.5	199.0	112.9	49.2	14.8	3.6	2.1	1000.0

TABLE 17
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 33 (CHSTBOTH) CHEST BREAOTH
117 (WSTFRLNI) WAIST FRONT LENGTH, NATURAL INDENTATION

MIN / MAX	246	259	272	285	298	311	324	337	350	363	376	389	402	415	TOTAL
231															0.0
231 245															0.0
245 259							1.1	0.6		0.6					2.3
259 273					0.6	1.7	5.6	2.3	2.3						12.4
273 287					2.3	4.5	10.1	17.5	13.0	8.5	3.9	1.1			60.9
287 301				1.1	2.8	11.3	22.0	30.4	34.9	34.9	10.1	5.1	1.7	0.6	155.0
301 315				0.6	2.8	9.0	29.3	45.7	53.0	44.0	24.8	9.0	1.1		219.3
315 329						6.2	20.9	40.6	37.2	48.5	17.5	10.7	3.9	1.1	186.6
329 343				0.6	0.6	4.5	10.7	33.8	40.6	40.6	30.4	10.7	1.1	0.6	174.2
343 357						3.9	8.5	10.7	27.1	20.9	20.9	5.1	2.3	0.6	99.8
357 371					0.6	0.6	4.5	9.0	9.0	10.7	7.9	8.5	2.8	0.6	54.1
371 385					0.6	0.6	0.6	2.8	2.3	5.6	4.5	2.8	1.1	1.7	22.5
385 399								0.6	2.3	3.9	0.6	2.3			9.6
399 413									1.1		0.6				1.7
413							0.6							1.1	1.7
TOTAL			2.3	10.1	42.3	113.9	193.3	219.8	217.6	124.0	54.1	16.3	3.9	2.3	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
33 CHSTBDTH	321.490	25.546	0.303	198.539	0.356	24.344
117 WSTFRLNI	345.652	21.829	0.303	262.152	0.260	20.802

TABLE 18
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 33 (CHSTBOTH) CHEST BREAOTH
117 (WSTFRLNI) WAIST FRONT LENGTH, NATURAL INOENTATION

MIN / MAX	246	246 / 259	259 / 272	272 / 285	285 / 298	298 / 311	311 / 324	324 / 337	337 / 350	350 / 363	363 / 376	376 / 389	389 / 402	402 / 415	415	TOTAL
231 / 231	0.5			0.5				0.5								1.4
231 / 245		0.5	1.8	3.6	5.0	2.7	4.5	1.8	0.9	0.5						21.3
245 / 259	0.5	3.2	6.3	18.1	28.1	23.6	19.5	12.2	4.1	1.4	0.5	0.5				117.8
259 / 273	0.5	0.5	9.5	24.5	55.7	57.1	60.2	38.5	16.3	5.9	1.8	0.5				270.8
273 / 287	0.5	0.9	5.0	20.8	42.6	58.4	65.2	45.3	29.9	8.6	0.9	1.4				279.4
287 / 301		1.4	3.2	15.9	32.2	32.6	36.2	26.7	13.6	7.2	3.6	1.4	0.5			174.4
301 / 315		0.5	2.3	5.0	10.4	18.6	18.6	16.8	7.2	5.0	4.5	0.9	0.5	0.5		90.6
315 / 329				0.5	2.7	4.1	8.2	5.9	3.6	2.3	0.9	0.5	0.5			29.0
329 / 343					0.9	1.4	3.2	4.1	1.4		0.5					11.3
343 / 357								1.8		0.5	0.5					2.7
357 / 371						0.9										0.9
371 / 385								0.5								0.5
385 / 399																
399 / 413																
413																
TOTAL	1.8	6.8	28.1	88.8	177.5	199.3	215.6	154.0	77.0	31.2	13.1	5.0	1.4	0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
33 CHSTBOTH	279.625	19.715	0.239	217.049	0.201	19.147
117 WSTFRLNI	311.709	23.483	0.239	232.061	0.285	22.807

TABLE 19
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 33 (CHSTBDTH) CHEST BREADTH
118 (WSTFRLOM) WAIST FRONT LENGTH, OMPHALION

MIN / MAX	331	345	359	373	387	401	415	429	443	457	471	485	499	513	TOTAL
231			0.1	0.1	0.1										0.1
231 / 245		0.1	0.1	0.8	0.9	0.3									2.1
245 / 259	0.1	0.4	1.7	2.8	4.0	3.5	0.9	0.3	0.1						13.9
259 / 273	0.3	0.5	2.4	7.3	12.6	9.0	4.5	1.5	0.3						38.2
273 / 287		0.3	2.0	12.3	17.4	25.9	16.5	7.4	0.9	0.2	0.1				82.8
287 / 301		0.6	3.1	9.1	24.1	38.8	39.4	24.5	13.1	3.3	0.5	0.5			156.9
301 / 315		0.5	0.6	8.5	22.3	41.6	60.0	39.6	23.7	7.9	1.6	0.1			206.4
315 / 329			1.5	3.1	9.4	29.9	49.5	41.1	22.0	8.3	4.2	1.5			170.8
329 / 343			0.5	1.0	5.2	22.5	36.9	45.4	31.2	8.1	4.6	2.1	0.5		157.9
343 / 357			0.5	0.5	0.5	12.1	14.8	17.7	21.8	12.2	6.2	2.5	0.5	0.5	90.1
357 / 371				0.5	0.5	2.5	7.7	9.1	12.1	6.6	5.0	3.1	0.5	0.5	48.8
371 / 385							2.5	3.5	3.5	6.6	2.6	0.5	1.0		20.3
385 / 399								1.0	2.1	1.5	2.5	1.0	0.5		8.6
399 / 413								0.5		0.5	0.5				1.5
413									0.5		0.5			0.5	1.5
TOTAL	0.4	2.2	12.4	46.0	97.2	186.0	232.8	191.7	131.3	55.4	28.3	11.2	3.1	1.0	1.0 1000.0

TABLE 20
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 33 (CHST8DTH) CHEST BREADTH
118 (WSTFRLOM) WAIST FRONT LENGTH, OMPHALION

MIN / MAX	331	345	359	373	387	401	415	429	443	457	471	485	499	513	TOTAL
231															0.0
231 245															0.0
245 259					1.1	1.1									2.3
259 273				2.3	5.6	3.4	0.6	0.6							12.4
273 287			0.6	9.0	11.3	20.9	12.4	6.2	0.6						60.9
287 301		0.6	2.8	7.9	22.5	37.8	40.0	25.4	13.5	3.4	0.6	0.6			155.0
301 315		0.6	0.6	9.0	23.7	44.0	63.7	42.3	25.4	8.5	1.7				219.3
315 329			1.7	3.4	10.1	32.7	54.1	45.1	24.2	9.0	4.5	1.7			186.6
329 343			0.6	1.1	5.6	24.8	40.6	50.2	34.4	9.0	5.1	2.3	0.6		174.2
343 357			0.6	0.6	0.6	13.5	16.3	19.7	24.2	13.5	6.8	2.8	0.6	0.6	99.8
357 371				0.6	0.6	2.8	8.5	10.1	13.5	7.3	5.6	3.4	0.6	0.6	54.1
371 385							2.8	3.9	3.9	7.3	2.8	0.6	1.1		22.5
385 399								1.1	2.3	1.7	2.8	1.1	0.6		9.6
399 413								0.6		0.6	0.6				1.7
413									0.6		0.6		0.6		1.7
TOTAL		1.1	6.8	33.8	81.2	180.9	239.0	205.2	142.6	60.3	31.0	12.4	3.4	1.1	1.1 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
33 CHSTBOTH	321.490	25.546	0.498	106.073	0.520	22.158
118 WSTFRLOM	414.536	24.483	0.498	261.075	0.477	21.237

TABLE 21
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 33 (CHSTBDTH) CHEST BREADTH
118 (WSTFRLOM) WAIST FRONT LENGTH, OMPHALION

MIN / MAX	331	345	359	373	387	401	415	429	443	457	471	485	499	513	TOTAL
231			0.5	0.5	0.5										1.4
231 / 245		0.5	0.9	8.2	9.1	2.7									21.3
245 / 259	0.5	4.1	16.8	27.6	30.3	25.4	9.5	2.7	0.9						117.8
259 / 273	3.2	4.5	23.6	52.5	75.6	59.3	39.4	1	2.7						270.8
273 / 287		2.7	14.5	41.7	72.0	70.7	53.4	18.1	3.6	2.3	0.5				279.4
287 / 301		0.5	5.9	19.5	38.9	47.6	34.0	16.8	9.1	2.3					174.4
301 / 315			0.9	4.5	1	20.4	26.7	15.4	8.6	2.7	0.5	0.9			90.6
315 / 329				0.9	3.6	5.0	8.6	5.0	1.8	2.3	1.8				29.0
329 / 343				0.5	1.4	1.4	3.2	2.3	2.3	0.5					11.3
343 / 357							0.9		0.5	0.9	0.5				2.7
357 / 371							0.9								0.9
371 / 385											0.5				0.5
385 / 399															
399 / 413															
413															
TOTAL	3.6	12.2	63.0	155.8	241.4	232.3	176.6	70.2	29.4	10.9	3.6	0.9			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
33 CHSTBDTH	279.625	19.715	0.442	127.553	0.390	17.692
118 WSTFRLOM	389.822	22.317	0.442	250.042	0.500	20.027

TABLE 22
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
100 (STATURE) STATURE

MIN / MAX	1468	1509	1550	1591	1632	1673	1714	1755	1796	1837	1878	1919	1960	2001	TOTAL
742			0.1												0.1
742 781	0.1	0.1	0.1	0.9	0.1	0.1	0.1								1.4
781 820		0.3	0.9	1.1	1.9	2.1	0.6	0.7							7.6
820 859	0.1	0.5	2.2	4.2	5.9	8.0	4.9	3.7	0.8	0.6					30.7
859 898	0.2	1.0	1.8	6.4	10.8	12.3	16.5	14.5	6.9	3.1	1.5	0.5			75.6
898 937		0.3	1.2	5.1	10.1	18.3	33.7	28.0	32.5	16.3	5.1	2.1			152.6
937 976	0.1	0.4	0.5	3.9	10.2	23.4	39.2	54.5	44.4	24.0	14.7	2.5	0.5	1.0	219.3
976 1015	0.1	0.1	0.2	1.1	5.7	13.7	30.8	44.8	43.7	34.0	18.8	4.0	0.5		197.6
1015 1054		0.1	0.3	0.4	2.8	8.6	19.9	30.4	50.4	28.9	10.6	5.0	1.0		158.4
1054 1093			0.1	0.1	0.2	5.7	12.1	20.6	16.2	18.8	9.1	4.0	2.1		89.0
1093 1132					0.1	0.1	4.8	6.2	10.2	11.2	6.6	2.1	1.0		41.9
1132 1171				0.5		1.0	2.1	3.6	2.1	3.5	5.6	0.5			18.9
1171 1210						0.1	0.5	0.5	1.0	1.5	1.0		0.5		5.1
1210 1249										0.5					0.5
1249										0.5	0.5	0.5			1.5
TOTAL	0.5	2.7	7.2	23.6	47.5	93.3	165.1	207.4	208.3	143.0	73.6	21.3	5.6	1.0	1000.0

TABLE 23
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
100 (STATURE) STATURE

MIN / MAX	1468	1509	1550	1591	1632	1673	1714	1755	1796	1837	1878	1919	1960	2001	TOTAL
742															0.0
742 781				0.6											0.6
781 820					0.6	1.1		0.6							2.3
820 859					2.3	5.1	3.4	3.4	0.6	0.6					15.2
859 898		0.6		1.7	5.1	7.3	14.1	14.7	7.3	3.4	1.7	0.6			56.4
898 937				1.1	5.1	13.5	33.8	29.3	35.5	18.0	5.6	2.3			144.3
937 976				1.7	6.8	22.5	40.6	59.2	49.0	26.5	16.3	2.8	0.6	1.1	227.2
976 1015					3.9	13.0	32.7	49.0	47.9	37.8	20.9	4.5	0.6		210.3
1015 1054					2.3	8.5	21.4	33.3	55.8	32.1	11.8	5.6	1.1		171.9
1054 1093						5.6	13.0	22.5	18.0	20.9	10.1	4.5	2.3		97.0
1093 1132							5.1	6.8	11.3	12.4	7.3	2.3	1.1		46.2
1132 1171				0.6		1.1	2.3	3.9	2.3	3.9	6.2	0.6			20.9
1171 1210							0.6	0.6	1.1	1.7	1.1		0.6		5.6
1210 1249										0.6					0.6
1249										0.6	0.6	0.6			1.7
TOTAL		0.6		5.6	25.9	77.8	166.9	223.2	228.9	158.4	81.7	23.7	6.2	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.311	424.635	0.323	65.624
100 STATURE	1755.808	66.807	0.311	1456.338	0.302	63.485

TABLE 24
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
100 (STATURE) STATURE

MIN / MAX	1468	1468 / 1509	1509 / 1550	1550 / 1591	1591 / 1632	1632 / 1673	1673 / 1714	1714 / 1755	1755 / 1796	1796 / 1837	1837 / 1878	1878 / 1919	1919 / 1960	1960 / 2001	2001	TOTAL
742			0.5													0.5
742 / 781	0.5	0.5	0.5	3.2	1.4	1.4	0.9									8.2
781 / 820		3.2	8.6	11.3	13.1	10.9	6.3	1.8								55.3
820 / 859	0.9	5.4	21.7	42.1	38.0	34.0	18.1	6.8	2.7	0.5						170.3
859 / 898	2.3	5.0	17.7	48.9	61.6	57.5	38.0	13.1	3.2	0.9						248.2
898 / 937		2.7	12.2	40.8	54.8	61.1	32.6	16.3	5.9	0.9	0.5					227.8
937 / 976	0.5	3.6	5.0	23.6	40.8	31.7	26.3	12.7	3.2	1.4						148.6
976 / 1015	0.5	0.9	2.3	10.9	21.7	19.9	13.6	6.8	6.3							82.9
1015 / 1054		0.5	2.7	4.1	7.7	9.1	6.8	4.1	1.4	0.5						36.7
1054 / 1093			0.5	0.9	2.3	6.3	3.6	3.2								16.8
1093 / 1132					0.5	0.5	1.8	0.5								3.2
1132 / 1171						0.5	0.5	0.5								1.4
1171 / 1210						0.5										0.5
1210 / 1249																
1249																
TOTAL	4.5	21.7	71.6	185.7	241.8	233.2	148.6	65.7	22.6	4.1	0.5					1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.221	545.298	0.222	61.941
100 STATURE	1629.372	63.604	0.221	1427.417	0.223	62.026

TABLE 25
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
111 (WSTBLNI) WAIST BACK LENGTH, NATURAL INDENTATION

MIN / MAX	290	290 / 305	305 / 320	320 / 335	335 / 350	350 / 365	365 / 380	380 / 395	395 / 410	410 / 425	425 / 440	440 / 455	455 / 470	470 / 485	485	TOTAL
742			0.1													0.1
742 / 781			0.1	0.1	0.1	0.2	0.6	0.2	0.1							1.4
781 / 820	0.1		0.1	0.5	1.0	1.5	1.8	1.5	0.4	0.7						7.6
820 / 859	0.1	0.1	0.5	2.1	2.5	5.3	7.3	6.1	4.6	1.5	0.7					30.7
859 / 898			0.6	2.0	4.3	8.5	10.6	14.5	13.7	10.7	8.1	2.1	0.5			75.6
898 / 937			0.3	1.6	4.8	11.1	13.0	32.4	32.3	27.9	20.1	6.1	3.1	0.1		152.6
937 / 976		0.1	0.3	0.9	2.0	8.4	17.8	39.1	50.2	43.3	38.7	14.3	3.1	1.0		219.3
976 / 1015		0.1	0.1	0.8	0.9	6.1	13.5	30.1	50.2	41.8	33.6	14.7	5.0	0.5		197.6
1015 / 1054				0.1	0.5	0.6	6.6	17.2	43.1	45.9	27.0	13.3	3.1	0.5	0.5	158.4
1054 / 1093			0.1		0.1	1.3	3.4	11.5	20.5	24.6	15.8	7.2	3.1	1.5		89.0
1093 / 1132						0.1	1.1	2.6	8.1	9.7	11.2	4.0	3.5	1.5		41.9
1132 / 1171					0.5	0.1	0.5	1.0	5.1	1.5	5.0	4.0	1.0			18.9
1171 / 1210						0.1			1.0	1.0	0.5	1.5	0.5	0.5		5.1
1210 / 1249												0.5				0.5
1249										0.5		1.0				1.5
TOTAL	0.1	0.2	2.1	8.1	16.8	43.1	76.1	156.3	229.4	209.1	160.8	68.8	22.9	5.6	0.5	1000.0

TABLE 26
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
111 (WSTBLNI) WAIST BACK LENGTH, NATURAL INDENTATION

MIN / MAX	290	305	320	335	350	365	380	395	410	425	440	455	470	485	TOTAL
742															0.0
742 781							0.6								0.6
781 820							1.1	0.6		0.6					2.3
820 859						1.1	4.5	3.9	3.9	1.1	0.6				15.2
859 898					0.6	3.4	5.6	11.3	12.4	11.3	9.0	2.3	0.6		56.4
898 937					1.1	6.2	9.0	31.6	33.8	30.4	22.0	6.8	3.4		144.3
937 976						5.1	16.3	41.1	54.1	47.4	42.8	15.8	3.4	1.1	227.2
976 1015						4.5	13.0	32.1	54.7	46.2	37.2	16.3	5.6	0.6	210.3
1015 1054							6.2	18.6	47.4	50.7	29.9	14.7	3.4	0.6	0.6 171.9
1054 1093						1.1	3.4	12.4	22.5	27.1	17.5	7.9	3.4	1.7	97.0
1093 1132							1.1	2.8	9.0	10.7	12.4	4.5	3.9	1.7	46.2
1132 1171					0.6		0.6	1.1	5.6	1.7	5.6	4.5	1.1		20.9
1171 1210									1.1	1.1	0.6	1.7	0.6	0.6	5.6
1210 1249												0.6			0.6
1249										0.6		1.1			1.7
TOTAL					2.3	21.4	61.4	155.6	244.6	228.9	177.6	76.1	25.4	6.2	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.249	684.779	0.774	66.881
111 WSTBLNI	411.995	23.220	0.249	328.589	0.084	22.488

TABLE 27
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
111 (WSTBLNI) WAIST BACK LENGTH, NATURAL INDENTATION

MIN / MAX	290	290 / 305	305 / 320	320 / 335	335 / 350	350 / 365	365 / 380	380 / 395	395 / 410	410 / 425	425 / 440	440 / 455	455 / 470	470 / 485	485	TOTAL
742			0.5													0.5
742 / 781			0.9	0.5	0.9	2.3	0.9	1.8	0.9							8.2
781 / 820	0.5		1.4	5.0	10.4	15.4	7.7	9.5	4.1	1.4						55.3
820 / 859	0.5	0.5	5.4	20.8	25.4	42.6	32.2	25.4	10.9	5.4	1.4					170.3
859 / 898			5.9	19.9	38.0	54.8	55.3	43.0	25.4	5.0	0.5	0.5				248.2
898 / 937			2.7	15.9	38.0	54.8	48.9	39.9	19.0	5.0	3.2			0.5		227.8
937 / 976		1.4	3.2	9.5	19.5	38.0	31.7	20.8	14.9	6.8	1.8	0.9				148.6
976 / 1015		0.5	0.5	8.2	9.1	20.4	17.7	12.2	1	2.7	1.4	0.5				82.9
1015 / 1054				1.4	5.4	5.9	1	5.0	4.5	2.3	1.4	0.9				36.7
1054 / 1093			0.5		0.9	3.2	3.6	3.2	2.3	2.3	0.5	0.5				16.8
1093 / 1132						0.5	0.9	0.9	0.5	0.5						3.2
1132 / 1171						0.5		0.5	0.5							1.4
1171 / 1210						0.5										0.5
1210 / 1249																
1249																
TOTAL	0.9	2.3	20.8	81.1	147.6	238.7	208.8	162.1	92.8	31.2	1	3.2		0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.141	773.693	0.363	62.877
111 WSTBLNI	367.315	25.045	0.141	316.100	0.056	24.793

TABLE 28
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
112 (WSTBLOM) WAIST BACK LENGTH, OMPHALION

MIN / MAX	376	376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
742			0.1													0.1
742 / 781		0.1	0.1	0.1	0.1	0.7	0.2									1.4
781 / 820	0.1	0.1	0.2	2.3	1.6	1.3	1.5	0.4	0.1	0.1						7.6
820 / 859	0.1	0.3	1.3	3.7	6.0	5.7	6.5	5.0	2.1	0.2						30.7
859 / 898	0.1	0.3	1.3	5.0	9.0	15.7	16.0	12.5	7.8	5.3	2.6					75.6
898 / 937		0.6	1.4	3.5	12.8	18.6	34.9	31.8	22.7	13.1	10.3	3.1		0.1		152.6
937 / 976	0.1	0.1	0.9	1.9	9.1	21.2	41.6	46.4	46.1	29.0	16.4	6.7				219.3
976 / 1015			0.1	1.3	3.4	12.8	29.7	40.3	41.0	42.8	15.4	6.6	3.1	1.0		197.6
1015 / 1054		0.1		0.1	0.7	4.6	21.3	27.7	35.1	33.7	24.0	6.6	4.0		0.5	158.4
1054 / 1093				0.1	0.1	2.3	8.3	14.1	17.0	24.1	13.3	6.7	1.0	1.0	1.0	89.0
1093 / 1132						2.1	0.6	2.7	5.6	7.6	10.2	6.6	2.5	2.1	2.1	41.9
1132 / 1171			0.5					2.6	2.1	2.6	4.0	4.1	1.0	1.0	1.0	18.9
1171 / 1210							0.1	0.5	0.5	1.0	1.0	1.0		1.0		5.1
1210 / 1249														0.5		0.5
1249										0.5		0.5		0.5		1.5
TOTAL	0.2	1.4	5.6	17.9	42.8	85.0	160.7	184.0	179.9	159.9	97.2	41.9	11.8	7.2	4.6	1000.0

TABLE 29
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
112 (WSTBLOM) WAIST BACK LENGTH, OMPHALION

MIN / MAX	376	376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
742																0.0
742 / 781						0.6										0.6
781 / 820				1.1	0.6		0.6									2.3
820 / 859				0.6	2.3	2.8	3.9	3.9	1.7							15.2
859 / 898				2.3	3.9	10.7	12.4	10.7	7.9	5.6	2.8					56.4
898 / 937		0.6	0.6	1.7	9.0	14.1	33.8	32.1	23.7	14.1	11.3	3.4				144.3
937 / 976			0.6	1.1	7.3	19.7	42.3	49.6	49.6	31.6	18.0	7.3				227.2
976 / 1015				1.1	2.8	11.8	31.0	43.4	44.5	46.8	16.9	7.3	3.4	1.1		210.3
1015 / 1054					0.6	4.5	22.5	29.9	38.3	37.2	26.5	7.3	4.5		0.6	171.9
1054 / 1093						2.3	9.0	15.2	18.6	26.5	14.7	7.3	1.1	1.1	1.1	97.0
1093 / 1132						2.3	0.6	2.8	6.2	8.5	11.3	7.3	2.8	2.3	2.3	46.2
1132 / 1171			0.6					2.8	2.3	2.8	4.5	4.5	1.1	1.1	1.1	20.9
1171 / 1210								0.6	0.6	1.1	1.1	1.1		1.1		5.6
1210 / 1249														0.6		0.6
1249										0.6		0.6		0.6		1.7
TOTAL		0.6	1.7	7.9	26.5	68.8	156.1	191.1	193.3	174.7	107.1	46.2	13.0	7.9	5.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.444	444.442	1.143	61.901
112 WSTBLOM	478.504	26.817	0.444	307.632	0.172	24.037

TABLE 30
BIVARIATE FREQUENCY TABLE·FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
112 (WST8LOM) WAIST 8ACK LENGTH, OMPHALION

MIN / MAX	376	376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
742			0.5													0.5
742 / 781		0.9	0.9	1.4	1.4	1.8	1.8									8.2
781 / 820	0.5	0.5	1.8	13.6	10.9	13.1	9.5	4.1	0.5	0.9						55.3
820 / 859	0.9	2.7	12.7	31.3	38.9	31.7	30.3	14.5	5.4	1.8						170.3
859 / 898	0.5	2.7	12.7	29.0	54.8	61.1	48.5	28.5	7.2	2.7	0.5					248.2
898 / 937		0.5	8.2	19.9	46.6	58.9	44.8	29.0	14.0	4.5	0.9			0.5		227.8
937 / 976	0.5	0.9	3.2	8.6	25.4	34.4	35.3	17.2	14.9	5.4	1.8	0.9				148.6
976 / 1015			0.9	3.2	8.6	22.2	18.1	12.2	9.1	6.3	2.3					82.9
1015 / 1054		0.5		0.9	1.8	5.4	10.9	7.7	5.9	1.8	1.4	0.5				36.7
1054 / 1093				0.5	0.9	1.8	2.3	4.5	2.3	2.3	0.9	0.9	0.5			16.8
1093 / 1132							0.5	1.4	0.5		0.5	0.5				3.2
1132 / 1171								0.5		0.5		0.5				1.4
1171 / 1210							0.5									0.5
1210 / 1249																
1249																
TOTAL	2.3	8.6	40.8	108.2	189.3	230.5	202.4	119.6	59.8	26.3	8.2	3.2	0.5	0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.351	506.690	0.905	59.496
112 WSTBLOM	442.524	24.621	0.351	319.206	0.136	23.063

TABLE 31
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION

MIN / MAX	604	641	678	715	752	789	826	863	900	937	974	1011	1048	1085	TOTAL
742		0.1													0.1
742 / 781	0.2	0.5	0.7												1.4
781 / 820	0.4	2.4	3.5	1.4											7.6
820 / 859	0.1	2.0	10.2	9.8	7.7	1.0									30.7
859 / 898	0.1	0.5	6.3	18.7	32.2	14.2	2.7	1.0							75.6
898 / 937		0.1	0.9	10.7	48.7	54.2	28.8	8.7	0.5						152.6
937 / 976			0.2	0.8	12.5	60.4	84.3	47.3	11.8	2.1					219.3
976 / 1015				0.1	1.7	16.3	54.7	75.1	37.9	9.1	2.5				197.6
1015 / 1054					0.5	2.8	16.0	36.1	55.4	36.0	11.7				158.4
1054 / 1093						0.5	1.7	8.2	16.7	32.8	21.9	7.1			89.0
1093 / 1132								0.1	2.2	7.7	17.4	10.6	3.5	0.5	41.9
1132 / 1171									0.5	2.1	4.7	6.6	4.6	0.5	18.9
1171 / 1210											0.5	0.6	2.5	0.5	1.0 5.1
1210 / 1249														0.5	0.5
1249													0.5	0.5	0.5 1.5
TOTAL	0.7	5.3	21.8	41.4	103.3	149.4	188.1	176.5	124.9	89.7	58.6	24.9	11.2	2.5	1.5 1000.0

TABLE 32
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION

MIN / MAX	604	641	678	715	752	789	826	863	900	937	974	1011	1048	1085	TOTAL
742															0.0
742 781			0.6												0.6
781 820			1.7	0.6											2.3
820 859			2.8	3.9	7.3	1.1									15.2
859 898				8.5	29.3	14.7	2.8	1.1							56.4
898 937				4.5	42.8	55.8	31.0	9.6	0.6						144.3
937 976					9.0	60.3	90.8	51.9	13.0	2.3					227.2
976 1015					1.1	15.2	57.5	81.7	41.7	10.1	2.8				210.3
1015 1054					0.6	2.8	16.3	38.9	60.9	39.5	13.0				171.9
1054 1093						0.6	1.7	9.0	17.5	36.1	24.2	7.9			97.0
1093 1132									2.3	8.5	19.2	11.8	3.9	0.6	46.2
1132 1171									0.6	2.3	5.1	7.3	5.1	0.6	20.9
1171 1210											0.6	0.6	2.8	0.6	1.1 5.6
1210 1249														0.6	0.6
1249													0.6	0.6	0.6 1.7
TOTAL			5.1	17.5	90.2	150.5	200.1	192.2	136.4	98.6	64.8	27.6	12.4	2.8	1.7 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.879	302.460	0.820	32.906
114 WSCIRCNI	839.912	74.028	0.879	-94.479	0.943	35.275

TABLE 33
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION

MIN / MAX	604	641	678	715	752	789	826	863	900	937	974	1011	1048	1085	TOTAL
742		0.5													0.5
742 / 781	1.8	4.5	1.8												8.2
781 / 820	3.6	23.6	19.5	8.6											55.3
820 / 859	0.5	19.5	77.0	62.5	10.9										170.3
859 / 898	0.9	5.0	62.5	110.5	58.0	9.5	1.4	0.5							248.2
898 / 937		0.5	9.5	66.1	101.9	40.3	9.1	0.5							227.8
937 / 976			1.8	7.7	43.9	61.6	25.8	6.3	0.9	0.5					148.6
976 / 1015				1.4	6.8	25.8	29.4	15.4	4.1						82.9
1015 / 1054						2.3	13.6	10.4	6.3	4.1					36.7
1054 / 1093							1.4	1.4	9.1	3.6	1.4				16.8
1093 / 1132								0.5	0.9	0.9	0.9				3.2
1132 / 1171										0.5	0.9				1.4
1171 / 1210												0.5			0.5
1210 / 1249															
1249															
TOTAL	6.8	53.4	172.1	256.8	221.5	139.5	80.6	34.9	21.3	9.5	3.2	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.863	276.093	0.870	32.096
114 WSCIRCNI	725.522	63.028	0.863	-51.265	0.856	31..849

TABLE 34
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION

MIN / MAX	644 / 683	683 / 722	722 / 761	761 / 800	800 / 839	839 / 878	878 / 917	917 / 956	956 / 995	995 / 1034	1034 / 1073	1073 / 1112	1112 / 1151	1151 /	TOTAL
742 /	0.1														0.1
742 / 781	0.9	0.2	0.1												1.4
781 / 820	2.6	3.4	0.7	0.3	0.1										7.6
820 / 859	4.1	11.1	10.2	3.5	1.3	0.3	0.1								30.7
859 / 898	1.7	17.2	28.0	15.8	9.5	1.5	1.4	0.2							75.6
898 / 937	0.1	8.3	38.8	48.0	36.7	16.6	3.3	0.7	0.1	0.1					152.6
937 / 976	0.1	0.8	10.4	60.5	64.2	52.2	24.3	5.0	1.9	0.1	0.1				219.3
976 / 1015		0.1	2.7	16.6	40.2	58.6	53.5	17.0	7.1	1.8	0.1				197.6
1015 / 1054			0.6	3.1	14.3	31.3	35.3	41.5	25.3	6.0	1.0				158.4
1054 / 1093				0.5	2.5	6.2	13.8	21.1	29.3	11.0	4.3	0.1			89.0
1093 / 1132							2.1	5.1	13.7	13.8	5.1	1.5	0.5		41.9
1132 / 1171						0.5	0.5	1.0	1.5	4.1	7.1	3.6		0.5	18.9
1171 / 1210									0.5	1.5	0.1	1.5	0.5	1.0	5.1
1210 / 1249												0.5			0.5
1249 /												1.0	0.5		1.5
TOTAL	9.3	41.1	91.6	148.2	168.8	167.2	134.3	91.5	79.5	38.4	17.8	8.3	1.5	1.5	1000.0

TABLE 35
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION

MIN / MAX	644	683	722	761	800	839	878	917	956	995	1034	1073	1112	1151	TOTAL
742															0.0
742 781		0.6													0.6
781 820		0.6	1.7												2.3
820 859		2.3	6.2	5.1	1.7										15.2
859 898		0.6	13.5	22.5	10.7	7.3	0.6	1.1							56.4
898 937			7.9	38.9	45.1	34.4	15.2	2.8							144.3
937 976			0.6	10.7	64.3	66.0	54.1	25.4	4.5	1.7					227.2
976 1015				2.8	18.0	43.4	62.6	56.9	17.5	7.3	1.7				210.3
1015 1054				0.6	3.4	15.8	34.4	38.3	44.5	27.6	6.2	1.1			171.9
1054 1093					0.6	2.8	6.8	15.2	23.1	32.1	11.8	4.5			97.0
1093 1132								2.3	5.6	15.2	15.2	5.6	1.7	0.6	46.2
1132 1171							0.6	0.6	1.1	1.7	4.5	7.9	3.9	0.6	20.9
1171 1210										0.6	1.7		1.7	0.6	1.1 5.6
1210 1249													0.6		0.6
1249													1.1	0.6	1.7
TOTAL		3.9	29.9	80.6	143.7	169.7	174.2	142.6	96.4	86.2	41.1	19.2	9.0	1.7	1.7 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	25.546	0.839	413.029	0.671	37.503
115 WSCIRCOM	862.423	86.404	0.839	-178.309	1.050	47.023

TABLE 36
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION

MIN / MAX		644 / 683	683 / 722	722 / 761	761 / 800	800 / 839	839 / 878	878 / 917	917 / 956	956 / 995	995 / 1034	1034 / 1073	1073 / 1112	1112 / 1151	1151	TOTAL
742		0.5														0.5
742 / 781	1.8	3.2	2.3	0.9												8.2
781 / 820	3.6	20.8	19.0	7.2	3.2	1.4										55.3
820 / 859	2.3	20.4	55.3	56.2	19.9	12.7	3.2	0.5								170.3
859 / 898	0.9	11.3	50.3	77.9	62.0	29.4	1	4.5	1.8							248.2
898 / 937		1.4	11.8	38.0	73.8	57.1	29.4	7.7	6.8	1.4	0.5					227.8
937 / 976		0.5	2.7	7.7	25.8	48.0	35.3	14.5	9.1	3.2	0.9	0.9				148.6
976 / 1015			0.5	1.8	3.6	11.3	22.2	22.6	12.2	5.4	2.7	0.5				82.9
1015 / 1054				0.5	0.5	0.5	3.6	8.6	14.0	5.0	4.1					36.7
1054 / 1093							0.5	1.4	2.7	4.5	4.1	2.3	1.4			16.8
1093 / 1132									0.9		1.4	0.9				3.2
1132 / 1171											0.9		0.5			1.4
1171 / 1210												0.5				0.5
1210 / 1249																
1249																
TOTAL	8.6	58.0	141.8	190.2	188.9	160.3	104.2	59.8	47.6	19.5	14.5	5.0	1.8			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.781	432.233	0.600	39.687
115 WSCIRCOM	791.884	82.716	0.781	-130.535	1.017	51.682

TABLE 37
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
117 (WSTFRLNI) WAIST FRONT LENGTH, NATURAL INDENTATION

MIN MAX	246 246	259 259	272 272	285 285	298 298	311 311	324 324	337 337	350 350	363 363	376 376	389 389	402 402	415 415	TOTAL
742					0.1										0.1
742 781				0.1	0.1	0.1	0.7	0.1	0.1	0.1					1.4
781 820	0.1	0.1	0.2	0.5	0.9	1.5	1.5	1.4	1.0	0.6					7.6
820 859	0.1	0.2	0.6	2.1	3.1	4.6	9.0	5.8	3.0	1.5	0.1	0.6			30.7
859 898		0.1	0.8	2.7	6.0	8.2	15.4	14.3	12.4	8.6	6.3	0.1	0.5		75.6
898 937	0.1	0.1	0.6	2.5	7.4	10.5	22.0	33.6	33.6	27.5	10.8	3.7	0.5		152.6
937 976		0.2	0.3	1.9	5.0	12.7	23.7	45.6	50.7	41.3	23.1	10.7	3.1	1.0	219.3
976 1015			0.2	1.0	2.2	9.4	25.8	40.9	37.8	49.6	20.5	7.7	2.1	0.5	197.6
1015 1054			0.1	0.3	1.0	5.2	14.0	23.0	42.9	34.7	24.6	9.7	2.1	0.1	1.0 158.4
1054 1093					0.1	3.7	8.0	14.9	15.3	21.9	13.8	8.1	2.6	0.5	89.0
1093 1132					0.5	1.6	2.5	8.2	6.2	7.1	7.2	5.6	2.5	0.5	41.9
1132 1171					0.5	0.6	1.0	1.6	2.1	4.0	6.1	1.5	1.0	0.5	18.9
1171 1210							0.1		0.5	2.1	0.5	1.0		0.5	0.5 5.1
1210 1249							0.5								0.5
1249												0.5	0.5		0.5 1.5
TOTAL	0.2	0.7	2.8	10.9	26.8	58.0	124.1	189.4	205.5	199.0	112.9	49.2	14.8	3.6	2.1 1000.0

TABLE 38
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
117 (WSTFRLNI) WAIST FRONT LENGTH, NATURAL INDENTATION

MIN / MAX	246	259	272	285	298	311	324	337	350	363	376	389	402	415	TOTAL
742															0.0
742 781							0.6								0.6
781 820							0.6	0.6	0.6	0.6					2.3
820 859						1.7	5.6	3.9	2.3	1.1		0.6			15.2
859 898				0.6	1.1	3.9	10.7	11.8	11.8	9.0	6.8		0.6		56.4
898 937				0.6	3.4	6.8	19.2	33.3	34.9	29.9	11.8	3.9	0.6		144.3
937 976				0.6	2.8	10.7	23.1	47.9	55.2	45.1	25.4	11.8	3.4	1.1	227.2
976 1015				0.6	1.1	7.9	26.5	44.5	41.1	54.7	22.5	8.5	2.3	0.6	210.3
1015 1054					0.6	5.1	14.7	24.8	47.4	38.3	27.1	10.7	2.3	1.1	171.9
1054 1093						3.9	8.5	15.8	16.9	24.2	15.2	9.0	2.8	0.6	97.0
1093 1132					0.6	1.7	2.8	9.0	6.8	7.9	7.9	6.2	2.8	0.6	46.2
1132 1171					0.6	0.6	1.1	1.7	2.3	4.5	6.8	1.7	1.1	0.6	20.9
1171 1210								0.6	2.3	0.6	1.1		0.6	0.6	5.6
1210 1249							0.6								0.6
1249											0.6	0.6		0.6	1.7
TOTAL			2.3	10.1	42.3	113.9	193.3	219.8	217.6	124.0	54.1	16.3	3.9	2.3	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.253	712.638	0.806	66.796
117 WSTFRLNI	345.652	21.829	0.253	265.777	0.081	21.114

TABLE 39
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
117 (WSTFRLNI) WAIST FRONT LENGTH, NATURAL INDENTATION

MIN / MAX	246	259	272	285	298	311	324	337	350	363	376	389	402	415	TOTAL
742					0.5										0.5
742 / 781				1.4	1.4	0.9	1.8	1.4	0.9	0.5					8.2
781 / 820	0.9	0.9	2.3	4.5	9.5	14.5	9.1	8.2	4.5	0.9					55.3
820 / 859	0.5	2.3	6.3	20.8	31.3	30.8	39.4	23.1	9.5	5.4	0.5	0.5			170.3
859 / 898		1.4	8.2	21.3	50.3	47.1	57.5	36.7	18.1	5.0	1.8	0.9			248.2
898 / 937	0.5	0.5	5.9	19.9	43.0	43.9	47.6	36.2	21.7	5.4	1.8	1.4			227.8
937 / 976		1.8	3.2	13.6	24.5	30.8	29.4	24.5	10.4	6.8	2.3	0.9	0.5		148.6
976 / 1015			1.8	4.5	11.8	22.6	19.5	8.2	7.7	3.6	2.7	0.5			82.9
1015 / 1054			0.5	2.7	4.5	5.9	7.7	7.2	2.3	2.3	1.8	0.9	0.5	0.5	36.7
1054 / 1093					0.9	1.8	3.2	6.8	0.9	1.4	1.4		0.5		16.8
1093 / 1132						0.5		1.4	0.5		0.9				3.2
1132 / 1171						0.5		0.5	0.5						1.4
1171 / 1210							0.5								0.5
1210 / 1249															
1249															
TOTAL	1.8	6.8	28.1	88.8	177.5	199.3	215.6	154.0	77.0	31.2	13.1	5.0	1.4	0.5	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.161	770.965	0.437	62.698
117 WSTFRLNI	311.709	23.483	0.161	257.567	0.060	23.180

TABLE 40
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
118 (WSTFRLOM) WAIST FRONT LENGTH, OMPHALION

MIN / MAX	331	331 / 345	345 / 359	359 / 373	373 / 387	387 / 401	401 / 415	415 / 429	429 / 443	443 / 457	457 / 471	471 / 485	485 / 499	499 / 513	513	TOTAL
742				0.1												0.1
742 / 781			0.2	0.2	0.2	0.7	0.1									1.4
781 / 820	0.1	0.1	0.6	1.9	2.6	1.5	0.6	0.2	0.1							7.6
820 / 859	0.1	0.5	1.5	6.5	9.8	6.4	4.5	1.4	0.2							30.7
859 / 898	0.2	0.4	2.7	9.3	17.2	22.7	12.5	7.8	2.3	0.5						75.6
898 / 937	0.1	0.7	4.3	10.5	26.6	37.3	36.8	24.6	9.1	2.7	0.1					152.6
937 / 976		0.7	0.5	10.3	23.0	49.2	61.6	36.7	26.0	7.9	2.5	1.0				219.3
976 / 1015			1.1	5.5	10.6	36.9	56.0	46.8	23.9	8.9	6.6	1.0				197.6
1015 / 1054			0.5	0.8	4.3	19.9	38.7	41.3	35.3	10.8	3.1	3.1			0.5	158.4
1054 / 1093			0.5		2.7	9.2	14.7	20.6	20.7	13.4	4.1	3.1				89.0
1093 / 1132				1.0		2.1	6.2	8.7	8.1	5.6	6.2	1.5	2.1		0.5	41.9
1132 / 1171			0.5			0.5	1.0	2.5	4.6	4.6	2.6	1.0	1.0	0.5		18.9
1171 / 1210								1.0	0.6	1.0	2.1	0.5				5.1
1210 / 1249									0.5							0.5
1249											1.0			0.5		1.5
TOTAL	0.4	2.2	12.4	46.0	97.2	186.0	232.8	191.7	131.3	55.4	28.3	11.2	3.1	1.0	1.0	1000.0

TABLE 41
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
118 (WSTFRLOM) WAIST FRONT LENGTH, OMPHALION

MIN / MAX	331	345	359	373	387	401	415	429	443	457	471	485	499	513	TOTAL
742															0.0
742 781						0.6									0.6
781 820				0.6	1.1	0.6									2.3
820 859				2.8	5.1	3.4	2.8	1.1							15.2
859 898			0.6	5.1	11.8	18.6	10.1	7.3	2.3	0.6					56.4
898 937		0.6	3.4	8.5	23.1	34.4	36.1	25.9	9.6	2.8					144.3
937 976		0.6		9.6	22.5	50.2	64.8	38.9	28.2	8.5	2.8	1.1			227.2
976 1015			1.1	5.6	10.1	38.9	59.8	50.7	25.9	9.6	7.3	1.1			210.3
1015 1054			0.6	0.6	4.5	21.4	41.7	45.1	38.9	11.8	3.4	3.4		0.6	171.9
1054 1093			0.6		2.8	10.1	15.8	22.5	22.5	14.7	4.5	3.4			97.0
1093 1132				1.1		2.3	6.8	9.6	9.0	6.2	6.8	1.7	2.3	0.6	46.2
1132 1171			0.6			0.6	1.1	2.8	5.1	5.1	2.8	1.1	1.1	0.6	20.9
1171 1210								1.1	0.6	1.1	2.3	0.6			5.6
1210 1249									0.6						0.6
1249											1.1		0.6		1.7
TOTAL		1.1	6.8	33.8	81.2	180.9	239.0	205.2	142.6	60.3	31.0	12.4	3.4	1.1	1.1 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.479	431.705	1.350	60.651
118 WSTFRLOM	414.536	24.483	0.479	246.303	0.170	21.503

TABLE 42
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
118 (WSTFRLOM) WAIST FRONT LENGTH, OMPHALION

MIN / MAX	331 / 345	345 / 359	359 / 373	373 / 387	387 / 401	401 / 415	415 / 429	429 / 443	443 / 457	457 / 471	471 / 485	485 / 499	499 / 513	TOTAL
742			0.5											0.5
742 / 781		2.3	1.8	1.8	1.4	0.9								8.2
781 / 820	0.5	0.9	6.3	13.6	16.3	9.1	6.3	1.8	0.5					55.3
820 / 859	0.5	4.5	14.9	39.9	52.1	33.1	19.5	3.6	2.3					170.3
859 / 898	1.8	4.1	21.3	47.1	66.1	59.3	34.0	12.2	2.3					248.2
898 / 937	0.9	1.4	12.2	29.0	58.4	63.4	43.0	13.1	4.1	1.8	0.5			227.8
937 / 976		1.4	4.5	16.8	27.2	39.9	33.1	17.2	6.3	2.3				148.6
976 / 1015			1.4	4.5	14.9	18.6	22.2	11.8	6.3	2.3	0.5	0.5		82.9
1015 / 1054				2.7	2.7	6.8	11.8	6.8	2.7	1.8	0.9	0.5		36.7
1054 / 1093					1.8	0.9	4.5	3.2	4.1	1.8	0.5			16.8
1093 / 1132							0.9	0.5	0.5	0.5	0.9			3.2
1132 / 1171							0.5			0.5	0.5			1.4
1171 / 1210									0.5					0.5
1210 / 1249														
1249														
TOTAL	3.6	12.2	63.0	155.8	241.4	232.3	176.6	70.2	29.4	10.9	3.6	0.9		

1000.00.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.421	440.299	1.197	57.636
118 WSTFRLOM	389.822	22.317	0.421	255.742	0.148	20.250

TABLE 43
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
12 (BICIRCFL) BICEPS CIRCUMFERENCE, FLEXED

MIN MAX	227 242	242 257	257 272	272 287	287 302	302 317	317 332	332 347	347 362	362 377	377 392	392 407	407 422	422	TOTAL
742	0.1														0.1
742 781	0.1	0.4	0.2	0.6	0.1										1.4
781 820	0.1	1.1	2.0	3.2	0.6		0.5								7.6
820 859	0.1	0.9	4.2	9.5	5.6	4.7	4.7	1.0							30.7
859 898		0.5	3.2	8.2	14.5	20.0	20.0	6.7	2.1		0.5				75.6
898 937		0.2	0.9	6.2	12.8	25.7	46.6	41.9	11.8	4.6	2.1				152.6
937 976			0.2	1.5	6.1	14.2	46.8	73.7	55.0	18.8	3.1				219.3
976 1015				0.4	1.1	4.3	16.1	46.5	61.6	43.7	19.8	3.5	0.5		197.6
1015 1054					0.3	1.0	7.5	25.6	48.1	39.2	23.4	8.1	3.5	1.5	158.4
1054 1093					0.1	0.2	1.5	8.7	13.8	25.0	22.3	8.6	5.6	2.5	0.5	89.0
1093 1132						0.1	0.1	1.0	4.6	8.6	13.7	8.1	3.5	1.5	0.5	41.9
1132 1171								0.1	0.6	4.0	4.6	6.1	1.5	2.1		18.9
1171 1210								0.1		0.5	1.0	1.0	1.0		1.5	5.1
1210 1249															0.5	0.5
1249													0.5	1.0		1.5
TOTAL	0.3	3.1	10.7	29.6	41.2	70.2	143.9	205.3	197.6	144.5	90.4	35.5	16.2	8.6	3.1	1000.0

TABLE 44
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
12 (BICIRCFL) BICEPS CIRCUMFERENCE, FLEXED

MIN / MAX	227	242	257	272	287	302	317	332	347	362	377	392	407	422	TOTAL
742															0.0
742 781				0.6											0.6
781 820				1.7			0.6								2.3
820 859				2.8	2.3	3.9	5.1	1.1							15.2
859 898				1.1	6.2	18.0	20.9	7.3	2.3		0.6				56.4
898 937				1.7	5.1	22.0	49.6	45.7	13.0	5.1	2.3				144.3
937 976					2.3	10.7	48.5	80.6	60.9	20.9	3.4				227.2
976 1015						1.7	15.2	50.2	68.2	48.5	22.0	3.9	0.6		210.3
1015 1054							7.3	27.6	53.0	43.4	25.9	9.0	3.9	1.7	171.9
1054 1093							1.1	9.0	15.2	27.6	24.8	9.6	6.2	2.8	0.6 97.0
1093 1132								1.1	5.1	9.6	15.2	9.0	3.9	1.7	0.6 46.2
1132 1171									0.6	4.5	5.1	6.8	1.7	2.3	20.9
1171 1210										0.6	1.1	1.1	1.1	1.7	5.6
1210 1249														0.6	0.6
1249													0.6	1.1	1.7
TOTAL				7.9	15.8	56.4	148.3	222.7	218.2	160.1	100.3	39.5	18.0	9.6	3.4 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.734	360.192	1.870	46.893
12 BICIRCFL	337.473	27.113	0.734	51.676	0.288	18.410

TABLE 45
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
12 (BICIRCFL) BICEPS CIRCUMFERENCE, FLEXED

MIN / MAX	227	242	257	272	287	302	317	332	347	362	377	392	407	422	TOTAL
742		0.5													0.5
742 / 781	0.9	3.6	2.3	0.9	0.5										8.2
781 / 820	1.4	11.3	19.9	16.3	6.3										55.3
820 / 859	0.5	9.1	41.7	70.2	35.8	12.2	0.9								170.3
859 / 898		4.5	31.7	72.0	88.8	37.6	12.2	1.4							248.2
898 / 937		1.8	9.5	46.2	82.4	59.3	19.9	7.2	1.4						227.8
937 / 976			1.8	15.4	40.8	45.7	31.7	11.3	1.8						148.6
976 / 1015				3.6	10.9	27.6	24.0	13.6	2.7	0.5					82.9
1015 / 1054					3.2	1	9.1	7.7	4.5	1.8	0.5				36.7
1054 / 1093					0.9	1.8	5.4	5.9	0.9	1.8					16.8
1093 / 1132						0.5	1.4	0.5	0.5		0.5				3.2
1132 / 1171								0.9	0.5						1.4
1171 / 1210								0.5							0.5
1210 / 1249															
1249															
TOTAL	2.7	30.8	106.9	224.6	269.5	194.7	104.6	48.9	12.2	4.1	0.9				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.694	360.922	1.941	45.744
12 BICIRCFL	281.328	22.705	0.694	56.314	0.248	16.352

TABLE 46
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN / MAX	811	811 / 842	842 / 873	873 / 904	904 / 935	935 / 966	966 / 997	997 / 1028	1028 / 1059	1059 / 1090	1090 / 1121	1121 / 1152	1152 / 1183	1183 / 1214	1214	TOTAL
742			0.1													0.1
742 / 781		0.8	0.2	0.3	0.1	0.1										1.4
781 / 820	0.1	0.9	2.9	1.6	1.4	0.7	0.1									7.6
820 / 859	0.6	1.8	7.4	8.7	6.9	3.4	1.4	0.6	0.1							30.7
859 / 898	0.5	1.6	9.7	18.2	22.9	13.2	5.7	2.7	0.7	0.2		0.1				75.6
898 / 937		0.5	4.7	26.0	52.4	40.1	16.5	8.6	3.2	0.5	0.1	0.1				152.6
937 / 976			1.0	6.7	48.4	73.9	52.6	26.7	7.5	2.2	0.1	0.1				219.3
976 / 1015				1.6	10.2	36.4	60.5	56.3	22.7	8.8	0.9	0.2	0.1			197.6
1015 / 1054					1.0	13.7	31.5	52.7	40.5	14.4	3.3	1.2	0.1	0.1		158.4
1054 / 1093						1.6	12.7	19.1	21.6	24.9	6.4	2.7	0.1			89.0
1093 / 1132							1.0	6.2	9.2	11.8	9.1	3.6	1.0			41.9
1132 / 1171							0.5	0.5	4.6	4.1	5.1	3.6			0.5	18.9
1171 / 1210								0.5		0.5	1.6	2.1			0.5	5.1
1210 / 1249															0.5	0.5
1249											0.5	0.5	0.5			1.5
TOTAL	1.1	5.5	25.9	63.1	143.3	182.9	182.5	173.7	110.0	67.3	27.1	14.3	1.8	0.1	1.5	1000.0

TABLE 47
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN / MAX	811	842	873	904	935	966	997	1028	1059	1090	1121	1152	1183	1214	TOTAL
742															0.0
742 / 781		0.6													0.6
781 / 820		0.6	1.7												2.3
820 / 859	0.6	1.7	6.2	4.5	2.3										15.2
859 / 898	0.6	1.7	10.1	16.9	18.6	7.3	1.1								56.4
898 / 937		0.6	5.1	28.2	55.2	37.8	11.3	5.1	1.1						144.3
937 / 976			1.1	7.3	53.0	79.5	54.1	24.8	5.6	1.7					227.2
976 / 1015				1.7	11.3	39.5	65.4	60.3	23.1	8.5	0.6				210.3
1015 / 1054					1.1	15.2	34.4	57.5	44.0	15.2	3.4	1.1			171.9
1054 / 1093						1.7	14.1	20.9	23.7	27.1	6.8	2.8			97.0
1093 / 1132							1.1	6.8	10.1	13.0	10.1	3.9	1.1		46.2
1132 / 1171							0.6	0.6	5.1	4.5	5.6	3.9		0.6	20.9
1171 / 1210								0.6		0.6	1.7	2.3		0.6	5.6
1210 / 1249														0.6	0.6
1249											0.6	0.6	0.6		1.7
TOTAL	1.1	5.1	24.2	58.6	141.5	180.9	182.1	176.4	112.7	70.5	28.7	14.7	1.7	1.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.815	100.754	0.905	40.007
24 BUTTCIRC	983.669	62.180	0.815	255.989	0.734	36.022

TABLE 48
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN / MAX	811	842	873	904	935	966	997	1028	1059	1090	1121	1152	1183	1214	TOTAL
742			0.5												0.5
742 781		2.3	1.8	3.2	0.5	0.5									8.2
781 820	0.5	3.6	13.6	15.9	14.0	6.8	0.9								55.3
820 859	0.5	2.7	18.1	46.6	48.5	33.5	13.6	5.9	0.9						170.3
859 898		0.5	5.9	29.9	61.6	66.6	47.1	26.7	7.2	2.3		0.5			248.2
898 937			0.9	6.3	27.2	61.1	63.0	39.9	21.7	5.0	1.4	1.4			227.8
937 976				1.4	6.8	23.1	39.4	43.5	24.9	6.8	1.4	1.4			148.6
976 1015				0.5	0.5	8.6	16.3	20.8	19.0	11.3	3.6	1.8	0.5		82.9
1015 1054						0.5	5.4	9.1	8.6	7.2	2.7	2.3	0.5	0.5	36.7
1054 1093						0.5	0.5	2.7	2.3	5.0	2.7	1.8	1.4		16.8
1093 1132								0.5	0.9	0.9		0.9			3.2
1132 1171										0.5	0.5	0.5			1.4
1171 1210											0.5				0.5
1210 1249															
1249															
TOTAL	0.9	9.1	40.8	103.7	159.0	201.1	186.1	149.0	85.6	38.9	12.7	10.4	2.3	0.5	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.707	185.183	0.747	44.903
24 BUTTCIRC	966.885	60.183	0.707	358.874	0.670	42.546

TABLE 49
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
89 (SCYECIRC) SCYE CIRCUMFERENCE

MIN / MAX	308	308 / 326	326 / 344	344 / 362	362 / 380	380 / 398	398 / 416	416 / 434	434 / 452	452 / 470	470 / 488	488 / 506	506 / 524	524 / 542	542	TOTAL
742		0.1														0.1
742 / 781	0.1	0.2	0.4	0.7												1.4
781 / 820	0.1	0.4	2.1	2.7	1.3	1.0										7.6
820 / 859		0.5	4.3	7.7	6.7	5.4	5.6	0.5								30.7
859 / 898		0.1	2.5	9.6	10.6	15.4	21.1	12.7	3.5							75.6
898 / 937			0.3	4.9	11.0	13.3	36.9	57.9	24.8	3.5						152.6
937 / 976			0.1	0.9	5.3	7.4	21.7	83.5	70.0	26.4	3.5	0.5				219.3
976 / 1015				0.2	1.3	3.1	5.7	31.8	86.0	56.3	13.2					197.6
1015 / 1054					0.3	0.8	2.3	10.9	47.3	56.3	35.0	5.0	0.5			158.4
1054 / 1093						0.2	0.6	2.0	11.0	30.5	32.9	10.6	0.5	0.5		89.0
1093 / 1132							0.1	0.1	2.7	5.0	16.7	12.7	3.5	1.0		41.9
1132 / 1171								0.1	0.1	2.1	6.1	7.6	2.5	0.5		18.9
1171 / 1210							0.1				1.5		1.5	1.5	0.5	5.1
1210 / 1249															0.5	0.5
1249													0.5		1.0	1.5
TOTAL	0.1	1.2	9.7	26.6	36.4	46.6	94.1	199.3	245.4	180.2	109.1	36.5	9.1	3.5	2.1	1000.0

TABLE 50
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
89 (SCYECIRC) SCYE CIRCUMFERENCE

MIN / MAX	308	326	344	362	380	398	416	434	452	470	488	506	524	542	TOTAL
742															0.0
742 / 781				0.6											0.6
781 / 820				0.6	0.6	1.1									2.3
820 / 859					2.8	5.6	6.2	0.6							15.2
859 / 898					1.1	14.1	23.1	14.1	3.9						56.4
898 / 937					0.6	7.9	40.0	64.3	27.6	3.9					144.3
937 / 976						1.7	21.4	92.4	77.8	29.3	3.9	0.6			227.2
976 / 1015							3.4	34.4	95.3	62.6	14.7				210.3
1015 / 1054							0.6	11.3	52.4	62.6	38.9	5.6	0.6		171.9
1054 / 1093								1.7	11.8	33.8	36.6	11.8	0.6	0.6	97.0
1093 / 1132									2.8	5.6	18.6	14.1	3.9	1.1	46.2
1132 / 1171										2.3	6.8	8.5	2.8	0.6	20.9
1171 / 1210											1.7		1.7	1.7	0.6	5.6
1210 / 1249														0.6	0.6
1249													0.6		1.1	1.7
TOTAL				1.1	5.1	30.4	94.7	218.7	271.7	200.1	121.2	40.6	10.1	3.9	2.3	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.813	68.845	2.071	40.215
89 SCYECIRC	445.524	27.117	0.813	129.020	0.319	15.791

TABLE 51
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
89 (SCYECIRC) SCYE CIRCUMFERENCE

MIN / MAX	308	326	344	362	380	398	416	434	452	470	488	506	524	542	TOTAL
742		0.5													0.5
742 / 781	0.5	1.8	4.1	1.8											8.2
781 / 820	0.9	4.1	21.3	21.3	7.7										55.3
820 / 859		4.5	43.5	76.5	41.7	4.1									170.3
859 / 898		1.4	24.5	96.0	96.5	26.7	3.2								248.2
898 / 937			2.7	49.4	104.2	62.0	9.1	0.5							227.8
937 / 976			0.5	9.1	53.0	58.9	24.0	3.2							148.6
976 / 1015				2.3	12.7	31.3	26.7	8.2	1.8						82.9
1015 / 1054					2.7	7.7	17.7	7.2	1.4						36.7
1054 / 1093						1.8	5.9	4.5	3.6	0.9					16.8
1093 / 1132							1.4	0.5	1.4						3.2
1132 / 1171								0.5	0.9						1.4
1171 / 1210							0.5								0.5
1210 / 1249															
1249															
TOTAL	1.4	12.2	96.5	256.3	318.4	192.5	88.3	24.5	9.1	0.9					1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.768	121.858	2.115	40.723
89 SCYECIRC	371.315	23.054	0.768	118.614	0.279	14.781

TABLE 52
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
91 (SHOUCIRC) SHOULDER CIRCUMFERENCE

MIN / MAX	896	896 / 934	934 / 972	972 / 1010	1010 / 1048	1048 / 1086	1086 / 1124	1124 / 1162	1162 / 1200	1200 / 1238	1238 / 1276	1276 / 1314	1314 / 1352	1352 / 1390	1390	TOTAL
742		0.1														0.1
742 / 781	0.1	0.4	0.9	0.1												1.4
781 / 820	0.1	1.2	2.5	2.3	1.2	0.1										7.6
820 / 859		0.7	5.4	9.8	6.4	5.8	2.5									30.7
859 / 898		0.1	2.4	11.4	12.9	21.7	24.0	3.1								75.6
898 / 937		0.1	0.7	4.4	13.1	22.3	54.7	49.3	7.1	1.0						152.6
937 / 976				1.1	4.9	9.5	36.2	95.6	60.9	11.2						219.3
976 / 1015				0.3	1.0	2.8	9.7	37.8	91.9	43.1	10.6					197.6
1015 / 1054					0.2	0.7	2.5	12.6	51.1	70.0	19.8	1.5				158.4
1054 / 1093					0.1	0.2	1.4	1.6	11.6	30.5	31.0	12.1	0.5			89.0
1093 / 1132							0.1	0.1	1.6	9.1	15.3	11.7	4.0			41.9
1132 / 1171								0.1	0.6	3.1	6.1	6.1	3.1			18.9
1171 / 1210						0.1				0.5		1.5	2.5	0.5		5.1
1210 / 1249															0.5	0.5
1249													0.5	0.5	0.5	1.5
TOTAL	0.2	2.5	11.9	29.4	39.9	63.0	131.2	200.1	224.8	168.5	82.8	32.9	10.6	1.0	1.0	1000.0

TABLE 53
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
91 (SHOUCIRC) SHOULDER CIRCUMFERENCE

MIN / MAX	896	934	972	1010	1048	1086	1124	1162	1200	1238	1276	1314	1352	1390	TOTAL
742															0.0
742 781			0.6												0.6
781 820				1.1	1.1										2.3
820 859				2.3	3.9	6.2	2.8								15.2
859 898				0.6	4.5	21.4	26.5	3.4							56.4
898 937				0.6	1.7	18.6	59.8	54.7	7.9	1.1					144.3
937 976					1.1	2.8	37.2	106.0	67.6	12.4					227.2
976 1015							7.3	41.1	102.0	47.9	11.8				210.3
1015 1054							1.1	13.0	56.4	77.8	22.0	1.7			171.9
1054 1093							1.1	1.1	12.4	33.8	34.4	13.5	0.6		97.0
1093 1132									1.7	10.1	16.9	13.0	4.5		46.2
1132 1171									0.6	3.4	6.8	6.8	3.4		20.9
1171 1210										0.6		1.7	2.8	0.6	5.6
1210 1249														0.6	0.6
1249													0.6	0.6	0.6 1.7
TOTAL		0.6	4.5	12.4	49.0	135.9	219.3	248.6	187.1	91.9	36.6	11.8	1.1	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.859	-163.255	0.983	35.344
91 SHOUCIRC	1175.178	60.608	0.859	430.306	0.751	30.908

TABLE 54
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
91 (SHOUCIRC) SHOULDER CIRCUMFERENCE

MIN / MAX	896	896 / 934	934 / 972	972 / 1010	1010 / 1048	1048 / 1086	1086 / 1124	1124 / 1162	1162 / 1200	1200 / 1238	1238 / 1276	1276 / 1314	1314 / 1352	1352 / 1390	1390	TOTAL
742		0.5														0.5
742 / 781	0.5	4.1	3.2	0.5												8.2
781 / 820	1.4	12.2	25.4	13.6	2.3	0.5										55.3
820 / 859		7.2	54.3	77.0	29.0	2.7										170.3
859 / 898		0.9	24.0	108.7	88.8	24.0	1.8									248.2
898 / 937		0.5	7.2	38.9	115.9	55.7	9.1	0.5								227.8
937 / 976				11.3	38.9	69.3	26.7	1.8	0.5							148.6
976 / 1015				3.2	10.4	28.1	31.3	8.6	1.4							82.9
1015 / 1054					1.8	6.8	15.4	9.1	3.6							36.7
1054 / 1093					0.5	1.8	3.6	5.9	4.5	0.5						16.8
1093 / 1132							0.9	1.4	0.5		0.5					3.2
1132 / 1171								0.5	0.5	0.5						1.4
1171 / 1210						0.5										0.5
1210 / 1249																
1249																
TOTAL	1.8	25.4	114.1	253.2	287.6	189.3	88.8	27.6	10.9	0.9	0.5					1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.808	-102.892	0.984	37.449
91 SHOUCIRC	1026.883	52.168	0.808	425.064	0.663	30.758

TABLE 55
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
93 (SHOULGTH) SHOULDER LENGTH

MIN / MAX	115	115 / 120	120 / 125	125 / 130	130 / 135	135 / 140	140 / 145	145 / 150	150 / 155	155 / 160	160 / 165	165 / 170	170 / 175	175 / 180	180	TOTAL
742									0.1							0.1
742 / 781	0.1		0.1	0.1	0.1	0.6	0.1	0.2	0.1							1.4
781 / 820	0.1	0.1	0.1	0.5	0.5	1.6	0.8	1.2	1.3	1.1	0.2	0.1		0.1		7.6
820 / 859	0.1	0.2	1.2	1.5	3.4	3.7	5.8	5.1	3.8	5.1	0.6	0.2		0.1		30.7
859 / 898	0.1	0.4	1.1	4.0	6.5	9.4	15.4	12.5	9.7	6.6	4.5	2.9	1.8		0.6	75.6
898 / 937		0.2	2.0	5.2	16.3	14.5	24.2	29.3	29.1	15.5	11.8	1.8	2.7			152.6
937 / 976		1.1	1.9	1.9	10.5	23.5	41.3	43.3	36.0	25.9	19.0	11.4	2.5	1.1		219.3
976 / 1015		0.6	2.4	4.1	7.7	17.0	30.5	35.1	31.1	26.1	20.2	14.0	6.2	1.1	1.5	197.6
1015 / 1054			1.1	4.3	6.5	12.6	21.3	25.9	27.8	26.1	19.1	7.1	3.6	3.1		158.4
1054 / 1093	0.5	0.6	1.0	1.2	5.2	8.3	13.4	12.5	9.9	18.4	7.7	5.1	3.5	1.5		89.0
1093 / 1132		0.1		0.5	0.5	4.6	6.7	7.7	7.2	5.0	5.0	1.6	0.5	1.5	1.0	41.9
1132 / 1171		0.5		0.5	0.5	2.5	1.6	2.5	2.5	3.1	1.0	2.5	1.5			18.9
1171 / 1210					0.1	0.5	0.5	1.0	1.0	1.5		0.5				5.1
1210 / 1249									0.5							0.5
1249							0.5		0.5	0.5						1.5
TOTAL	0.8	3.6	10.8	24.0	57.8	98.6	162.2	176.3	160.5	135.0	89.3	47.3	22.3	8.5	3.1	1000.0

TABLE 56
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
93 (SHOULGTH) SHOULDER LENGTH

MIN / MAX	115	115 / 120	120 / 125	125 / 130	130 / 135	135 / 140	140 / 145	145 / 150	150 / 155	155 / 160	160 / 165	165 / 170	170 / 175	175 / 180	180	TOTAL
742																0.0
742 / 781						0.6										0.6
781 / 820						0.6		0.6	0.6	0.6						2.3
820 / 859			0.6	0.6	1.1	1.7	2.8	2.3	2.3	3.9						15.2
859 / 898			0.6	2.8	4.5	6.2	11.8	9.0	7.3	5.1	3.9	2.8	1.7		0.6	56.4
898 / 937			1.7	4.5	15.8	11.3	22.5	28.2	28.7	14.7	12.4	1.7	2.8			144.3
937 / 976		1.1	1.7	1.1	10.1	23.7	42.3	45.7	37.8	27.1	20.3	12.4	2.8	1.1		227.2
976 / 1015		0.6	2.3	3.9	7.9	18.0	31.6	37.8	33.3	28.2	22.0	15.2	6.8	1.1	1.7	210.3
1015 / 1054			1.1	4.5	6.8	13.5	23.1	28.2	29.9	28.7	20.9	7.9	3.9	3.4		171.9
1054 / 1093	0.6	0.6	1.1	1.1	5.6	9.0	14.7	13.5	10.7	20.3	8.5	5.6	3.9	1.7		97.0
1093 / 1132				0.6	0.6	5.1	7.3	8.5	7.9	5.6	5.6	1.7	0.6	1.7	1.1	46.2
1132 / 1171		0.6		0.6	0.6	2.8	1.7	2.8	2.8	3.4	1.1	2.8	1.7			20.9
1171 / 1210						0.6	0.6	1.1	1.1	1.7		0.6				5.6
1210 / 1249									0.6							0.6
1249							0.6		0.6	0.6						1.7
TOTAL	0.6	2.8	9.0	19.7	53.0	93.0	159.0	177.6	163.5	139.8	94.7	50.7	24.2	9.0	3.4	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.127	869.931	0.807	68.502
93 SHOULGTH	150.487	11.028	0.127	130.185	0.021	10.939

TABLE 57
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
93 (SHOULGTH) SHOULDER LENGTH

MIN / MAX	115	115 / 120	120 / 125	125 / 130	130 / 135	135 / 140	140 / 145	145 / 150	150 / 155	155 / 160	160 / 165	165 / 170	170 / 175	175 / 180	180	TOTAL
742									0.5							0.5
742 / 781	0.5		0.9	0.9	1.4	0.5	0.9	1.8	1.4							8.2
781 / 820	0.5	0.9	1.4	5.4	5.4	10.4	8.2	6.8	7.2	5.9	2.3	0.5		0.5		55.3
820 / 859	0.5	1.8	6.3	1	24.5	21.7	33.1	30.8	16.8	15.4	6.3	2.3		0.9		170.3
859 / 898	0.9	3.6	5.9	14.5	24.5	38.5	47.6	44.4	31.3	20.4	1	4.1	2.3		0.5	248.2
898 / 937		1.8	4.5	11.8	20.8	43.0	39.9	39.4	33.1	22.6	6.3	2.7	1.8			227.8
937 / 976		1.4	3.6	8.6	14.0	21.3	32.6	21.3	19.5	15.4	7.7	2.3		0.9		148.6
976 / 1015		0.5	3.2	6.3	5.4	7.7	20.4	11.3	11.8	7.7	4.1	3.2	0.5	0.9		82.9
1015 / 1054			0.9	2.7	3.6	4.1	5.0	5.0	8.6	3.2	2.7		0.5	0.5		36.7
1054 / 1093		0.5		2.3	1.4	1.8	1.4	3.6	3.2	0.9	0.9	0.9				16.8
1093 / 1132		0.5				0.5	0.9	0.5	0.5			0.5				3.2
1132 / 1171							0.9				0.5					1.4
1171 / 1210					0.5											0.5
1210 / 1249																
1249																
TOTAL	2.3	10.9	26.7	62.5	101.4	149.5	190.7	164.9	133.6	91.5	40.8	16.3	5.0	3.6	0.5	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.071	844.188	0.435	63.357
93 SHOULGTH	144.654	10.827	0.071	133.195	0.013	10.799

TABLE 58
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN MAX	691 691	716 716	741 741	766 766	791 791	816 816	841 841	866 866	891 891	916 916	941 941	966 966	991 991	1016 1016	TOTAL
742				0.1											0.1
742 781	0.1	0.1	0.1	0.7	0.3	0.2	0.1								1.4
781 820			0.4	1.6	1.8	1.7	1.2	0.9		0.1					7.6
820 859	0.1	0.2	1.4	2.7	5.3	6.6	8.1	3.7	1.3	1.5					30.7
859 898	0.1	0.2	1.0	3.1	7.7	12.1	16.1	15.6	15.0	3.7	1.0				75.6
898 937			0.3	2.3	4.3	13.6	25.0	39.2	36.4	20.3	9.7	1.6			152.6
937 976		0.1	0.2	0.9	2.4	10.9	27.1	50.1	64.1	40.6	16.2	5.0	1.0	0.5	219.3
976 1015			0.1	0.2	1.2	2.9	11.9	34.4	57.7	44.2	31.9	12.1		0.5	197.6
1015 1054				0.1	0.7	1.2	4.5	23.6	40.9	46.2	28.9	9.6	2.1	0.5	158.4
1054 1093				0.1		1.1	1.4	8.5	24.1	20.3	15.8	12.7	4.6	0.5	89.0
1093 1132				0.1			0.1	3.2	4.7	10.2	13.7	7.6	2.5		41.9
1132 1171							0.5	1.1	4.0	3.6	4.6	3.5	1.0	0.5	18.9
1171 1210							0.1			2.1	1.0	1.5	0.5		5.1
1210 1249													0.5		0.5
1249												1.0		0.5	1.5
TOTAL	0.1	0.5	3.3	11.6	23.5	50.3	96.1	180.3	248.3	192.9	122.9	54.9	12.1	2.5	0.5 1000.0

TABLE 59
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN / MAX	691	716	741	766	791	816	841	866	891	916	941	966	991	1016	TOTAL
742															0.0
742 / 781				0.6											0.6
781 / 820					0.6	0.6	0.6	0.6							2.3
820 / 859			0.6		0.6	2.3	6.2	2.8	1.1	1.7					15.2
859 / 898			0.6	0.6	1.7	5.6	12.4	14.7	15.8	3.9	1.1				56.4
898 / 937						8.5	21.4	40.0	39.5	22.5	10.7	1.7			144.3
937 / 976						7.3	25.9	53.0	70.5	45.1	18.0	5.6	1.1	0.6	227.2
976 / 1015						1.1	10.7	36.6	63.1	49.0	35.5	13.5		0.6	210.3
1015 / 1054						0.6	3.9	25.4	45.1	51.3	32.1	10.7	2.3	0.6	171.9
1054 / 1093						0.6	1.1	9.0	26.5	22.5	17.5	14.1	5.1	0.6	97.0
1093 / 1132								3.4	5.1	11.3	15.2	8.5	2.8		46.2
1132 / 1171							0.6	1.1	4.5	3.9	5.1	3.9	1.1	0.6	20.9
1171 / 1210										2.3	1.1	1.7	0.6		5.6
1210 / 1249													0.6		0.6
1249												1.1		0.6	1.7
TOTAL			1.1	1.1	2.8	26.5	82.9	186.6	271.1	213.6	136.4	60.9	13.5	2.8	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.489	202.009	0.891	60.240
97 SLLSPWR	885.976	37.934	0.489	614.470	0.269	33.090

TABLE 60
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN / MAX	691	716	741	766	791	816	841	866	891	916	941	966	991	1016	TOTAL
742				0.5											0.5
742 / 781	0.5	0.5	0.5	1.4	2.7	1.8	0.9								8.2
781 / 820			4.1	16.3	12.7	11.3	6.8	3.2		0.9					55.3
820 / 859	0.5	2.3	8.2	26.7	47.6	45.7	25.4	11.3	2.7						170.3
859 / 898	0.5	1.8	5.0	25.8	61.6	70.7	49.4	23.6	8.2	1.8					248.2
898 / 937			2.7	22.6	42.6	59.8	57.5	32.2	8.6	0.5	0.5	0.9			227.8
937 / 976		0.5	1.8	8.6	24.0	43.5	38.0	24.5	6.8	0.5	0.5				148.6
976 / 1015			0.5	2.3	12.2	19.5	22.6	14.9	9.5	1.4					82.9
1015 / 1054				1.4	6.8	6.8	9.5	7.7	3.6	0.5	0.5				36.7
1054 / 1093				0.5		5.4	3.6	4.1	2.7	0.5					16.8
1093 / 1132				0.5			0.5	1.4	0.9						3.2
1132 / 1171								0.9		0.5					1.4
1171 / 1210							0.5								0.5
1210 / 1249															
1249															
TOTAL	1.4	5.0	22.6	106.4	210.1	264.5	214.7	123.6	43.0	6.3	1.4	0.9			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.333	436.439	0.583	59.896
97 SLLSPWR	806.669	36.300	0.333	633.821	0.191	34.230

TABLE 61
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
98 (SLOUTSM) SLEEVE OUTSEAM

MIN / MAX	440	440 / 462	462 / 484	484 / 506	506 / 528	528 / 550	550 / 572	572 / 594	594 / 616	616 / 638	638 / 660	660 / 682	682 / 704	704 / 726	726	TOTAL
742					0.1											0.1
742 / 781			0.1	0.1	0.6	0.3	0.2	0.1								1.4
781 / 820			0.1	0.6	1.7	2.6	1.5	1.0		0.1						7.6
820 / 859			0.3	2.1	3.6	7.2	7.0	6.3	3.1	0.6	0.5					30.7
859 / 898	0.1	0.1	0.9	1.8	5.8	10.5	19.1	17.7	12.9	6.3	0.6					75.6
898 / 937			0.2	1.5	3.6	15.3	26.4	35.9	30.6	28.3	7.7	3.1				152.6
937 / 976			0.2	0.7	4.0	14.0	32.4	62.3	59.8	31.1	11.2	2.5			1.0	219.3
976 / 1015			0.1	0.1	1.4	8.2	25.3	48.0	49.2	38.8	18.8	7.6				197.6
1015 / 1054				0.3	1.1	4.3	14.7	35.7	52.0	32.5	12.7	4.6	0.5			158.4
1054 / 1093				0.1	0.3	1.4	8.1	18.6	24.5	19.8	9.6	5.0	1.5			89.0
1093 / 1132				0.1		0.1	2.7	7.7	9.6	13.2	5.6	3.1				41.9
1132 / 1171						0.5	2.2	3.1	3.6	7.6	2.1					18.9
1171 / 1210							0.6	1.0	1.0	1.0	1.5					5.1
1210 / 1249										0.5						0.5
1249										0.5	0.5	0.5				1.5
TOTAL	0.1	0.1	1.9	7.4	22.1	64.3	140.2	237.4	246.3	180.2	70.8	26.4	2.1		1.0	1000.0

TABLE 62
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
98 (SLOUTSM) SLEEVE OUTSEAM

MIN / MAX	440	462	484	506	528	550	572	594	616	638	660	682	704	726	TOTAL
742															0.0
742 781					0.6										0.6
781 820						1.1	0.6	0.6							2.3
820 859				0.6		1.7	3.9	5.1	2.8	0.6	0.6				15.2
859 898			0.6		1.1	4.5	13.5	16.3	13.0	6.8	0.6				56.4
898 937						9.6	23.1	36.1	32.7	31.0	8.5	3.4			144.3
937 976					1.7	10.7	32.1	66.5	65.4	34.4	12.4	2.8		1.1	227.2
976 1015						6.8	25.4	51.9	54.1	42.8	20.9	8.5			210.3
1015 1054					0.6	3.9	15.2	38.9	57.5	36.1	14.1	5.1	0.6		171.9
1054 1093						1.1	8.5	20.3	27.1	22.0	10.7	5.6	1.7		97.0
1093 1132							2.8	8.5	10.7	14.7	6.2	3.4			46.2
1132 1171						0.6	2.3	3.4	3.9	8.5	2.3				20.9
1171 1210							0.6	1.1	1.1	1.1	1.7				5.6
1210 1249									0.6						0.6
1249									0.6	0.6	0.6				1.7
TOTAL			0.6	0.6	3.9	40.0	128.0	248.6	268.3	199.0	78.4	29.3	2.3	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	991.372	69.059	0.251	649.528	0.568	66.839
98 SLOUTSM	601.517	30.689	0.251	490.252	0.112	29.703

TABLE 63
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 34 (CHSTCIRC) CHEST CIRCUMFERENCE
98 (SLOUTSM) SLEEVE OUTSEAN

MIN / MAX	440	462	484	506	528	550	572	594	616	638	660	682	704	726	TOTAL
742					0.5										0.5
742 / 781			0.5	1.4	0.9	2.7	1.8	0.9							8.2
781 / 820			1.4	6.3	16.8	15.9	9.1	5.0		0.9					55.3
820 / 859			3.2	15.4	36.2	56.6	35.3	17.2	5.4	0.9					170.3
859 / 898	0.5	0.5	3.2	18.1	48.0	64.8	69.3	29.9	12.2	1.4	0.5				248.2
898 / 937			1.8	15.4	36.2	66.1	56.6	34.4	12.2	3.6	0.9	0.5			227.8
937 / 976			2.3	6.8	24.9	43.5	35.3	24.9	9.1	0.9	0.9				148.6
976 / 1015			1.4	1.4	13.6	20.8	24.5	13.1	5.4	2.7					82.9
1015 / 1054				3.2	5.9	7.7	10.4	6.8	2.3	0.5					36.7
1054 / 1093				0.5	2.7	4.1	4.5	3.6	1.4						16.8
1093 / 1132				0.5		0.5	1.8	0.5							3.2
1132 / 1171							0.9		0.5						1.4
1171 / 1210							0.5								0.5
1210 / 1249															
1249															
TOTAL	0.5	0.5	13.6	68.8	185.7	282.6	25	136.3	48.5	10.9	2.3	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
34 CHSTCIRC	907.081	63.517	0.158	722.290	0.338	62.704
98 SLOUTSN	547.184	30.254	0.158	477.686	0.077	29.867

TABLE 64
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 52 (FOOTLGTH) FOOT LENGTH
9 (BLFTCIRC) BALL OF FOOT CIRCUMFERENCE

MIN MAX	190	190 198	198 206	206 214	214 222	222 230	230 238	238 246	246 254	254 262	262 270	270 278	278 286	286 294	294	TOTAL
204		0.1														0.1
204 212	0.1		0.1	0.1	0.1											0.4
212 220	0.1	0.2	0.6	0.7	0.4	0.1										2.0
220 228		0.5	1.1	2.6	2.5	1.1	0.2									7.9
228 236		0.2	1.7	5.0	6.0	4.5	2.3	0.1	0.1							19.7
236 244	0.1	0.1	1.0	5.0	9.4	12.4	9.3	5.3	0.5							43.1
244 252			0.3	2.3	9.6	21.2	23.8	20.6	5.8	1.5		0.5				85.7
252 260			0.1	1.5	5.1	16.5	39.5	43.4	25.4	11.2	2.1					144.5
260 268				0.3	1.6	13.1	33.9	75.4	60.9	30.2	7.1	2.5	0.5			225.7
268 276				0.1	0.7	5.4	23.4	44.2	74.4	36.6	20.8	1.5	0.5			207.5
276 284						1.5	8.7	24.5	42.3	37.6	22.9	6.6	1.0			145.0
284 292								11.2	14.3	20.3	22.3	7.6	1.5			77.2
292 300							0.5		7.6	9.1	8.1	3.1	0.5	1.0		30.0
300 308									1.0	1.5	2.5	1.5	1.5	0.5	0.5	9.1
308											1.0	1.0	0.5			2.5
TOTAL	0.2	1.0	4.9	17.5	35.3	75.8	141.4	224.5	232.3	148.0	86.8	24.4	6.1	1.5	0.5	1000.0

TABLE 65
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 52 (FOOTLGTH) FOOT LENGTH
9 (BLFTCIRC) BALL OF FOOT CIRCUMFERENCE

NIN / MAX	190	198	206	214	222	230	238	246	254	262	270	278	286	294	TOTAL
204															0.0
204 / 212															0.0
212 / 220															0.0
220 / 228					0.6										0.6
228 / 236				0.6	0.6	0.6	1.7								3.4
236 / 244				1.1	1.7	6.8	6.8	4.5	0.6						21.4
244 / 252					3.9	14.1	20.9	21.4	6.2	1.7		0.6			68.8
252 / 260				0.6	2.8	12.4	38.9	45.7	27.6	12.4	2.3				142.6
260 / 268					1.1	12.4	34.9	82.3	67.1	33.3	7.9	2.8	0.6		242.4
268 / 276					0.6	5.6	25.4	48.5	82.3	40.6	23.1	1.7	0.6		228.3
276 / 284						1.7	9.6	27.1	46.8	41.7	25.4	7.3	1.1		160.7
284 / 292								12.4	15.8	22.5	24.8	8.5	1.7		85.7
292 / 300							0.6		8.5	10.1	9.0	3.4	0.6	1.1	33.3
300 / 308									1.1	1.7	2.8	1.7	1.7	0.6	0.6	10.1
308											1.1	1.1	0.6		2.8
TOTAL			2.3	11.3	53.6	138.7	241.8	255.9	164.0	96.4	27.1	6.8	1.7	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
52 FOOTLGTH	269.682	13.097	0.601	110.355	0.641	10.473
9 BLFTCIRC	248.546	12.274	0.601	96.713	0.563	9.815

TABLE 66
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 52 (FOOTLGTH) FOOT LENGTH
9 (BLFTCIRC) BALL OF FOOT CIRCUMFERENCE

MIN / MAX	190	198	206	214	222	230	238	246	254	262	270	278	286	294	TOTAL
204		0.5													0.5
204 / 212	0.9		1.4	0.9	0.5										3.6
212 / 220	0.5	1.8	5.9	6.8	4.1	0.5									19.5
220 / 228		4.5	10.9	25.8	19.5	10.9	1.8								73.4
228 / 236		2.3	16.8	44.8	54.8	39.4	7.2	0.5	0.5						166.2
236 / 244	0.5	1.4	10.4	40.3	78.8	62.5	31.7	12.7							238.2
244 / 252			3.2	22.6	60.7	85.1	49.8	13.6	2.7						237.8
252 / 260			0.9	9.5	25.4	53.0	44.4	22.2	5.9						161.2
260 / 268				3.2	5.9	19.9	24.9	13.1	5.4	2.7					75.2
268 / 276				0.5	1.4	4.1	5.0	5.9	3.2	0.5					20.4
276 / 284							0.5	0.9	1.4	0.9					3.6
284 / 292									0.5						0.5
292 / 300															
300 / 308															
308															
TOTAL	1.8	10.4	49.4	154.4	250.9	275.4	165.3	68.8	19.5	4.1					1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
52 FOOTLGTH	244.385	12.224	0.578	104.464	0.626	9.977
9 BLFTCIRC	223.468	11.286	0.578	93.030	0.534	9.211

TABLE 67
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 52 (FOOTLGTH) FOOT LENGTH
51 (FTBRHOR) FOOT BREADTH, HORIZONTAL

MIN / MAX	71	71 / 75	75 / 79	79 / 83	83 / 87	87 / 91	91 / 95	95 / 99	99 / 103	103 / 107	107 / 111	111 / 115	115 / 119	119 / 123	123	TOTAL
204			0.1													0.1
204 / 212		0.1	0.1	0.1	0.1											0.4
212 / 220		0.1	0.2	0.6	0.9	0.1	0.1									2.0
220 / 228		0.1	0.5	2.0	2.5	2.1	0.7									7.9
228 / 236			0.5	3.2	6.5	5.0	3.1	1.3								19.7
236 / 244			0.1	2.2	8.0	12.2	11.6	7.9	1.0							43.1
244 / 252			0.1	0.4	5.6	17.6	28.5	18.5	13.0	1.5	0.5					85.7
252 / 260				0.2	2.2	12.0	37.4	49.8	30.6	11.2	1.0					144.5
260 / 268					0.7	5.4	34.3	80.3	71.7	24.5	5.6	3.1				225.7
268 / 276					0.1	1.8	20.5	49.3	78.4	41.3	14.7	1.5				207.5
276 / 284						1.0	5.0	24.0	51.3	44.2	16.2	3.1				145.0
284 / 292								5.6	20.3	30.5	17.3	3.1	0.5			77.2
292 / 300								2.5	5.6	9.6	7.1	3.5	1.5			30.0
300 / 308									1.0	2.1	1.5	3.1	0.5	1.0		9.1
308										0.5	1.0	0.5	0.5			2.5
TOTAL		0.2	1.5	8.7	26.4	57.3	141.4	239.4	272.9	165.4	65.0	17.7	3.1	1.0		1000.0

TABLE 68
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 52 (FOOTLGTH) FOOT LENGTH
51 (FTBRHOR) FOOT BREADTH, HORIZONTAL

MIN / MAX	71	75	79	83	87	91	95	99	103	107	111	115	119	123	TOTAL
204															0.0
204 212															0.0
212 220															0.0
220 228						0.6									0.6
228 236				0.6	0.6		1.1	1.1							3.4
236 244					1.7	3.9	7.3	7.3	1.1						21.4
244 252					0.6	9.6	23.7	18.6	14.1	1.7	0.6				68.8
252 260					0.6	7.9	34.9	52.4	33.3	12.4	1.1				142.6
260 268						3.9	34.9	87.9	78.9	27.1	6.2	3.4			242.4
268 276						1.7	22.0	54.1	86.8	45.7	16.3	1.7			228.3
276 284						1.1	5.6	26.5	56.9	49.0	18.0	3.4			160.7
284 292								6.2	22.5	33.8	19.2	3.4	0.6		85.7
292 300								2.8	6.2	10.7	7.9	3.9	1.7		33.3
300 308									1.1	2.3	1.7	3.4	0.6	1.1	10.1
308										0.6	1.1	0.6	0.6		2.8
TOTAL				0.6	3.4	28.7	129.7	257.0	301.0	183.2	72.2	19.7	3.4	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
52 FOOTLGTH	269.682	13.097	0.591	121.699	1.4171	10.571
51 FTBRHOR	100.623	5.260	0.591	36.646	0.237	4.246

TABLE 69
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 52 (FOOTLGTH) FOOT LENGTH
51 (FTBRHOR) FOOT BREADTH, HORIZONTAL

MIN / MAX	71	75	79	83	87	91	95	99	103	107	111	115	119	123	TOTAL
204			0.5												0.5
204 / 212		0.5	0.9	1.4	0.9										3.6
212 / 220		0.5	1.8	6.3	8.6	1.4	0.9								19.5
220 / 228		0.9	5.0	19.5	25.4	15.9	6.8								73.4
228 / 236			5.4	26.7	59.3	50.3	21.3	3.2							166.2
236 / 244			1.4	21.7	64.8	87.0	49.8	13.1	0.5						238.2
244 / 252			0.5	4.1	50.3	89.7	72.0	17.7	3.6						237.8
252 / 260				2.3	16.3	48.9	59.8	26.7	6.3	0.9					161.2
260 / 268					6.8	19.0	29.0	12.2	6.8	0.9	0.5				75.2
268 / 276					0.9	2.3	6.8	6.3	2.3	1.8					20.4
276 / 284								1.8	0.5	1.4					3.6
284 / 292										0.5					0.5
292 / 300															
300 / 308															
308															
TOTAL		1.8	15.4	82.0	233.2	314.3	246.4	81.1	19.9	5.4	0.5				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
52 FOOTLGTH	244.385	12.224	0.553	121.413	1.371	10.185
51 FTBRHOR	89.666	4.932	0.553	35.117	0.223	4.109

TABLE 70
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 56 (FNCLEGLG) FUNCTIONAL LEG LENGTH
86 (OVHDFRHS) OVERHEAD FINGERTIP REACH, SITTING

MIN / MAX	1164	1202	1240	1278	1316	1354	1392	1430	1468	1506	1544	1582	1620	1658	TOTAL
847	0.1														0.1
847 B79		0.1	0.1												0.2
879 911	0.7	0.3	0.5	0.4											1.9
911 943	0.1	0.4	1.5	3.4	2.4	1.3									9.0
943 975		0.1	1.8	5.2	7.9	6.4	2.5	1.0							24.8
975 1007		0.1	0.8	5.6	15.4	21.1	13.2	5.7	1.0						62.8
1007 1039			0.1	2.6	9.9	29.4	55.4	40.3	12.1	2.1					152.1
1039 1071				0.2	2.7	18.6	52.4	79.8	59.9	13.2					226.7
1071 1103					0.1	4.5	23.4	67.4	75.5	44.2	8.6	1.0			224.7
1103 1135						0.1	5.2	24.4	54.5	41.8	27.4	4.0			157.5
1135 1167							1.1	6.7	23.9	27.1	25.8	6.1	0.5		91.3
1167 1199								0.1	5.1	11.8	11.7	7.6	1.5		37.7
1199 1231										3.1	2.1	2.5	1.0		8.6
1231 1263												1.5			1.5
1263													0.5	0.5	1.0
TOTAL	0.9	0.9	4.8	17.2	38.5	81.4	153.2	225.4	232.1	143.1	75.7	22.9	3.5	0.5	1000.0

TABLE 71
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 56 (FNCLEGLG) FUNCTIONAL LEG LENGTH
86 (OVHOFRHS) OVERHEAD FINGERTIP REACH, SITTING

MIN / MAX	1164	1164 / 1202	1202 / 1240	1240 / 1278	1278 / 1316	1316 / 1354	1354 / 1392	1392 / 1430	1430 / 1468	1468 / 1506	1506 / 1544	1544 / 1582	1582 / 1620	1620 / 1658	1658	TOTAL
847																0.0
847 / 879																0.0
879 / 911	0.6															0.6
911 / 943				1.1	0.6	1.1										2.8
943 / 975				0.6	2.8	4.5	2.3	1.1								11.3
975 / 1007				1.7	7.3	16.3	12.4	6.2	1.1							45.1
1007 / 1039				1.1	3.9	21.4	54.1	42.8	13.5	2.3						139.2
1039 / 1071					1.1	15.8	51.3	84.6	66.0	14.7						233.4
1071 / 1103						3.4	22.5	72.2	82.9	49.0	9.6	1.1				240.7
1103 / 1135							5.1	25.9	59.8	46.2	30.4	4.5				171.9
1135 / 1167							1.1	7.3	26.5	29.9	28.7	6.8	0.6			100.9
1167 / 1199									5.6	13.0	13.0	8.5	1.7			41.7
1199 / 1231										3.4	2.3	2.8	1.1			9.6
1231 / 1263												1.7				1.7
1263													0.6		0.6	1.1
TOTAL	0.6			4.5	15.8	62.6	148.8	240.1	255.4	158.4	84.0	25.4	3.9		0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
56 FNCLEGLG	1082.089	51.013	0.747	155.655	0.646	33.900
86 OVHOFRHS	1433.798	59.009	0.747	498.256	0.865	39.214

TABLE 72
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 56 (FNCLEGLG) FUNCTIONAL LEG LENGTH
86 (OVHOFRHS) OVERHEAD FINGERTIP REACH, SITTING

MIN / MAX	1164	1202	1240	1278	1316	1354	1392	1430	1468	1506	1544	1582	1620	1658	TOTAL
847 / 879	0.9	0.9	1.4												2.3
879 / 911	1.4	3.2	5.0	3.6											13.1
911 / 943	0.9	3.6	15.4	23.6	19.0	2.7									65.2
943 / 975		1.4	17.7	46.2	53.9	23.1	4.1								146.3
975 / 1007		0.5	7.7	40.3	87.9	63.9	20.8	1.4							222.4
1007 / 1039			1.4	16.3	63.4	101.9	67.0	18.1							268.1
1039 / 1071				1.8	16.8	43.9	62.0	36.2	5.4						166.2
1071 / 1103					1.4	14.0	31.3	24.5	8.6	0.9					80.6
1103 / 1135						0.9	6.3	11.3	6.3	2.7	0.5				28.1
1135 / 1167							0.9	1.4	0.9	1.8					5.0
1167 / 1199								0.5	0.9	0.5					1.8
1199 / 1231															0.0
1231 / 1263															0.0
1263															0.0
TOTAL	3.2	9.5	48.5	131.8	242.3	250.5	192.5	93.3	22.2	5.9	0.5				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
56 FNCLEGLG	1011.995	49.152	0.764	120.219	0.672	31.783
86 OVHOFRHS	1326.510	55.904	0.764	448.646	0.862	36.101

TABLE 73
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 56 (FNCLEGLG) FUNCTIONAL LEG LENGTH
94 (SITTHGHT) SITTING HEIGHT

MIN / MAX	766	766 / 785	785 / 804	804 / 823	823 / 842	842 / 861	861 / 880	880 / 899	899 / 918	918 / 937	937 / 956	956 / 975	975 / 994	994 / 1013	1013	TOTAL
847			0.1		0.1											0.1
847 / 879			0.1	0.1	0.1											0.2
879 / 911	0.1	0.1	0.4	0.3	0.6	0.3		0.1								1.9
911 / 943	0.1	0.4	0.7	1.5	1.6	1.6	1.9	0.7	0.6							9.0
943 / 975	0.2	0.6	1.0	2.1	5.2	4.3	4.4	3.1	2.2	1.7						24.8
975 / 1007	0.1	0.6	1.5	4.4	7.7	9.9	14.4	11.8	7.5	3.1	1.6					62.8
1007 / 1039	0.1	0.3	1.3	6.3	6.9	15.1	25.7	34.3	30.1	22.8	5.8	2.5	1.0			152.1
1039 / 1071	0.1	0.1	0.5	2.2	8.5	9.1	32.0	39.8	54.5	42.3	25.0	11.2	1.0	0.5		226.7
1071 / 1103			0.2	0.9	4.6	12.6	17.9	37.1	46.1	41.7	41.3	15.8	5.6	1.0		224.7
1103 / 1135				0.6	1.2	2.4	12.5	17.3	29.2	35.3	28.6	23.3	6.1	1.0		157.5
1135 / 1167					0.1	2.1	5.1	10.3	15.3	17.8	15.8	13.7	10.2	0.5	0.5	91.3
1167 / 1199						0.5	1.6	5.1	6.6	5.6	8.1	5.6	1.5	2.1	1.0	37.7
1199 / 1231							0.5		1.0	3.1	1.5	1.5	0.5	0.5		8.6
1231 / 1263										0.5		1.0				1.5
1263											0.5				0.5	1.0
TOTAL	0.5	2.1	5.8	18.3	36.5	57.8	116.1	159.6	193.3	173.7	128.0	74.8	25.8	5.6	2.1	1000.0

TABLE 74
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 56 (FNCLEGLG) FUNCTIONAL LEG LENGTH
94 (SITTHGHT) SITTING HEIGHT

MIN / MAX	766	766 / 785	785 / 804	804 / 823	823 / 842	842 / 861	861 / 880	880 / 899	899 / 918	918 / 937	937 / 956	956 / 975	975 / 994	994 / 1013	1013	TOTAL
847																0.0
847 / 879																0.0
879 / 911					0.6											0.6
911 / 943						0.6	1.1	0.6	0.6							2.8
943 / 975					1.1	1.1	2.8	2.3	2.3	1.7						11.3
975 / 1007				1.7	2.8	5.6	11.8	10.7	7.3	3.4	1.7					45.1
1007 / 1039				2.8	2.8	11.3	22.0	33.3	32.1	24.8	6.2	2.8	1.1			139.2
1039 / 1071				0.6	6.2	7.3	31.6	41.1	58.6	46.2	27.6	12.4	1.1	0.6		233.4
1071 / 1103				0.6	3.9	11.8	18.0	40.0	50.2	45.7	45.7	17.5	6.2	1.1		240.7
1103 / 1135				0.6	1.1	2.3	13.0	18.6	32.1	38.9	31.6	25.9	6.8	1.1		171.9
1135 / 1167						2.3	5.6	11.3	16.9	19.7	17.5	15.2	11.3	0.6	0.6	100.9
1167 / 1199						0.6	1.7	5.6	7.3	6.2	9.0	6.2	1.7	2.3	1.1	41.7
1199 / 1231							0.6		1.1	3.4	1.7	1.7	0.6	0.6		9.6
1231 / 1263										0.6		1.1				1.7
1263											0.6				0.6	1.1
TOTAL				6.2	18.6	42.8	108.2	163.5	208.6	190.5	141.5	82.9	28.7	6.2	2.3	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
56 FNCLEGLG	1082.089	51.013	0.389	571.951	0.558	47.001
94 SITTHGHT	913.925	35.579	0.389	620.107	0.272	32.782

TABLE 75
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 56 (FNCLEGLG) FUNCTIONAL LEG LENGTH
94 (SITTHGHT) SITTING HEIGHT

MIN / MAX	766	766 / 785	785 / 804	804 / 823	823 / 842	842 / 861	861 / 880	880 / 899	899 / 918	918 / 937	937 / 956	956 / 975	975 / 994	994 / 1013	1013	TOTAL
847			0.5		0.5											0.9
847 / 879			0.5	0.9	0.9											2.3
879 / 911	0.9	0.9	4.1	3.2	0.9	2.7		0.5								13.1
911 / 943	0.5	4.1	7.2	14.5	16.3	10.9	9.1	1.8	0.9							65.2
943 / 975	2.3	6.3	10.4	21.3	41.7	32.6	19.0	10.0	1.4	1.4						146.3
975 / 1007	0.5	6.3	15.4	29.0	51.6	48.9	38.0	22.2	9.5	0.5	0.5					222.4
1007 / 1039	0.5	2.7	12.7	38.0	43.9	48.9	58.9	43.5	12.2	5.0	1.8					268.1
1039 / 1071	0.5	0.5	5.4	16.3	29.0	24.9	35.3	28.5	17.2	6.8	1.4	0.5				166.2
1071 / 1103			1.8	3.2	10.4	19.9	17.2	10.9	9.5	5.9	1.4	0.5				80.6
1103 / 1135				0.9	1.8	3.6	8.2	5.9	3.6	2.7	1.4					28.1
1135 / 1167					0.5	0.5	0.9	1.4	0.9	0.5		0.5				5.0
1167 / 1199							0.9	0.5	0.5							1.8
1199 / 1231																0.0
1231 / 1263																0.0
1263																0.0
TOTAL	5.0	20.8	58.0	127.3	197.5	192.9	187.5	125.0	55.7	22.6	6.3	1.4				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
56 FNCLEGLG	1011.995	49.152	0.377	559.065	0.532	45.595
94 SITTHGHT	851.957	34.902	0.377	581.354	0.267	32.334

TABLE 76
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 60 (HANDLGTH) HAND LENGTH
58 (HANDBRTH) HAND BREADTH

MIN / MAX	66	66 / 69	69 / 72	72 / 75	75 / 78	78 / 81	81 / 84	84 / 87	87 / 90	90 / 93	93 / 96	96 / 99	99 / 102	102 / 105	105	TOTAL
152	0.1	0.1		0.1	0.1											0.2
152 / 158			0.3	0.3	0.1											0.7
158 / 164		0.1	0.8	1.2	1.9	1.0	0.1									5.1
164 / 170	0.1		0.6	2.6	5.5	3.1	2.0									13.8
170 / 176		0.1	0.5	3.6	6.9	7.7	8.5	6.9	4.6	1.0						39.7
176 / 182			0.1	2.5	9.0	12.9	17.1	27.7	22.9	7.1	3.1	0.5				102.7
182 / 188			0.1	0.8	4.6	9.5	21.8	44.6	60.6	29.4	13.3	3.5				188.1
188 / 194				0.2	1.2	6.0	15.6	47.1	73.3	65.5	30.0	8.7	0.5			248.1
194 / 200				0.1	0.5	1.5	5.5	22.1	48.5	64.5	34.0	11.2	2.1			189.6
200 / 206					0.1	0.2	2.3	10.7	26.1	39.1	21.8	13.7	4.0	0.5		118.5
206 / 212						0.1	0.1	2.7	8.3	16.8	19.8	13.2	3.1			64.0
212 / 218							0.1		1.0	3.1	5.0	5.6	3.1	1.0	0.5	19.3
218 / 224									0.5	1.0	2.1	0.5	1.5			5.6
224 / 230											2.1	1.0	1.0			4.0
230													0.5			0.5
TOTAL	0.1	0.3	2.3	11.4	29.7	41.6	72.9	161.8	245.8	227.4	130.9	57.9	15.8	1.5	0.5	1000.0

TABLE 77
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 60 (HANDLGTH) HAND LENGTH
58 (HANDBRTH) HAND BREADTH

MIN / MAX	66	69	72	75	78	81	84	87	90	93	96	99	102	105	TOTAL
152															0.0
152 158															0.0
158 164					1.1	0.6									1.7
164 170					0.6	1.1	1.7								3.4
170 176						2.3	7.3	7.3	5.1	1.1					23.1
176 182					0.6	5.1	14.1	29.3	25.4	7.9	3.4	0.6			86.2
182 188						2.3	17.5	47.4	67.1	32.7	14.7	3.9			185.5
188 194						2.3	11.8	50.7	81.2	72.7	33.3	9.6	0.6		262.1
194 200						0.6	3.9	23.1	53.6	71.6	37.8	12.4	2.3		205.2
200 206							1.7	11.3	28.7	43.4	24.2	15.2	4.5	0.6	129.7
206 212								2.8	9.0	18.6	22.0	14.7	3.4		70.5
212 218									1.1	3.4	5.6	6.2	3.4	1.1	0.6 21.4
218 224									0.6	1.1	2.3	0.6	1.7		6.2
224 230											2.3	1.1	1.1		4.5
230													0.6		0.6
TOTAL				2.3	14.1	58.1	171.9	271.7	252.5	145.4	64.3	17.5	1.7	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
60 HANDLGTH	193.776	9.784	0.558	76.736	1.294	8.112
58 HANDBRTH	90.427	4.217	0.558	43.839	0.240	3.501

TABLE 78
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 60 (HANDLGTH) HAND LENGTH
58 (HANDBRTH) HAND BREADTH

MIN / MAX	66	66 / 69	69 / 72	72 / 75	75 / 78	78 / 81	81 / 84	84 / 87	87 / 90	90 / 93	93 / 96	96 / 99	99 / 102	102 / 105	105	TOTAL
152	0.5	0.5		0.9	0.5											2.3
152 / 158			2.7	3.2	0.9											6.8
158 / 164		1.4	7.7	12.2	9.5	4.1	0.5									35.3
164 / 170	0.5		5.9	26.3	49.4	20.8	4.5									107.3
170 / 176		0.9	4.5	36.2	68.8	56.2	19.0	3.2	0.5							189.3
176 / 182			1.4	24.5	84.7	82.9	43.9	13.6	0.5							251.4
182 / 188			0.5	8.2	45.7	74.7	60.7	19.5	2.3		0.5					212.0
188 / 194				2.3	11.8	38.9	50.3	14.9	2.7	0.5		0.5				121.8
194 / 200				0.5	4.5	9.1	19.5	13.1	2.3	0.5						49.4
200 / 206					0.9	1.8	7.2	5.0	2.3	0.5	0.5					18.1
206 / 212						0.5	0.5	1.8	2.3	0.5						5.4
212 / 218							0.5		0.5							0.9
218 / 224																0.0
224 / 230																0.0
230																0.0
TOTAL	0.9	2.7	22.6	114.1	276.7	288.9	206.5	71.1	13.1	1.8	0.9	0.5				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
60 HANDLGTH	180.457	9.679	0.596	58.485	1.536	7.776
58 HANDBRTH	144.442	4.936	0.596	37.718	0.231	6.739

TABLE 79
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 60 (HANDLGTH) HAND LENGTH
59 (HANDCIRC) HAND CIRCUMFERENCE

MIN / MAX	163	163 / 169	169 / 175	175 / 181	181 / 187	187 / 193	193 / 199	199 / 205	205 / 211	211 / 217	217 / 223	223 / 229	229 / 235	235 / 241	241	TOTAL
152	0.1		0.1	0.1												0.2
152 / 158		0.1	0.4	0.2												0.7
158 / 164	0.1	0.6	0.9	1.1	1.6	0.1	0.5									5.1
164 / 170	0.1	0.5	1.5	4.6	3.9	1.5	1.1	0.5								13.8
170 / 176	0.1	0.4	2.5	5.5	5.7	5.4	5.4	7.8	4.6	2.5						39.7
176 / 182		0.1	1.3	5.9	9.6	10.3	14.0	23.9	20.8	11.2	3.5	2.1				102.7
182 / 188			0.5	2.6	5.8	9.4	15.8	34.6	52.8	39.6	17.3	8.1	1.5			188.1
188 / 194				0.6	2.5	7.0	8.5	36.9	64.1	69.5	33.5	22.9	2.6			248.1
194 / 200			0.1	0.1	0.5	2.0	3.8	15.6	34.6	58.9	46.2	18.3	7.6	2.1		189.6
200 / 206					0.2	0.5	0.5	7.0	16.4	35.5	27.0	19.3	7.6	3.5	1.0	118.5
206 / 212					0.1		0.1	2.2	2.8	11.8	17.3	17.7	9.1	2.5	0.5	64.0
212 / 218						0.1			0.1	4.0	3.5	4.0	5.0	1.5	1.0	19.3
218 / 224										0.5	1.0	1.0	3.1			5.6
224 / 230											1.0	1.5	0.5	0.5	0.5	4.0
230														0.5		0.5
TOTAL	0.3	1.7	7.3	20.6	29.9	36.2	49.7	128.6	196.3	233.5	150.3	94.9	37.0	10.6	3.1	1000.0

TABLE 80
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 60 (HANDLGTH) HAND LENGTH
59 (HANDCIRC) HAND CIRCUMFERENCE

MIN / MAX	163	169	175	181	187	193	199	205	211	217	223	229	235	241	TOTAL
152															0.0
152 158															0.0
158 164					1.1		0.6								1.7
164 170					1.1	0.6	1.1	0.6							3.4
170 176						1.7	5.1	8.5	5.1	2.8					23.1
176 182					1.1	5.1	12.4	25.9	23.1	12.4	3.9	2.3			86.2
182 188						2.8	13.0	37.2	58.6	44.0	19.2	9.0	1.7		185.5
188 194						2.3	6.2	40.0	71.0	77.2	37.2	25.4	2.8		262.1
194 200						0.6	2.3	16.3	38.3	65.4	51.3	20.3	8.5	2.3	205.2
200 206								7.3	18.0	39.5	29.9	21.4	8.5	3.9	1.1 129.7
206 212								2.3	2.8	13.0	19.2	19.7	10.1	2.8	0.6 70.5
212 218										4.5	3.9	4.5	5.6	1.7	1.1 21.4
218 224										0.6	1.1	1.1	3.4		6.2
224 230											1.1	1.7	0.6	0.6	0.6 4.5
230														0.6	0.6
TOTAL				3.4	13.0	40.6	138.1	217.0	259.3	166.9	105.4	41.1	11.8	3.4	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
60 HANDLGTH	193.776	9.784	0.564	71.874	0.570	8.079
59 HANDCIRC	213.787	9.684	0.564	105.530	0.559	7.977

TABLE 81
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 60 (HANDLGTH) HAND LENGTH
59 (HANDCIRC) HAND CIRCUMFERENCE

MIN / MAX	163	163 / 169	169 / 175	175 / 181	181 / 187	187 / 193	193 / 199	199 / 205	205 / 211	211 / 217	217 / 223	223 / 229	229 / 235	235 / 241	241	TOTAL
152	0.9		0.9	0.5												2.3
152 / 158		0.9	3.6	2.3												6.8
158 / 164	1.4	6.3	9.5	10.9	5.9	1.4										35.3
164 / 170	0.5	5.4	15.4	45.7	29.0	10.0	1.4									107.3
170 / 176	0.5	3.6	24.5	54.8	57.1	38.9	8.2	1.8								189.3
176 / 182		0.9	13.1	58.9	86.1	57.1	28.5	6.3	0.5							251.4
182 / 188			5.0	26.3	58.4	68.4	41.2	11.3	0.9	0.5						212.0
188 / 194				6.3	24.5	49.4	29.4	9.1	2.3	0.5			0.5			121.8
194 / 200			0.5	0.9	5.4	14.5	17.2	9.1	1.4	0.5						49.4
200 / 206					1.8	4.5	4.5	4.1	2.3		0.9					18.1
206 / 212					0.5		0.9	1.4	2.3	0.5						5.4
212 / 218						0.5			0.5							0.9
218 / 224																0.0
224 / 230																0.0
230																0.0
TOTAL	3.2	17.2	72.5	206.5	268.6	244.6	131.3	43.0	10.0	1.8	0.9		0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
60 HANDLGTH	180.457	9.679	0.603	51.727	0.692	7.717
59 HANDCIRC	186.150	8.453	0.603	90.987	0.527	6.739

TABLE 82
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 61 (HEADBRTH) HEAD BREADTH
62 (HEADCIRC) HEAD CIRCUMFERENCE

MIN / MAX	505	505 / 514	514 / 523	523 / 532	532 / 541	541 / 550	550 / 559	559 / 568	568 / 577	577 / 586	586 / 595	595 / 604	604 / 613	613 / 622	622	TOTAL
123																0.0
123 / 127		0.1														0.1
127 / 131	0.1		0.1		0.7											0.8
131 / 135	0.1	0.3	0.2	0.7	0.5	0.5	0.1	0.1	0.1							2.5
135 / 139		0.4	2.8	3.6	4.9	5.9	2.5	1.5	0.6		0.1					22.4
139 / 143	0.1	0.2	1.5	5.9	14.5	18.3	20.2	9.2	2.4	3.3	0.1					75.7
143 / 147	0.1	0.6	1.3	4.1	18.3	29.7	46.2	39.7	20.3	8.3	1.6					169.9
147 / 151			0.1	2.3	7.6	29.1	56.2	76.6	60.7	22.0	6.8	1.0				262.3
151 / 155					3.9	10.9	36.3	60.1	74.8	44.2	23.0	6.2	2.6	0.5		262.4
155 / 159				0.1	1.6	3.7	11.9	23.0	30.7	34.1	15.8	9.6	2.1	1.0		133.4
159 / 163						1.6	1.6	3.2	11.2	19.3	10.2	3.6	2.5	0.5		53.8
163 / 167							1.5	1.5	2.6	3.1	3.1	2.1	0.5		0.5	14.7
167 / 171												0.5	0.5			1.0
171 / 175												0.5	0.5			1.0
175																0.0
TOTAL	0.2	1.5	5.9	16.7	52.0	99.8	176.4	214.9	203.2	134.3	60.4	23.4	8.7	2.1	0.5	1000.0

TABLE 83
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 61 (HEAOBRTH) HEAD BREADTH
62 (HEAOCIRC) HEAD CIRCUMFERENCE

MIN / MAX	505	505 / 514	514 / 523	523 / 532	532 / 541	541 / 550	550 / 559	559 / 568	568 / 577	577 / 586	586 / 595	595 / 604	604 / 613	613 / 622	622	TOTAL
123																0.0
123 / 127																0.0
127 / 131					0.6											0.6
131 / 135																0.0
135 / 139			1.1	1.1	1.7	3.9	1.7	1.1	0.6							11.3
139 / 143				1.7	6.8	11.8	17.5	7.9	2.3	3.4						51.3
143 / 147		0.6	0.6	2.3	13.0	23.7	43.4	39.5	21.4	9.0	1.7					155.0
147 / 151				1.7	6.2	28.2	56.4	81.2	66.0	24.2	7.3	1.1				272.3
151 / 155					3.9	10.7	38.9	64.8	82.3	48.5	25.4	6.8	2.8	0.6		284.7
155 / 159					1.7	3.9	13.0	25.4	33.8	37.8	17.5	10.7	2.3	1.1		147.1
159 / 163						1.7	1.7	3.4	12.4	21.4	11.3	3.9	2.8	0.6		59.2
163 / 167							1.7	1.7	2.8	3.4	3.4	2.3	0.6		0.6	16.3
167 / 171												0.6	0.6			1.1
171 / 175												0.6	0.6			1.1
175																0.0
TOTAL		0.6	1.7	6.8	33.8	84.0	174.2	224.9	221.5	147.7	66.5	25.9	9.6	2.3	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
61 HEADBRTH	151.676	5.402	0.541	43.650	0.190	4.543
62 HEADCIRC	567.657	15.363	0.541	334.171	1.539	12.922

TABLE 84
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 61 (HEAOBRTH) HEAO BREADTH
62 (HEADCIRC) HEAO CIRCUMFERENCE

MIN / MAX	505	505 / 514	514 / 523	523 / 532	532 / 541	541 / 550	550 / 559	559 / 568	568 / 577	577 / 586	586 / 595	595 / 604	604 / 613	613 / 622	622	TOTAL
123																0.0
123 / 127		0.5														0.5
127 / 131	0.5		0.5		1.4											2.3
131 / 135	0.5	2.7	2.3	7.2	5.0	5.4	0.9	0.5	0.5							24.9
135 / 139		4.1	18.1	26.3	34.0	24.0	9.5	5.0	0.5		0.5					121.8
139 / 143	0.9	2.3	15.4	43.9	84.2	76.5	44.4	21.3	3.6	2.7	0.5					295.7
143 / 147	0.5	0.5	7.2	20.4	66.1	83.8	71.1	41.7	10.4	2.3	0.5					304.3
147 / 151			0.5	7.7	19.9	37.6	54.3	35.3	13.1	1.8	1.8	0.5				172.6
151 / 155					4.1	12.7	12.7	17.7	6.8	5.4	1.8	0.5	0.5			62.0
155 / 159				0.5	0.9	1.4	2.3	1.8	2.7	0.5	0.5					10.4
159 / 163						0.5	0.9	1.8	0.5	0.9		0.5				5.0
163 / 167									0.5							0.5
167 / 171																0.0
171 / 175																0.0
175																0.0
TOTAL	2.3	10.0	43.9	106.0	215.6	241.8	196.1	125.0	38.5	13.6	5.4	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
61 HEADBRTH	144.442	4.936	0.497	52.920	0.168	4.283
62 HEADCIRC	546.226	14.648	0.497	333.074	1.476	12.712

TABLE 85
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 61 (HEADBRTH) HEAD BREADTH
63 (HEADLGTH) HEAD LENGTH

MIN / MAX	156	156 / 161	161 / 166	166 / 171	171 / 176	176 / 181	181 / 186	186 / 191	191 / 196	196 / 201	201 / 206	206 / 211	211 / 216	216 / 221	221	TOTAL
123																0.0
123 / 127						0.1										0.1
127 / 131					0.1	0.1	0.1	0.1	0.5							0.8
131 / 135					0.2	0.4	0.8	0.6	0.3	0.1	0.1					2.5
135 / 139				0.1	0.8	2.4	5.2	5.4	4.4	3.1	0.5		0.5			22.4
139 / 143			0.1	0.2	1.0	5.2	11.2	18.4	19.8	12.5	5.3	2.1				75.7
143 / 147		0.1	0.1	0.1	2.5	4.3	16.3	30.5	42.6	39.7	25.6	6.6	1.5			169.9
147 / 151				0.1	1.2	5.9	12.3	42.9	69.5	72.5	44.9	11.7	1.5			262.3
151 / 155				0.1	0.3	3.4	13.9	32.5	67.2	67.3	50.5	22.4	2.5	2.5		262.4
155 / 159				0.1	0.6	3.6	8.8	14.9	28.2	31.1	25.9	15.2	4.0	1.0		133.4
159 / 163					0.6		2.3	7.8	9.2	16.2	11.2	5.0	1.0	0.5		53.8
163 / 167						0.6	1.0	2.1	3.5	4.0	2.1	1.0		0.5		14.7
167 / 171										0.5	0.5					1.0
171 / 175									0.5		0.5					1.0
175																0.0
TOTAL		0.1	0.1	0.5	7.2	25.9	71.7	154.9	245.7	247.1	167.0	64.0	11.2	4.6		1000.0

TABLE 86
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 61 (HEADBRTH) HEAD BREADTH
63 (HEADLGTH) HEAD LENGTH

MIN / MAX	156	156 / 161	161 / 166	166 / 171	171 / 176	176 / 181	181 / 186	186 / 191	191 / 196	196 / 201	201 / 206	206 / 211	211 / 216	216 / 221	221	TOTAL
123																0.0
123 / 127																0.0
127 / 131									0.6							0.6
131 / 135																0.0
135 / 139						0.6	1.1	2.3	3.4	2.8	0.6		0.6			11.3
139 / 143						0.6	3.4	10.7	16.3	12.4	5.6	2.3				51.3
143 / 147					1.1	1.1	9.6	23.7	40.6	41.7	28.2	7.3	1.7			155.0
147 / 151					0.6	4.5	9.6	41.7	72.2	79.5	49.6	13.0	1.7			272.3
151 / 155						2.8	14.1	34.4	73.3	73.8	55.8	24.8	2.8	2.8		284.7
155 / 159					0.6	3.9	9.6	16.3	31.0	34.4	28.7	16.9	4.5	1.1		147.1
159 / 163					0.6		2.3	8.5	10.1	18.0	12.4	5.6	1.1	0.6		59.2
163 / 167						0.6	1.1	2.3	3.9	4.5	2.3	1.1		0.6		16.3
167 / 171										0.6	0.6					1.1
171 / 175									0.6		0.6					1.1
175																0.0
TOTAL					2.8	14.1	50.7	139.8	252.0	267.8	184.3	71.0	12.4	5.1		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
61 HEADBRTH	151.676	5.402	0.118	133.574	0.092	5.364
63 HEADLGTH	197.107	7.056	0.118	173.335	0.157	7.007

TABLE 87
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 61 (HEADBRTH) HEAD BREADTH
63 (HEADLGTH) HEAD LENGTH

MIN / MAX	156	156 / 161	161 / 166	166 / 171	171 / 176	176 / 181	181 / 186	186 / 191	191 / 196	196 / 201	201 / 206	206 / 211	211 / 216	216 / 221	221	TOTAL
123																0.0
123 / 127						0.5										0.5
127 / 131					0.5	0.9	0.5	0.5								2.3
131 / 135					2.3	3.6	8.2	5.9	3.2	1.4	0.5					24.9
135 / 139				0.5	8.2	18.6	42.1	33.5	13.1	5.9						121.8
139 / 143			0.5	1.8	10.4	46.6	81.5	87.4	51.6	13.1	2.3	0.5				295.7
143 / 147		0.5	0.5	1.4	14.9	33.5	76.5	91.5	61.1	21.7	2.3	0.5				304.3
147 / 151				0.9	6.3	18.6	36.2	53.9	44.8	9.5	2.3					172.6
151 / 155				0.5	2.7	8.6	11.8	14.9	11.8	8.6	2.7	0.5				62.0
155 / 159				0.5	0.9	0.9	1.8	2.3	2.7	0.9	0.5					10.4
159 / 163					0.5		1.8	1.4	0.9		0.5					5.0
163 / 167						0.5										0.5
167 / 171																0.0
171 / 175																0.0
175																0.0
TOTAL		0.5	0.9	5.4	46.6	132.2	260.4	291.2	189.3	61.1	10.9	1.4				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
61 HEADBRTH	144.442	4.936	0.130	125.500	0.101	4.894
63 HEADLGTH	187.223	6.414	0.130	162.344	0.171	6.360

TABLE 88
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 63 (HEADLGTH) HEAD LENGTH
62 (HEADCIRC) HEAD CIRCUMFERENCE

MIN / MAX	505	505 / 514	514 / 523	523 / 532	532 / 541	541 / 550	550 / 559	559 / 568	568 / 577	577 / 586	586 / 595	595 / 604	604 / 613	613 / 622	622	TOTAL
156																0.0
156 / 161	0.1															0.1
161 / 166	0.1	0.1														0.1
166 / 171	0.1	0.1	0.1	0.2	0.1											0.5
171 / 176	0.1	1.2	2.1	1.9	0.7	1.2	0.1	0.1								7.2
176 / 181		0.2	2.3	7.0	11.1	2.7	2.2	0.5	0.1							25.9
181 / 186			1.4	5.4	18.8	27.1	17.7	1.3								71.7
186 / 191				2.3	18.1	42.1	53.3	31.0	8.1	0.1						154.9
191 / 196					3.2	23.9	76.9	87.1	42.6	10.9	0.5	0.5				245.7
196 / 201						2.7	23.8	76.0	93.5	42.2	8.3	0.6				247.1
201 / 206							2.5	18.5	54.4	57.1	25.6	6.7	2.1			167.0
206 / 211								0.5	4.0	22.9	23.9	9.6	2.6	0.5		64.0
211 / 216									0.5	1.0	2.1	5.0	1.5	1.0		11.2
216 / 221												1.0	2.5	0.5	0.5	4.6
221																0.0
TOTAL	0.2	1.5	5.9	16.7	52.0	99.8	176.4	214.9	203.2	134.3	60.4	23.4	8.7	2.1	0.5	1000.0

TABLE 89
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 63 (HEADLGTH) HEAD LENGTH
62 (HEAOCIRC) HEAD CIRCUMFERENCE

MIN / MAX	505	505 / 514	514 / 523	523 / 532	532 / 541	541 / 550	550 / 559	559 / 568	568 / 577	577 / 586	586 / 595	595 / 604	604 / 613	613 / 622	622	TOTAL
156																0.0
156 / 161																0.0
161 / 166																0.0
166 / 171																0.0
171 / 176		0.6	0.6	0.6		1.1										2.8
176 / 181				2.8	7.3	1.1	2.3	0.6								14.1
181 / 186			1.1	1.7	9.0	20.9	16.9	1.1								50.7
186 / 191				1.7	14.1	34.9	49.0	31.6	8.5							139.8
191 / 196					3.4	23.1	77.2	89.6	45.7	11.8	0.6	0.6				252.0
196 / 201						2.8	25.9	81.2	102.0	46.2	9.0	0.6				267.8
201 / 206							2.8	20.3	60.3	63.1	28.2	7.3	2.3			184.3
206 / 211								0.6	4.5	25.4	26.5	10.7	2.8	0.6		71.0
211 / 216									0.6	1.1	2.3	5.6	1.7	1.1		12.4
216 / 221												1.1	2.8	0.6	0.6	5.1
221																0.0
TOTAL		0.6	1.7	6.8	33.8	84.0	174.2	224.9	221.5	147.7	66.5	25.9	9.6	2.3	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
63 HEADLGTH	197.107	7.056	0.820	-16.592	0.376	4.044
62 HEADCIRC	567.657	15.363	0.820	215.932	1.784	8.804

TABLE 90
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 63 (HEADLGTH) HEAD LENGTH
62 (HEADCIRC) HEAD CIRCUMFERENCE

MIN / MAX	505	514	523	532	541	550	559	568	577	586	595	604	613	622	TOTAL
156															0.0
156 / 161	0.5														0.5
161 / 166	0.5	0.5													0.9
166 / 171	0.5	1.4	0.9	1.8	0.9										5.4
171 / 176	0.9	6.3	15.9	13.6	7.2	1.8	0.5	0.5							46.6
176 / 181		1.8	22.6	44.4	45.3	16.8	0.9		0.5						132.2
181 / 186			4.5	38.5	106.9	83.3	24.5	2.7							260.4
186 / 191				7.7	53.9	107.3	91.5	25.4	5.0	0.5					291.2
191 / 196					1.4	31.3	73.8	64.8	14.9	3.2					189.3
196 / 201						1.4	5.0	29.4	16.8	6.3	1.8	0.5			61.1
201 / 206								2.3	1.4	3.6	2.7	0.9			10.9
206 / 211											0.9		0.5		1.4
211 / 216															0.0
216 / 221															0.0
221															0.0
TOTAL	2.3	10.0	43.9	106.0	215.6	241.8	196.1	125.0	38.5	13.6	5.4	1.4	0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
63 HEADLGTH	187.223	6.414	0.824	-9.868	0.361	3.635
62 HEADCIRC	546.226	14.648	0.824	193.908	1.882	8.301

TABLE 91
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 73 (KNEEHTMP) KNEE HEIGHT, MIDPATELLA
39 (CRCHHGHT) CRDTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
372 / 622	0.1														0.1
372 / 390		0.1	0.1												0.1
390 / 408		0.1	2.0	0.6	0.1										2.8
408 / 426		0.1	0.6	4.5	2.5	0.1									7.7
426 / 444			0.1	5.7	17.5	5.5	0.1								28.9
444 / 462				1.8	15.0	39.3	9.6	0.6							66.1
462 / 480					3.7	48.2	82.9	7.7							142.5
480 / 498					0.1	14.7	93.9	109.8	9.9						228.4
498 / 516						0.5	15.9	118.0	85.0	7.7					227.1
516 / 534							1.5	25.5	81.9	50.6	2.5				162.0
534 / 552								4.0	22.9	40.7	25.0	1.5			94.1
552 / 570									1.5	9.1	17.7	4.0			32.5
570 / 588											2.5	2.1	1.0		5.6
588 / 606												0.5	0.5		1.0
606														0.5	0.5 1.0
TOTAL	0.1	0.2	2.7	12.6	38.8	108.2	203.8	265.6	201.1	108.1	47.8	8.1	1.5	0.5	0.5 1000.0

TABLE 92
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 73 (KNEEHTMP) KNEE HEIGHT, MIDPATELLA
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
372															0.0
372 390															0.0
390 408			0.6												0.6
408 426															0.0
426 444				2.8	6.2	1.1									10.1
444 462				1.7	9.6	24.8	6.8	0.6							43.4
462 480					3.9	45.7	76.7	6.2							132.5
480 498						15.8	98.6	115.0	10.1						239.6
498 516						0.6	17.5	128.0	92.4	7.9					246.3
516 534							1.7	28.2	90.2	55.8	2.8				178.7
534 552								4.5	25.4	45.1	27.6	1.7			104.3
552 570									1.7	10.1	19.7	4.5			36.1
570 588											2.8	2.3	1.1		6.2
588 606												0.6	0.6		1.1
606													0.6	0.6	1.1
TOTAL			0.6	4.5	19.7	87.9	201.2	282.4	219.8	118.9	53.0	9.0	1.7	0.6	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
73 KNEEHTMP	504.837	27.574	0.915	48.123	0.546	11.129
39 CRCHHGHT	837.191	46.248	0.915	62.440	1.535	18.666

TABLE 93
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 73 (KHEEHTMP) KNEE HEIGHT, MIDPATELLA
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX		622 / 654	654 / 686	686 / 718	718 / 750	750 / 782	782 / 814	814 / 846	846 / 878	878 / 910	910 / 942	942 / 974	974 / 1006	1006 / 1038	1038 /	TOTAL
372 / 390	0.5															0.5
390 / 408		0.5	0.9													1.4
408 / 426		1.4	14.5	6.3	0.5											22.6
426 / 444		0.5	5.9	45.3	24.9	0.9										77.4
444 / 462			0.5	31.7	119.6	45.3	0.9									197.9
462 / 480				2.3	63.4	169.8	34.4	0.9								270.8
480 / 498					2.3	70.2	138.6	21.3								232.3
498 / 516					0.5	5.0	51.6	62.5	8.2							127.7
516 / 534							1.8	28.5	18.1	5.4						53.9
534 / 552								1.4	6.8	4.1						12.2
552 / 570										1.4	1.4					2.7
570 / 588																0.0
588 / 606												0.5				0.5
606 /																0.0
																0.0
TOTAL	0.5	2.3	21.7	85.6	211.1	291.2	227.4	114.6	33.1	10.9	1.4	0.5				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
73 KHEEHTMP	458.668	26.091	0.930	34.823	0.549	9.616
39 CRCHHGHT	771.351	44.143	0.930	49.959	1.573	16.269

TABLE 94
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 76 (LATMALHT) LATERAL MALLEOLUS HEIGHT
13 (BIOLBDTH) BIDELTOID BREADTH

MIN / MAX		383 / 398	398 / 413	413 / 428	428 / 443	443 / 458	458 / 473	473 / 488	488 / 503	503 / 518	518 / 533	533 / 548	548 / 563	563 / 578	578	TOTAL
41																0.0
41 / 45			0.1	0.1		0.1										0.2
45 / 49		0.1	0.1	0.3	0.2	0.1		0.1								0.7
49 / 53	0.3	0.3	1.8	2.0	1.9	1.5	1.2	0.7	0.7							10.3
53 / 57	0.5	1.4	3.6	6.3	7.5	7.9	6.4	6.5	5.8	3.5	0.5	0.5				50.2
57 / 61	0.3	1.4	4.1	7.7	10.0	22.5	20.6	25.5	22.1	14.3	7.1	0.5	0.5			136.6
61 / 65	0.3	0.6	3.0	8.6	11.8	22.7	33.3	49.1	46.3	40.1	15.8	5.0	1.0		0.5	238.3
65 / 69	0.1	0.3	1.4	4.7	8.2	17.0	41.8	62.7	59.0	45.2	30.5	11.2	3.1			285.1
69 / 73		0.2	0.3	0.8	1.6	11.0	19.3	32.2	43.2	32.5	17.3	10.2	1.0	0.5	0.5	170.4
73 / 77		0.1		0.3	0.8	2.8	9.1	9.1	18.3	16.2	8.1	5.0	1.0	1.0	0.5	72.5
77 / 81				0.1	0.1	2.1	2.5	5.0	4.0	7.1	5.0	3.1	0.5			29.6
81 / 85						0.5		0.5	0.1	1.0	1.5		1.0			4.6
85 / 89										0.5			0.5			1.0
89 / 93									0.5							0.5
93																0.0
TOTAL	1.3	4.3	14.3	30.9	42.0	88.0	134.2	191.4	199.9	160.5	85.9	35.5	8.6	1.5	1.5	1000.0

TABLE 95
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 76 (LATMALHT) LATERAL MALLEOLUS HEIGHT
13 (BIOLBOTH) BIOELTOIO BREADTH

MIN / MAX	383	398	413	428	443	458	473	488	503	518	533	548	563	578	TOTAL
41															0.0
41 / 45															0.0
45 / 49															0.0
49 / 53					0.6	0.6	1.1	0.6	0.6						3.4
53 / 57			0.6	0.6	2.3	5.6	5.6	6.8	6.2	3.9	0.6	0.6			32.7
57 / 61				1.1	2.8	19.7	20.3	27.6	24.2	15.8	7.9	0.6	0.6		120.6
61 / 65				2.8	5.6	19.7	33.8	53.6	51.3	44.5	17.5	5.6	1.1	0.6	236.2
65 / 69				1.7	5.6	16.3	45.1	69.3	65.4	50.2	33.8	12.4	3.4		303.3
69 / 73					0.6	11.3	20.9	35.5	47.9	36.1	19.2	11.3	1.1	0.6	0.6	184.9
73 / 77					0.6	2.8	10.1	10.1	20.3	18.0	9.0	5.6	1.1	1.1	0.6	79.5
77 / 81						2.3	2.8	5.6	4.5	7.9	5.6	3.4	0.6			32.7
81 / 85						0.6		0.6		1.1	1.7		1.1			5.1
85 / 89										0.6			0.6			1.1
89 / 93									0.6							0.6
93																0.0
TOTAL			0.6	6.2	18.0	78.9	139.8	209.7	221.0	178.1	95.3	39.5	9.6	1.7	1.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
76 LATMALHT	67.068	5.471	0.241	41.999	0.051	5.310
13 BIOLBOTH	491.756	25.933	0.241	414.933	1.145	25.172

TABLE 96
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 76 (LATMALHT) LATERAL MALLEOLUS HEIGHT
13 (BIOLBDTH) BIDELTOID BREADTH

MIN / MAX	383	398	413	428	443	458	473	488	503	518	533	548	563	578	TOTAL
41															0.0
41 / 45			0.9	0.5		0.5									1.8
45 / 49		0.5	0.5	3.2	1.8	0.9		0.5							7.2
49 / 53	2.7	3.2	18.1	19.9	14.0	9.5	2.3	1.4	1.4						72.5
53 / 57	4.5	13.6	30.3	58.0	53.9	28.1	13.6	3.6	2.3						207.9
57 / 61	2.7	13.6	40.8	67.0	75.2	47.6	23.1	6.8	2.7	0.9					280.3
61 / 65	2.7	6.3	29.9	61.1	67.9	49.4	28.5	8.2	1.8	0.9	0.9				257.7
65 / 69	0.5	2.7	14.0	31.7	31.7	23.6	11.8	3.6	0.9		0.5				120.9
69 / 73		1.8	3.2	8.2	10.4	8.2	5.0	2.7	0.9						40.3
73 / 77		0.9		2.7	2.7	2.7		0.5							9.5
77 / 81				0.9	0.5										1.4
81 / 85									0.5						0.5
85 / 89															0.0
89 / 93															0.0
93															0.0
TOTAL	13.1	42.6	137.7	253.2	258.2	170.3	84.2	27.2	10.4	1.8	1.4				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
76 LATMALHT	60.615	5.309	0.161	44.254	0.038	5.241
13 BIDLBDTH	432.597	22.632	0.161	390.944	0.687	22.341

TABLE 97
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 78 (MENSELL) MEMTON-SELLION LENGTH
23 (BSTPTBR) BUSTPOINT/THELION-BUSTPOINT/THELION BREADTH

MIN / MAX	135	135 / 146	146 / 157	157 / 168	168 / 179	179 / 190	190 / 201	201 / 212	212 / 223	223 / 234	234 / 245	245 / 256	256 / 267	267 / 278	278	TOTAL
95					0.1		0.1									0.1
95 / 99				0.2	0.1	0.1	0.1									0.5
99 / 103		0.1	0.1	0.9	1.0	0.8	1.1	0.4	0.1		0.5					4.8
103 / 107	0.1	0.2	0.6	1.1	2.3	3.4	4.0	1.9	2.9	1.1		0.5				18.1
107 / 111			0.7	3.6	6.7	9.3	9.9	8.7	7.1	6.8	2.5	1.0				56.3
111 / 115	0.1	0.3	1.0	2.8	9.0	17.1	27.8	22.1	21.2	13.5	10.8	3.5	1.0			130.3
115 / 119	0.1	0.1	0.4	2.8	9.2	14.8	29.8	45.5	42.3	32.7	15.8	5.0	1.0		0.5	199.9
119 / 123			0.4	1.5	4.3	18.5	36.4	50.9	44.1	37.2	25.4	10.2	6.1			235.0
123 / 127			0.1	1.9	4.0	6.8	24.0	39.0	42.8	30.0	15.8	4.6	4.6	2.1	0.5	175.9
127 / 131				0.1	2.4	5.0	11.3	21.0	27.5	23.8	15.8	4.0	1.5	0.5		113.0
131 / 135						2.1	5.0	12.7	8.1	8.6	5.0	1.5	1.5	0.5		45.3
135 / 139					0.5	1.5	1.0	3.1	2.1	3.5	3.5	1.0				16.2
139 / 143							0.5	0.5		1.0	0.5		1.0			3.5
143 / 147										0.5						0.5
147									0.5							0.5
TOTAL	0.1	0.6	3.4	14.9	39.4	79.2	151.1	205.8	198.8	158.8	95.6	31.4	16.7	3.1	1.0	1000.0

TABLE 98
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 78 (MENSELL) MENTON-SELLION LENGTH
23 (BSTPT8R) BUSTPOINT/THELION-BUSTPOINT/THELION BREADTH

MIN / MAX	135	146	157	168	179	190	201	212	223	234	245	256	267	278	TOTAL
95															0.0
95 / 99															0.0
99 / 103						0.6				0.6					1.1
103 / 107						2.3	1.1	2.8	1.1		0.6				7.9
107 / 111				1.7	3.4	5.6	7.3	7.3	7.3	2.8	1.1				36.6
111 / 115				3.9	11.3	24.8	21.4	22.5	14.7	11.8	3.9	1.1			115.6
115 / 119			1.1	6.2	10.1	28.7	47.9	46.2	36.1	17.5	5.6	1.1		0.6	201.2
119 / 123			0.6	2.3	16.9	37.8	55.2	48.5	41.1	28.2	11.3	6.8			248.6
123 / 127			1.7	3.4	6.8	25.9	42.8	47.4	33.3	17.5	5.1	5.1	2.3	0.6	191.7
127 / 131				2.3	5.1	12.4	23.1	30.4	26.5	17.5	4.5	1.7	0.6		124.0
131 / 135					2.3	5.6	14.1	9.0	9.6	5.6	1.7	1.7	0.6		50.2
135 / 139				0.6	1.7	1.1	3.4	2.3	3.9	3.9	1.1				18.0
139 / 143						0.6	0.6		1.1	0.6		1.1			3.9
143 / 147									0.6						0.6
147								0.6							0.6
TOTAL			3.4	20.3	57.5	145.4	217.0	217.0	175.3	106.0	34.9	18.6	3.4	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
78 MENSELL	121.194	6.486	0.127	112.383	0.044	6.433
23 BSTPT8R	215.880	18.919	0.127	170.078	0.376	18.767

TABLE 99
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 78 (MENSELL) MENTON-SELLION LENGTH
23 (BSTPTBR) BUSTPOINT/THELION-BUSTPOINT/THELION BREADTH

MIN / MAX	135	135 / 146	146 / 157	157 / 168	168 / 179	179 / 190	190 / 201	201 / 212	212 / 223	223 / 234	234 / 245	245 / 256	256 / 267	267 / 278	278	TOTAL
95					0.5		0.5									0.9
95 / 99				1.8	0.9	0.9	1.4									5.0
99 / 103		0.5	1.4	8.6	10.0	8.2	5.4	3.6	0.9							38.5
103 / 107	0.5	2.3	6.3	11.3	23.1	33.5	19.5	8.6	3.6	0.9						109.6
107 / 111			7.2	36.2	51.6	62.0	48.5	21.3	5.4	1.8						234.1
111 / 115	0.5	3.2	10.0	27.6	54.8	69.3	54.8	28.5	9.5	2.7	1.4					262.2
115 / 119	0.5	0.5	4.1	18.6	35.8	56.6	39.9	23.6	6.8	1.8						188.0
119 / 123			3.6	10.0	22.2	33.1	24.0	12.2	5.0	2.3	0.5					112.8
123 / 127			0.9	3.2	9.5	6.3	7.2	4.5	1.8	0.5						34.0
127 / 131				0.9	3.2	4.1	1.8	2.3	1.8							14.0
131 / 135						0.5		0.5								0.9
135 / 139																0.0
139 / 143																0.0
143 / 147																0.0
147																0.0
TOTAL	1.4	6.3	33.5	118.2	211.5	274.5	202.9	105.1	34.9	10.0	1.8					1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
78 MENSELL	113.456	5.964	0.123	105.078	0.045	5.920
23 BSTPTBR	184.808	16.192	0.123	146.903	0.334	16.072

TABLE 100
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 81 (NECKCIRC) NECK CIRCUMFERENCE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN MAX	691	691 716	716 741	741 766	766 791	791 816	816 841	841 866	866 891	891 916	916 941	941 966	966 991	991 1016	1016	TOTAL
280			0.1	0.1	0.1	0.1										0.4
280 294		0.2	0.5	2.0	1.9	1.3	0.5	0.1								6.4
294 308	0.1	0.2	1.1	4.1	7.2	7.5	4.6	1.9	0.4	0.1						27.1
308 322		0.1	0.4	3.5	7.3	10.1	8.8	4.4	1.1	0.1		0.1				35.9
322 336			0.2	0.7	3.7	7.6	7.8	6.4	3.0	0.3	0.6					30.2
336 350			0.6	1.0	1.6	5.2	9.0	13.7	13.2	4.8	2.2					51.3
350 364			0.5	0.1	1.2	5.2	26.6	34.5	42.3	24.4	8.1	1.6		0.5		145.1
364 378					0.5	10.2	24.9	59.0	73.2	55.8	25.4	7.1	0.5			256.6
378 392						3.1	10.2	38.5	67.5	52.3	41.1	18.3	2.1			232.8
392 406							2.5	15.2	31.0	38.5	25.8	15.8	3.5	1.0		133.5
406 420							0.5	4.6	12.7	13.2	13.7	8.1	3.1	0.5	0.5	56.8
420 434							0.5	1.5	4.0	3.1	5.6	3.5	1.5	0.5		20.3
434 448								0.5		0.5			0.5			1.5
448 462											0.5		0.5			1.0
462												0.5	0.5			1.0
TOTAL	0.1	0.5	3.3	11.6	23.5	50.3	96.1	180.3	248.3	192.9	122.9	54.9	12.1	2.5	0.5	1000.0

TABLE 101
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 81 (NECKCIRC) NECK CIRCUMFERENCE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN / MAX	691	716	741	766	791	816	841	866	891	916	941	966	991	1016	TOTAL
280															0.0
280 294															0.0
294 308															0.0
308 322							0.6								0.6
322 336						2.3	2.8	2.3	1.7		0.6				9.6
336 350			0.6	1.1	1.1	3.9	7.9	13.5	13.5	5.1	2.3				49.0
350 364			0.6		1.1	5.6	29.3	37.8	46.8	27.1	9.0	1.7		0.6	159.5
364 378					0.6	11.3	27.6	65.4	81.2	62.0	28.2	7.9	0.6		284.7
378 392						3.4	11.3	42.8	75.0	58.1	45.7	20.3	2.3		258.7
392 406							2.8	16.9	34.4	42.8	28.7	17.5	3.9	1.1	148.3
406 420							0.6	5.1	14.1	14.7	15.2	9.0	3.4	0.6	0.6 63.1
420 434							0.6	1.7	4.5	3.4	6.2	3.9	1.7	0.6	22.5
434 448								0.6		0.6			0.6		1.7
448 462											0.6		0.6		1.1
462												0.6	0.6		1.1
TOTAL			1.1	1.1	2.8	26.5	82.9	186.6	271.1	213.6	136.4	60.9	13.5	2.8	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
81 NECKCIRC	379.569	19.686	0.439	177.354	0.228	17.685
97 SLLSPWR	885.976	37.934	0.439	564.304	0.847	34.078

TABLE 102
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 81 (NECKCIRC) NECK CIRCUMFERENCE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN / MAX	691	716	741	766	791	816	841	866	891	916	941	966	991	1016	TOTAL
280			0.5	1.4	0.9	0.9									3.6
280 / 294		2.3	5.0	20.4	18.6	12.7	5.0	0.5							64.3
294 / 308	1.4	1.8	11.3	41.2	72.0	74.7	46.2	18.6	3.6	0.5					271.3
308 / 322		0.9	3.6	35.3	73.4	101.0	88.3	38.9	10.9	0.5		0.5			353.3
322 / 336			1.8	6.8	37.1	55.7	53.0	43.0	14.9	3.2	0.5				216.0
336 / 350			0.5		6.3	17.2	18.6	15.9	10.4	1.8	0.9				71.6
350 / 364				1.4	1.8	1.8	2.7	5.0	2.3	0.5		0.5			15.9
364 / 378						0.5	0.9	1.8	0.9						4.1
378 / 392															0.0
392 / 406															0.0
406 / 420															0.0
420 / 434															0.0
434 / 448															0.0
448 / 462															0.0
462															0.0
TOTAL	1.4	5.0	22.6	106.4	210.1	264.5	214.7	123.6	43.0	6.3	1.4	0.9			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
81 NECKCIRC	315.705	15.288	0.409	176.768	0.172	13.954
97 SLLSPWR	806.669	36.300	0.409	500.097	0.971	33.133

TABLE 103
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 81 (NECKCIRC) NECK CIRCUMFERENCE
98 (SLOUTSM) SLEEVE OUTSEAM

MIN / MAX	440	440 / 462	462 / 484	484 / 506	506 / 528	528 / 550	550 / 572	572 / 594	594 / 616	616 / 638	638 / 660	660 / 682	682 / 704	704 / 726	726	TOTAL
280				0.1	0.1	0.2		0.1								0.4
280 / 294			0.2	1.3	1.8	2.0	0.9	0.2	0.1							6.4
294 / 308	0.1		0.6	2.3	6.6	7.9	6.1	2.5	0.9	0.2	0.1					27.1
308 / 322		0.1	0.2	2.3	5.8	10.7	9.7	5.4	1.2	0.4	0.1					35.9
322 / 336			0.2	0.7	3.2	6.9	8.7	5.9	3.2	0.9	0.6					30.2
336 / 350			0.1	0.6	2.6	5.4	9.7	12.3	9.9	8.9	1.6	0.5				51.3
350 / 364			0.5	0.2	0.1	8.3	25.2	43.1	39.8	18.8	7.1	1.6			0.5	145.1
364 / 378				0.1	0.5	14.7	38.3	65.5	70.6	48.2	14.7	4.0				256.6
378 / 392					1.5	4.6	26.4	56.8	62.9	50.2	22.3	7.1	0.5		0.5	232.8
392 / 406						1.5	8.6	32.5	34.0	34.5	14.7	7.1	0.5			133.5
406 / 420						1.5	3.5	12.1	16.7	11.2	6.1	4.6	1.0			56.8
420 / 434						0.5	2.5	1.0	6.6	5.0	3.1	1.5				20.3
434 / 448							0.5			1.0						1.5
448 / 462									0.5		0.5					1.0
462										1.0						1.0
TOTAL	0.1	0.1	1.9	7.4	22.1	64.3	140.2	237.4	246.3	180.2	70.8	26.4	2.1		1.0	1000.0

TABLE 104
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 81 (NECKCIRC) NECK CIRCUMFERENCE
98 (SLOUTSM) SLEEVE OUTSEAM

MIN / MAX	440	462	484	506	528	550	572	594	616	638	660	682	704	726	TOTAL
280															0.0
280 294															0.0
294 308															0.0
308 322							0.6								0.6
322 336						1.1	3.4	2.3	1.7	0.6	0.6				9.6
336 350				0.6	1.7	4.5	8.5	11.8	10.1	9.6	1.7	0.6			49.0
350 364			0.6			9.0	27.6	47.4	44.0	20.9	7.9	1.7		0.6	159.5
364 378					0.6	16.3	42.3	72.7	78.4	53.6	16.3	4.5			284.7
378 392					1.7	5.1	29.3	63.1	69.9	55.8	24.8	7.9	0.6	0.6	258.7
392 406						1.7	9.6	36.1	37.8	38.3	16.3	7.9	0.6		148.3
406 420						1.7	3.9	13.5	18.6	12.4	6.8	5.1	1.1		63.1
420 434						0.6	2.8	1.1	7.3	5.6	3.4	1.7			22.5
434 448							0.6			1.1					1.7
448 462									0.6		0.6				1.1
462										1.1					1.1
TOTAL			0.6	0.6	3.9	40.0	128.0	248.6	268.3	199.0	78.4	29.3	2.3	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
81 NECKCIRC	379.569	19.686	0.237	287.429	0.153	19.122
98 SLOUTSM	601.517	30.689	0.237	460.214	0.372	29.810

TABLE 105
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 81 (NECKCIRC) NECK CIRCUMFERENCE
98 (SLOUTSM) SLEEVE OUTSEAM

MIN / MAX	440	462	484	506	528	550	572	594	616	638	660	682	704	726	TOTAL
280				0.9	0.5	1.8		0.5							3.6
280 294			2.3	12.7	17.7	20.4	8.6	2.3	0.5						64.3
294 308	0.5		6.3	22.6	66.1	78.8	61.1	24.9	8.6	1.8	0.5				271.3
308 322		0.5	2.3	23.1	58.0	106.9	97.4	48.9	12.2	3.6	0.5				353.3
322 336			2.3	6.8	31.7	59.3	56.6	38.5	16.8	3.2	0.9				216.0
336 350			0.5	0.5	10.4	13.1	20.4	16.3	7.7	2.3	0.5				71.6
350 364				1.8	1.4	2.3	3.6	4.1	2.3			0.5			15.9
364 378				0.5			2.3	0.9	0.5						4.1
378 392															0.0
392 406															0.0
406 420															0.0
420 434															0.0
434 448															0.0
448 462															0.0
462															0.0
TOTAL	0.5	0.5	13.6	68.8	185.7	282.6	250.0	136.3	48.5	10.9	2.3	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
81 NECKCIRC	315.705	15.288	0.268	241.110	0.136	14.724
98 SLOUTSM	547.184	30.254	0.268	378.628	0.534	29.139

TABLE 106
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 82 (NECKCRCB) NECK CIRCUMFERENCE, BASE
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX		742 / 781	781 / 820	820 / 859	859 / 898	898 / 937	937 / 976	976 / 1015	1015 / 1054	1054 / 1093	1093 / 1132	1132 / 1171	1171 / 1210	1210 / 1249	1249	TOTAL
310		0.1	0.1	0.3	0.1	0.1										0.7
310 / 324	0.1	0.3	1.9	2.5	2.0	0.9	0.1	0.1	0.1							8.1
324 / 338		0.3	2.0	7.1	7.9	4.5	1.7	0.5	0.1	0.1						24.1
338 / 352		0.1	1.7	6.7	9.9	9.3	5.3	1.9	0.7	0.1	0.1					35.7
352 / 366		0.5	0.9	4.4	9.0	9.8	7.0	3.4	1.1	0.5			0.1			36.6
366 / 380			1.0	5.1	13.5	20.6	12.7	6.4	3.7	1.2	0.1	0.1				64.4
380 / 394				3.1	19.8	43.4	42.4	24.9	11.7	3.4	0.7	0.1	0.5			149.8
394 / 408				1.5	11.7	42.7	79.7	62.0	36.5	15.3	2.6	0.6				252.4
408 / 422					1.0	18.8	54.8	55.3	50.2	24.9	10.2	3.5				218.8
422 / 436					0.5	2.1	13.2	34.5	34.0	21.3	16.7	6.1	1.0		0.5	129.9
436 / 450						0.5	2.1	6.6	15.8	15.8	8.1	6.1	1.5			56.3
450 / 464							0.5	2.1	3.5	5.6	2.5	2.1	1.0		0.5	17.7
464 / 478									1.0	1.0	0.5	0.5	0.5			3.5
478 / 492											0.5			0.5		1.0
492													0.5		0.5	1.0
TOTAL	0.1	1.4	7.6	30.7	75.6	152.6	219.3	197.6	158.4	89.0	41.9	18.9	5.1	0.5	1.5	1000.0

TABLE 107
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 82 (NECKCRCB) NECK CIRCUMFERENCE, BASE
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX	742	742 / 781	781 / 820	820 / 859	859 / 898	898 / 937	937 / 976	976 / 1015	1015 / 1054	1054 / 1093	1093 / 1132	1132 / 1171	1171 / 1210	1210 / 1249	1249	TOTAL
310																0.0
310 / 324																0.0
324 / 338																0.0
338 / 352			0.6	1.1	1.1											2.8
352 / 366		0.6	0.6	3.4	4.5	3.9	1.7									14.7
366 / 380			1.1	5.6	14.1	21.4	11.8	5.1	2.8	0.6						62.6
380 / 394				3.4	22.0	47.9	46.8	27.1	12.4	3.4	0.6		0.6			164.0
394 / 408				1.7	13.0	47.4	88.5	68.8	40.6	16.9	2.8	0.6				280.2
408 / 422					1.1	20.9	60.9	61.4	55.8	27.6	11.3	3.9				243.0
422 / 436					0.6	2.3	14.7	38.3	37.8	23.7	18.6	6.8	1.1		0.6	144.3
436 / 450						0.6	2.3	7.3	17.5	17.5	9.0	6.8	1.7			62.6
450 / 464							0.6	2.3	3.9	6.2	2.8	2.3	1.1		0.6	19.7
464 / 478									1.1	1.1	0.6	0.6	0.6			3.9
478 / 492											0.6			0.6		1.1
492													0.6		0.6	1.1
TOTAL		0.6	2.3	15.2	56.4	144.3	227.2	210.3	171.9	97.0	46.2	20.9	5.6	0.6	1.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
82 NECKCRCB	408.372	20.503	0.653	216.040	0.194	15.525
34 CHSTCIRC	991.372	69.059	0.653	92.560	2.201	52.290

TABLE 108
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 82 (NECKCRCB) NECK CIRCUMFERENCE, BASE
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX	742	781	820	859	898	937	976	1015	1054	1093	1132	1171	1210	1249	TOTAL
310		1.4	1.4	2.7	1.4	0.5									7.2
310 324	0.5	3.2	18.6	25.4	20.4	9.5	1.4	0.9	0.9						80.6
324 338		2.7	20.4	70.7	79.3	45.3	16.8	5.4	0.5	0.5					241.4
338 352		0.9	11.3	57.1	89.2	93.3	53.0	19.0	6.8	0.5	0.5				331.5
352 366			3.6	13.6	49.4	63.0	54.3	33.5	11.3	5.0			0.5		234.1
366 380				0.9	8.6	13.1	20.4	18.6	11.8	6.3	0.5	0.5			80.6
380 394						3.2	2.7	5.0	5.4	3.6	1.4	0.5			21.7
394 408								0.5		0.5	0.9	0.5			2.3
408 422										0.5					0.5
422 436															0.0
436 450															0.0
450 464															0.0
464 478															0.0
478 492															0.0
492															0.0
TOTAL	0.5	8.2	55.3	170.3	248.2	227.8	148.6	82.9	36.7	16.8	3.2	1.4	0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
82 NECKCRCB	346.169	16.330	0.597	206.763	0.154	13.094
34 CHSTCIRC	907.081	63.517	0.597	102.161	2.325	50.930

TABLE 109
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 82 (NECKCRCB) NECK CIRCUMFERENCE, BASE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN / MAX	691	691 / 716	716 / 741	741 / 766	766 / 791	791 / 816	816 / 841	841 / 866	866 / 891	891 / 916	916 / 941	941 / 966	966 / 991	991 / 1016	1016	TOTAL
310	0.1	0.1		0.4	0.2	0.1										0.7
310 / 324	0.1	0.2	0.8	2.2	2.4	1.6	0.8	0.1								8.1
324 / 338		0.2	0.9	4.4	6.9	6.3	3.5	1.6	0.3							24.1
338 / 352		0.1	0.6	2.8	7.2	11.1	8.9	4.4	0.5	0.1						35.7
352 / 366				1.3	3.5	8.8	8.6	8.6	4.9	0.9	0.1	0.1				36.6
366 / 380			0.6	0.7	1.8	4.2	15.5	15.5	16.9	5.1	4.1					64.4
380 / 394				0.1	0.6	6.9	26.2	36.3	45.5	23.4	9.1	1.6				149.8
394 / 408			0.5		1.0	8.6	18.3	61.5	69.6	58.9	23.8	9.1	0.5	0.5		252.4
408 / 422						2.1	11.2	34.5	65.0	52.7	38.5	13.7	1.0			218.8
422 / 436						0.5	1.5	11.7	30.0	34.5	28.9	18.3	4.0	0.5		129.9
436 / 450							0.5	4.0	13.2	14.2	12.7	6.1	4.0	1.0	0.5	56.3
450 / 464							1.0	1.5	2.1	2.5	4.6	4.0	1.5	0.5		17.7
464 / 478								0.5	0.5	0.5	0.5	1.5				3.5
478 / 492											0.5		0.5			1.0
492												0.5	0.5			1.0
TOTAL	0.1	0.5	3.3	11.6	23.5	50.3	96.1	180.3	248.3	192.9	122.9	54.9	12.1	2.5	0.5	1000.0

TABLE 110
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 82 (NECKCRC8) NECK CIRCUMFERENCE, BASE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN / MAX	691	716	741	766	791	816	841	866	891	916	941	966	991	1016	TOTAL
310															0.0
310 324															0.0
324 338															0.0
338 352						1.1	0.6	1.1							2.8
352 366				0.6		2.8	2.8	4.5	3.4	0.6					14.7
366 380			0.6	0.6	1.1	2.8	14.7	15.2	17.5	5.6	4.5				62.6
380 394					0.6	7.3	28.7	39.5	50.2	25.9	10.1	1.7			164.0
394 408			0.6		1.1	9.6	20.3	68.2	77.2	65.4	26.5	10.1	0.6	0.6	280.2
408 422						2.3	12.4	38.3	72.2	58.6	42.8	15.2	1.1		243.0
422 436						0.6	1.7	13.0	33.3	38.3	32.1	20.3	4.5	0.6	144.3
436 450							0.6	4.5	14.7	15.8	14.1	6.8	4.5	1.1	0.6 62.6
450 464							1.1	1.7	2.3	2.8	5.1	4.5	1.7	0.6	19.7
464 478								0.6	0.6	0.6	0.6	1.7			3.9
478 492											0.6		0.6		1.1
492												0.6	0.6		1.1
TOTAL			1.1	1.1	2.8	26.5	82.9	186.6	271.1	213.6	136.4	60.9	13.5	2.8	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
82 NECKCRC8	408.372	20.503	0.457	189.264	0.247	18.236
97 SLLSPWR	885.976	37.934	0.457	540.273	0.847	33.739

TABLE 111
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 82 (NECKCRCB) NECK CIRCUMFERENCE, BASE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN / MAX	691	691 / 716	716 / 741	741 / 766	766 / 791	791 / 816	816 / 841	841 / 866	866 / 891	891 / 916	916 / 941	941 / 966	966 / 991	991 / 1016	1016	TOTAL
310 / 324	0.9	1.8	7.7	21.7	23.6	15.9	7.7	1.4								80.6
324 / 338		2.3	8.6	43.9	68.8	63.4	35.3	16.3	2.7							241.4
338 / 352		0.5	5.9	27.6	72.0	101.4	83.8	34.0	5.4	0.9						331.5
352 / 366				7.2	35.3	63.0	60.7	45.3	18.6	3.2	0.5	0.5				234.1
366 / 380			0.5	1.8	7.7	16.3	23.1	18.6	11.3	0.9	0.5					80.6
380 / 394				0.5	0.5	3.6	4.1	7.2	3.6	1.4	0.5	0.5				21.7
394 / 408								0.9	1.4							2.3
408 / 422						0.5										0.5
422 / 436																0.0
436 / 450																0.0
450 / 464																0.0
464 / 478																0.0
478 / 492																0.0
492																0.0
TOTAL	1.4	5.0	22.6	106.4	210.1	264.5	214.7	123.6	43.0	6.3	1.4	0.9				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
82 NECKCRCB	346.169	16.330	0.474	174.041	0.213	14.379
97 SLLSPWR	806.669	36.300	0.474	441.665	1.054	31.964

TABLE 112
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 82 (NECKCRCB) NECK CIRCUMFERENCE, BASE
98 (SLOUTSM) SLEEVE OUTSEAM

MIN / MAX	440	462	484	506	528	550	572	594	616	638	660	682	704	726	TOTAL
310			0.1	0.1	0.2	0.3									0.7
310 324	0.1		0.4	1.3	2.5	2.3	1.0	0.5	0.1						8.1
324 338		0.1	0.5	2.6	6.1	7.7	4.8	1.7	0.6	0.1					24.1
338 352			0.3	1.8	6.2	10.1	10.6	5.0	1.7	0.2					35.7
352 366			0.1	0.9	3.1	8.6	8.0	7.8	5.6	2.6	0.2				36.6
366 380			0.1	0.7	1.4	6.8	13.1	17.2	13.9	7.7	2.6	1.0			64.4
380 394				0.1	0.7	8.3	31.0	45.3	35.8	21.9	5.6	1.0			149.8
394 408			0.5		1.0	11.2	35.2	65.5	73.5	45.2	15.8	4.0		0.5	252.4
408 422				0.1	1.0	6.1	22.3	52.3	58.9	52.3	21.8	3.5	0.5		218.8
422 436						2.5	8.6	27.9	37.0	26.4	16.7	9.6	0.5	0.5	129.9
436 450							4.0	12.1	14.2	16.7	3.5	4.6	1.0		56.3
450 464						0.5	1.5	2.1	3.1	5.0	3.1	2.5			17.7
464 478									1.5	1.0	1.0				3.5
478 492									0.5	0.5					1.0
492										0.5	0.5				1.0
TOTAL	0.1	0.1	1.9	7.4	22.1	64.3	140.2	237.4	246.3	180.2	70.8	26.4	2.1	1.0	1000.0

TABLE 113
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 82 (NECKCRCB) NECK CIRCUMFERENCE, BASE
98 (SLOUTSM) SLEEVE OUTSEAM

MIN / MAX	440	462	484	506	528	550	572	594	616	638	660	682	704	726	TOTAL
310															0.0
310 324															0.0
324 338															0.0
338 352						0.6	1.1	0.6	0.6						2.8
352 366					0.6	2.3	1.7	3.4	4.5	2.3					14.7
366 380				0.6	0.6	5.6	11.8	17.5	14.1	8.5	2.8	1.1			62.6
380 394					0.6	9.0	33.8	49.6	39.5	24.2	6.2	1.1			164.0
394 408			0.6		1.1	12.4	38.9	72.7	81.7	50.2	17.5	4.5		0.6	280.2
408 422					1.1	6.8	24.8	58.1	65.4	58.1	24.2	3.9	0.6		243.0
422 436						2.8	9.6	31.0	41.1	29.3	18.6	10.7	0.6	0.6	144.3
436 450							4.5	13.5	15.8	18.6	3.9	5.1	1.1		62.6
450 464						0.6	1.7	2.3	3.4	5.6	3.4	2.8			19.7
464 478									1.7	1.1	1.1				3.9
478 492									0.6	0.6					1.1
492										0.6	0.6				1.1
TOTAL			0.6	0.6	3.9	40.0	128.0	248.6	268.3	199.0	78.4	29.3	2.3	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
82 NECKCRCB	408.372	20.503	0.268	299.882	0.180	19.747
98 SLOUTSM	601.517	30.689	0.268	436.497	0.404	29.558

TABLE 114
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 82 (NECKCRCB) NECK CIRCUMFERENCE, BASE
98 (SLOUTSM) SLEEVE OUTSEAM

MIN / MAX	440	440 / 462	462 / 484	484 / 506	506 / 528	528 / 550	550 / 572	572 / 594	594 / 616	616 / 638	638 / 660	660 / 682	682 / 704	704 / 726	726	TOTAL
310			0.9	1.4	2.3	2.7										7.2
310 / 324	0.5		3.6	12.7	24.9	23.1	10.4	5.0	0.5							80.6
324 / 338		0.5	4.5	25.8	60.7	77.0	48.0	17.2	6.3	1.4						241.4
338 / 352			3.2	17.7	62.0	95.1	95.6	44.4	11.3	2.3						331.5
352 / 366			0.5	8.6	25.8	64.8	64.3	47.1	15.9	5.4	1.8					234.1
366 / 380			0.9	1.4	8.2	17.7	24.5	14.9	11.8	0.9	0.5					80.6
380 / 394				0.9	1.8	2.3	5.9	6.8	2.7	0.9		0.5				21.7
394 / 408							1.4	0.9								2.3
408 / 422				0.5												0.5
422 / 436																0.0
436 / 450																0.0
450 / 464																0.0
464 / 478																0.0
478 / 492																0.0
492																0.0
TOTAL	0.5	0.5	13.6	68.8	185.7	282.6	250.0	136.3	48.5	10.9	2.3	0.5				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
82 NECKCRCB	346.169	16.330	0.346	243.761	0.187	15.320
98 SLOUTSM	547.184	30.254	0.346	324.801	0.642	28.383

TABLE 115
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 86 (OVHDFRHS) OVERHEAD FINGERTIP REACH, SITTING
94 (SITTHGHT) SITTING HEIGHT

MIN / MAX	766	766 / 785	785 / 804	804 / 823	823 / 842	842 / 861	861 / 880	880 / 899	899 / 918	918 / 937	937 / 956	956 / 975	975 / 994	994 / 1013	1013	TOTAL
1164	0.1	0.1	0.1		0.6											0.9
1164 / 1202	0.1	0.3	0.3	0.3	0.1											0.9
1202 / 1240	0.2	0.7	1.4	1.4	0.8	0.3	0.1									4.8
1240 / 1278	0.2	0.6	1.5	4.4	5.1	3.0	2.3	0.1								17.2
1278 / 1316		0.3	1.8	5.4	10.9	8.0	7.3	4.6	0.3							38.5
1316 / 1354		0.1	0.6	4.6	7.7	18.6	23.3	11.9	11.4	2.2	1.0					81.4
1354 / 1392			0.1	1.3	7.3	13.6	37.7	42.5	34.9	13.2	2.6	0.1				153.2
1392 / 1430				1.1	3.6	10.8	31.9	47.7	63.1	45.2	17.1	5.0				225.4
1430 / 1468					0.5	3.2	10.0	40.5	53.9	63.4	39.2	17.8	3.5			232.1
1468 / 1506						0.5	3.1	10.4	23.5	31.1	39.6	25.9	8.1	1.0		143.1
1506 / 1544							0.5	1.5	5.1	15.2	21.3	19.3	10.6	2.1		75.7
1544 / 1582								0.5	1.0	3.1	5.6	5.6	3.5	2.5	1.0	22.9
1582 / 1620										0.5	1.5	1.0			0.5	3.5
1620 / 1658																0.0
1658															0.5	0.5
TOTAL	0.5	2.1	5.8	18.3	36.5	57.8	116.1	159.6	193.3	173.7	128.0	74.8	25.8	5.6	2.1	1000.0

TABLE 116
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 86 (OVHDFRHS) OVERHEAD FINGERTIP REACH, SITTING
94 (SITTHGHT) SITTING HEIGHT

MIN / MAX	766	766 / 785	785 / 804	804 / 823	823 / 842	842 / 861	861 / 880	880 / 899	899 / 918	918 / 937	937 / 956	956 / 975	975 / 994	994 / 1013	1013	TOTAL
1164					0.6											0.6
1164 / 1202																0.0
1202 / 1240																0.0
1240 / 1278				1.1	1.1	0.6	1.7									4.5
1278 / 1316				1.7	3.9	2.3	3.9	3.9								15.8
1316 / 1354				1.7	3.4	14.1	19.2	9.0	11.8	2.3	1.1					62.6
1354 / 1392				0.6	5.6	11.3	35.5	42.3	36.6	14.1	2.8					148.8
1392 / 1430				1.1	3.4	10.7	33.3	50.2	68.2	49.0	18.6	5.6				240.1
1430 / 1468					0.6	3.4	10.7	44.5	59.2	69.9	43.4	19.7	3.9			255.4
1468 / 1506						0.6	3.4	11.3	25.9	34.4	44.0	28.7	9.0	1.1		158.4
1506 / 1544							0.6	1.7	5.6	16.9	23.7	21.4	11.8	2.3		84.0
1544 / 1582								0.6	1.1	3.4	6.2	6.2	3.9	2.8	1.1	25.4
1582 / 1620										0.6	1.7	1.1			0.6	3.9
1620 / 1658																0.0
1658															0.6	0.6
TOTAL				6.2	18.6	42.8	108.2	163.5	208.6	190.5	141.5	82.9	28.7	6.2	2.3	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
86 OVHDFRHS	1433.798	59.009	0.678	406.474	1.124	43.400
94 SITTHGHT	913.925	35.579	0.678	327.991	0.409	26.168

TABLE 117
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 86 (OVHDFTHS) OVERNEAD FINGERTIP REACH, SITTING
94 (SITTNGHT) SITTING HEIGHT

MIN / MAX	766	785	804	823	842	861	880	899	918	937	956	975	994	1013	TOTAL
1164	0.5	0.9	0.9		0.9										3.2
1164 / 1202	0.9	2.7	2.7	2.7	0.5										9.5
1202 / 1240	1.8	7.2	14.0	13.6	7.7	2.7	1.4								48.5
1240 / 1278	1.8	6.3	15.4	34.0	40.8	24.9	7.2	1.4							131.8
1278 / 1316		2.7	17.7	38.5	73.4	58.9	37.6	10.4	3.2						242.3
1316 / 1354		0.9	6.3	30.3	46.2	59.3	60.2	38.5	7.7	0.9					250.5
1354 / 1392			0.9	7.2	22.6	34.4	57.5	43.9	19.5	5.0	0.9	0.5			192.5
1392 / 1430				0.9	5.4	11.3	19.5	24.9	16.8	10.9	3.6				93.3
1430 / 1468						1.4	4.1	4.1	6.3	4.5	1.4	0.5			22.2
1468 / 1506								1.8	1.8	1.4	0.5	0.5			5.9
1506 / 1544									0.5						0.5
1544 / 1582															0.0
1582 / 1620															0.0
1620 / 1658															0.0
1658															0.0
TOTAL	5.0	20.8	58.0	127.3	197.5	192.9	187.5	125.0	55.7	22.6	6.3	1.4			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
86 OVHDFRHS	1326.510	55.904	0.663	422.417	1.061	41.884
94 SITTNGHT	851.957	34.902	0.663	303.273	0.414	26.149

TABLE 118
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 91 (SHOUCIRC) SHOULDER CIRCUMFERENCE
100 (STATURE) STATURE

MIN / MAX	1468	1468 / 1509	1509 / 1550	1550 / 1591	1591 / 1632	1632 / 1673	1673 / 1714	1714 / 1755	1755 / 1796	1796 / 1837	1837 / 1878	1878 / 1919	1919 / 1960	1960 / 2001	2001	TOTAL
896		0.1	0.1													0.2
896 / 934	0.1	0.2	0.6	0.9	0.3	0.4	0.1									2.5
934 / 972	0.1	0.5	1.9	4.1	2.6	1.6	0.8	0.3								11.9
972 / 1010	0.1	0.6	2.2	5.6	9.3	7.1	2.5	1.6	0.4	0.1						29.4
1010 / 1048	0.1	0.5	1.5	4.8	8.0	10.1	8.5	5.9	0.4	0.1						39.9
1048 / 1086	0.1	0.6	0.5	4.1	10.6	11.9	14.9	9.7	6.0	4.7						63.0
1086 / 1124		0.1	0.3	1.9	7.9	17.5	35.7	29.8	23.6	8.2	5.1	1.0				131.2
1124 / 1162				1.7	4.3	19.1	35.7	50.2	49.5	26.4	10.6	2.5				200.1
1162 / 1200				0.1	3.7	13.9	36.3	53.0	57.4	36.0	16.7	6.1	1.0		0.5	224.8
1200 / 1238					0.5	10.2	21.8	38.5	44.1	30.0	17.3	4.0	1.5		0.5	168.5
1238 / 1276				0.5	0.5	1.5	5.6	11.2	18.8	25.4	14.2	4.0	1.0			82.8
1276 / 1314							2.1	5.6	6.1	8.6	7.1	2.1	1.5			32.9
1314 / 1352							1.0	1.0	2.1	2.5	2.1	1.5	0.5			10.6
1352 / 1390								0.5			0.5					1.0
1390										1.0						1.0
TOTAL	0.5	2.7	7.2	23.6	47.5	93.3	165.1	207.4	208.3	143.0	73.6	21.3	5.6		1.0	1000.0

TABLE 119
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 91 (SHOUCIRC) SHOULDER CIRCUMFERENCE
100 (STATURE) STATURE

MIN / MAX	1468	1468 / 1509	1509 / 1550	1550 / 1591	1591 / 1632	1632 / 1673	1673 / 1714	1714 / 1755	1755 / 1796	1796 / 1837	1837 / 1878	1878 / 1919	1919 / 1960	1960 / 2001	2001	TOTAL
896																0.0
896 / 934																0.0
934 / 972				0.6												0.6
972 / 1010					2.3	1.7		0.6								4.5
1010 / 1048					0.6	2.8	4.5	4.5								12.4
1048 / 1086		0.6		1.7	6.8	7.9	11.8	9.0	6.2	5.1						49.0
1086 / 1124				1.1	6.8	16.9	37.8	32.1	25.4	9.0	5.6	1.1				135.9
1124 / 1162				1.7	4.5	20.3	38.9	55.2	54.7	29.3	11.8	2.8				219.3
1162 / 1200					3.9	15.2	40.0	58.6	63.7	40.0	18.6	6.8	1.1		0.6	248.6
1200 / 1238					0.6	11.3	24.2	42.8	49.0	33.3	19.2	4.5	1.7		0.6	187.1
1238 / 1276				0.6	0.6	1.7	6.2	12.4	20.9	28.2	15.8	4.5	1.1			91.9
1276 / 1314							2.3	6.2	6.8	9.6	7.9	2.3	1.7			36.6
1314 / 1352							1.1	1.1	2.3	2.8	2.3	1.7	0.6			11.8
1352 / 1390								0.6			0.6					1.1
1390										1.1						1.1
TOTAL		0.6		5.6	25.9	77.8	166.9	223.2	228.9	158.4	81.7	23.7	6.2		1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
91 SHOUCIRC	1175.178	60.391	0.399	541.238	0.361	55.380
100 STATURE	1755.808	66.807	0.399	1236.553	0.442	61.264

TABLE 120
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 91 (SHOUCIRC) SHOULDER CIRCUMFERENCE
100 (STATURE) STATURE

MIN / MAX	1468	1509	1550	1591	1632	1673	1714	1755	1796	1837	1878	1919	1960	2001	TOTAL
896		0.9	0.9												1.8
896 / 934	1.4	1.8	6.3	8.6	3.2	3.6	0.5								25.4
934 / 972	1.4	5.4	18.6	35.8	25.8	16.3	8.2	2.7							114.1
972 / 1010	0.9	5.9	22.2	56.2	72.0	55.7	25.4	10.9	3.6	0.5					253.2
1010 / 1048	0.5	5.4	15.4	48.0	74.3	76.1	44.8	18.6	4.1	0.5					287.6
1048 / 1086	0.5	0.9	5.4	25.4	44.4	48.0	42.6	16.3	4.5	1.4					189.3
1086 / 1124		1.4	2.7	9.1	17.7	22.6	16.8	9.5	7.7	0.9	0.5				88.8
1124 / 1162				1.8	2.7	8.2	6.8	5.4	2.3	0.5					27.6
1162 / 1200				0.9	1.8	2.3	2.7	2.3	0.5	0.5					10.9
1200 / 1238						0.5	0.5								0.9
1238 / 1276							0.5								0.5
1276 / 1314															0.0
1314 / 1352															0.0
1352 / 1390															0.0
1390															0.0
TOTAL	4.5	21.7	71.6	185.7	241.8	233.2	148.6	65.7	22.6	4.1	0.5				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
91 SHOUCIRC	1026.883	52.168	0.376	523.530	0.309	48.338
100 STATURE	1629.372	63.604	0.376	1157.824	0.459	58.933

TABLE 121
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 94 (SITTHGHT) SITTING HEIGHT
39 (CRCHHGHT) CROTCH HEIGHT

MIN MAX	622 622	622 654	654 686	686 718	718 750	750 782	782 814	814 846	846 878	878 910	910 942	942 974	974 1006	1006 1038	1038	TOTAL
766			0.1	0.1	0.1	0.1	0.1									0.5
766 785			0.3	0.4	0.8	0.6	0.1									2.1
785 804		0.1	0.3	0.9	1.6	1.7	0.7	0.5								5.8
804 823		0.1	0.5	1.7	2.5	6.5	4.1	1.8	1.2	0.1						18.3
823 842	0.1		1.0	2.2	6.2	7.9	8.8	7.3	2.4	0.1	0.5					36.5
842 861			0.4	2.8	6.3	12.2	14.7	11.9	5.6	1.7	2.1					57.8
861 880		0.1	0.1	1.4	10.2	19.6	29.7	27.6	16.0	7.9	3.1	0.5				116.1
880 899			0.1	1.4	5.7	24.9	42.2	37.3	27.9	14.4	4.6	1.0				159.6
899 918			0.1	1.6	3.4	17.0	48.8	59.1	34.5	19.9	8.1	1.0				193.3
918 937					1.6	13.6	32.2	51.5	44.9	17.8	10.2	1.5	0.5			173.7
937 956					0.5	4.2	13.8	43.9	30.5	23.9	9.1	1.0	0.5		0.5	128.0
956 975						0.1	7.1	17.7	27.9	13.3	6.1	2.1	0.5			74.8
975 994							1.5	6.1	8.6	7.1	2.5					25.8
994 1013								1.0	1.5	1.5	1.0	0.5				5.6
1013										0.5	0.5	0.5		0.5		2.1
TOTAL	0.1	0.2	2.7	12.6	38.8	108.2	203.8	265.6	201.1	108.1	47.8	8.1	1.5	0.5	0.5	1000.0

TABLE 122
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 94 (SITTHGHT) SITTING HEIGHT
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
766															0.0
766 785															0.0
785 804															0.0
804 823						2.3	1.7	1.1	1.1						6.2
823 842			0.6		1.1	2.3	5.6	6.2	2.3		0.6				18.6
842 861				1.1	1.7	7.9	11.8	10.7	5.6	1.7	2.3				42.8
861 880				0.6	6.8	15.8	27.6	28.2	16.9	8.5	3.4	0.6			108.2
880 899				1.1	4.5	23.1	42.8	39.5	30.4	15.8	5.1	1.1			163.5
899 918				1.7	3.4	17.5	51.9	64.3	37.8	22.0	9.0	1.1			208.6
918 937					1.7	14.7	34.9	56.4	49.6	19.7	11.3	1.7	0.6		190.5
937 956					0.6	4.5	15.2	48.5	33.8	26.5	10.1	1.1	0.6	0.6	141.5
956 975							7.9	19.7	31.0	14.7	6.8	2.3	0.6		82.9
975 994							1.7	6.8	9.6	7.9	2.8				28.7
994 1013								1.1	1.7	1.7	1.1	0.6			6.2
1013										0.6	0.6	0.6		0.6	2.3
TOTAL			0.6	4.5	19.7	87.9	201.2	282.4	219.8	118.9	53.0	9.0	1.7	0.6	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
94 SITTHGHT	913.925	35.579	0.346	690.735	0.267	33.384
39 CRCHHGHT	873.191	46.248	0.346	425.515	0.450	43.395

TABLE 123
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 94 (SITTHGHT) SITTING HEIGHT
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
766			0.5	1.4	1.4	1.4	0.5								5.0
766 / 785			2.7	4.1	7.7	5.9	0.5								20.8
785 / 804		1.4	3.2	9.1	15.9	16.8	7.2	4.5							58.0
804 / 823		0.5	5.0	16.8	24.5	43.9	25.8	8.2	2.3	0.5					127.3
823 / 842	0.5		4.1	21.7	52.5	58.4	37.6	17.7	3.6	1.4					197.5
842 / 861			4.1	18.6	47.6	51.2	41.2	23.1	5.4	1.8					192.9
861 / 880		0.5	0.9	8.6	41.2	54.3	48.5	22.2	8.2	2.3	0.9				187.5
880 / 899			0.5	4.5	16.3	41.2	36.7	17.7	5.4	2.3		0.5			125.0
899 / 918			0.9	0.9	3.2	12.2	20.4	11.8	4.5	1.4	0.5				55.7
918 / 937					0.9	3.6	7.7	7.2	2.7	0.5					22.6
937 / 956						1.8	1.4	2.3	0.5	0.5					6.3
956 / 975						0.5			0.5	0.5					1.4
975 / 994															0.0
994 / 1013															0.0
1013															0.0
TOTAL	0.5	2.3	21.7	85.6	211.1	291.2	227.4	114.6	33.1	10.9	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
94 SITTHGHT	851.957	34.902	0.329	650.759	0.261	32.956
39 CRCHHGHT	771.351	44.143	0.329	415.888	0.417	41.681

TABLE 124
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 99 (SPAN) SPAN
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	622 / 654	654 / 686	686 / 718	718 / 750	750 / 782	782 / 814	814 / 846	846 / 878	878 / 910	910 / 942	942 / 974	974 / 1006	1006 / 1038	1038	TOTAL
1406	0.1															0.1
1406 / 1460		0.1	0.2	0.1												0.4
1460 / 1514		0.1	1.5	0.5	0.1											2.0
1514 / 1568			0.8	4.2	3.1	0.3	0.1									8.4
1568 / 1622		0.1	0.3	3.6	11.9	5.0	0.2									20.9
1622 / 1676				3.8	13.6	24.7	6.7	0.2								49.1
1676 / 1730				0.6	7.7	38.3	50.2	10.1	1.5							108.3
1730 / 1784					2.1	30.7	86.5	61.8	13.0	0.1						194.2
1784 / 1838					0.5	7.7	48.1	118.5	58.4	10.0	0.5					243.7
1838 / 1892						1.5	12.2	60.8	81.9	28.9	5.7	0.5				191.4
1892 / 1946								14.2	38.2	47.4	14.2	1.5				115.6
1946 / 2000									8.1	19.3	21.8	3.1				52.4
2000 / 2054										1.5	4.6	3.1	1.0			10.2
2054 / 2108										1.0	1.0		0.5			2.5
2108														0.5	0.5	1.0
TOTAL	0.1	0.2	2.7	12.6	38.8	108.2	203.8	265.6	201.1	108.1	47.8	8.1	1.5	0.5	0.5	1000.0

TABLE 125
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 99 (SPAN) SPAN
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
1406															0.0
1406 1460															0.0
1460 1514			0.6												0.6
1514 1568					0.6										0.6
1568 1622				0.6	2.3	0.6									3.4
1622 1676				3.4	7.3	12.4	2.8								25.9
1676 1730				0.6	6.8	32.7	44.5	8.5	1.7						94.7
1730 1784					2.3	32.1	88.5	63.1	13.5						199.5
1784 1838					0.6	8.5	51.9	128.0	63.1	10.7	0.6				263.2
1838 1892						1.7	13.5	67.1	90.2	31.6	6.2	0.6			210.8
1892 1946								15.8	42.3	52.4	15.8	1.7			128.0
1946 2000									9.0	21.4	24.2	3.4			58.1
2000 2054										1.7	5.1	3.4	1.1		11.3
2054 2108										1.1	1.1		0.6		2.8
2108														0.6	0.6 1.1
TOTAL			0.6	4.5	19.7	87.9	201.2	282.4	219.8	118.9	53.0	9.0	1.7	0.6	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
99 SPAN	1823.060	81.972	0.840	577.278	1.488	44.547
39 CRCHHGHT	837.191	46.248	0.840	-26.330	0.474	25.133

TABLE 126
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 99 (SPAN) SPAN
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
1406 / 622	0.5														0.5
1406 / 1460		1.4	1.8	0.5											3.6
1460 / 1514		0.5	9.1	5.0	0.5										14.9
1514 / 1568			8.2	41.7	25.4	2.7	0.5								78.4
1568 / 1622		0.5	2.7	30.3	98.3	44.4	1.8								178.0
1622 / 1676				7.7	70.7	135.9	41.7	2.3							258.2
1676 / 1730				0.5	15.9	88.8	101.0	24.5							230.5
1730 / 1784					0.5	18.6	68.4	50.3	8.6	0.5					146.7
1784 / 1838						0.9	13.6	33.5	16.3	4.1					68.4
1838 / 1892							0.5	4.1	6.8	4.1	0.9				16.3
1892 / 1946									1.4	2.3					3.6
1946 / 2000											0.5	0.5			0.9
2000 / 2054															0.0
2054 / 2108															0.0
2108															0.0
TOTAL	0.5	2.3	21.7	85.6	211.1	291.2	227.4	114.6	33.1	10.9	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
99 SPAN	1671.898	81.283	0.870	436.322	1.602	40.098
39 CRCHHGHT	771.351	44.143	0.870	-18.501	0.472	21.776

TABLE 127
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 99 (SPAN) SPAN
94 (SITTHGHT) SITTING HEIGHT

MIN / MAX		766 / 785	785 / 804	804 / 823	823 / 842	842 / 861	861 / 880	880 / 899	899 / 918	918 / 937	937 / 956	956 / 975	975 / 994	994 / 1013	1013	TOTAL
1406					0.1											0.1
1406 / 1460	0.1	0.1	0.2	0.1		0.1										0.4
1460 / 1514	0.1	0.4	0.3	0.3	0.9	0.1	0.1	0.1								2.0
1514 / 1568	0.1	0.3	0.9	1.8	1.8	1.8	1.5	0.2	0.1							8.4
1568 / 1622	0.1	0.6	1.1	2.4	5.0	3.9	5.4	2.1	0.3	0.1						20.9
1622 / 1676	0.1	0.4	1.6	4.5	6.9	8.5	10.3	7.6	7.8	1.2	0.1	0.1				49.1
1676 / 1730	0.1	0.3	1.2	4.5	8.2	11.7	20.5	24.3	19.5	12.5	3.4	2.1				108.3
1730 / 1784			0.5	2.3	5.5	13.7	28.2	40.6	45.8	35.1	16.9	5.0	0.5			194.2
1784 / 1838			0.1	1.5	4.5	9.0	25.2	36.6	59.2	51.8	36.6	13.7	4.6	1.0		243.7
1838 / 1892				0.5	3.7	5.4	16.4	30.2	26.4	39.6	33.5	26.4	8.6	0.5		191.4
1892 / 1946				0.5	0.1	3.1	6.6	12.3	23.4	18.8	21.8	18.8	7.1	2.1	1.0	115.6
1946 / 2000						0.5	1.5	4.1	9.7	12.7	11.2	6.1	5.0	1.5		52.4
2000 / 2054							0.5	1.5	0.5	1.5	3.5	1.5		0.5	0.5	10.2
2054 / 2108									0.5	0.5	0.5	1.0				2.5
2108											0.5				0.5	1.0
TOTAL	0.5	2.1	5.8	18.3	36.5	57.8	116.1	159.6	193.3	173.7	128.0	74.8	25.8	5.6	2.1	1000.0

TABLE 128
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 99 (SPAN) SPAN
94 (SITTHGHT) SITTING HEIGHT

MIN / MAX	766	785	804	823	842	861	880	899	918	937	956	975	994	1013	TOTAL
1406															0.0
1406 1460															0.0
1460 1514					0.6										0.6
1514 1568							0.6								0.6
1568 1622					0.6		2.3	0.6							3.4
1622 1676				1.1	1.7	3.4	6.2	5.1	7.3	1.1					25.9
1676 1730				2.3	4.5	9.0	17.5	22.5	20.3	13.0	3.4	2.3			94.7
1730 1784				0.6	3.4	12.4	28.2	42.8	49.0	38.3	18.6	5.6	0.6		199.5
1784 1838				1.1	3.9	8.5	26.5	39.5	64.8	56.9	40.6	15.2	5.1	1.1	263.2
1838 1892				0.6	3.9	5.6	17.5	33.3	29.3	44.0	37.2	29.3	9.6	0.6	210.8
1892 1946				0.6		3.4	7.3	13.5	25.9	20.9	24.2	20.9	7.9	2.3	1.1 128.0
1946 2000						0.6	1.7	4.5	10.7	14.1	12.4	6.8	5.6	1.7	58.1
2000 2054							0.6	1.7	0.6	1.7	3.9	1.7		0.6	0.6 11.3
2054 2108									0.6	0.6	0.6	1.1			2.8
2108											0.6			0.6	1.1
TOTAL				6.2	18.6	42.8	108.2	163.5	208.6	190.5	141.5	82.9	28.7	6.2	2.3 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
99 SPAN	1823.060	81.972	0.398	985.630	0.916	75.232
94 SITTHGHT	913.925	35.579	0.398	599.223	0.173	32.654

TABLE 129
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 99 (SPAN) SPAN
94 (SITTHGHT) SITTING HEIGHT

MIN / MAX	766	785	804	823	842	861	880	899	918	937	956	975	994	1013	TOTAL
1406					0.5										0.5
1406 / 1460	0.5	0.5	1.8	0.5		0.5									3.6
1460 / 1514	0.5	3.6	2.7	2.7	3.2	1.4	0.5	0.5							14.9
1514 / 1568	0.9	3.2	9.1	18.1	17.7	17.7	9.5	1.8	0.5						78.4
1568 / 1622	1.4	6.3	10.9	24.0	44.4	38.9	33.1	15.9	2.7	0.5					178.0
1622 / 1676	1.4	4.1	16.3	35.3	53.9	54.8	47.6	30.3	11.8	1.8	0.5	0.5			258.2
1676 / 1730	0.5	3.2	12.2	24.5	41.7	36.2	48.0	40.3	12.7	7.7	3.6				230.5
1730 / 1784			4.5	17.2	24.0	25.8	28.5	21.3	17.2	6.8	1.4				146.7
1784 / 1838			0.5	5.0	9.5	14.0	13.1	10.9	9.1	5.4	0.5	0.5			68.4
1838 / 1892					2.3	3.6	6.8	2.3		0.5	0.5	0.5			16.3
1892 / 1946					0.5		0.5	1.4	1.4						3.6
1946 / 2000								0.5	0.5						0.9
2000 / 2054															0.0
2054 / 2108															0.0
2108															0.0
TOTAL	5.0	20.8	58.0	127.3	197.5	192.9	187.5	125.0	55.7	22.6	6.3	1.4			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
99 SPAN	1671.898	81.283	0.336	1004.397	0.783	76.562
94 SITTHGHT	851.957	34.902	0.336	610.435	0.144	32.875

TABLE 130
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
107 (THMBTPR) THUMBTIP REACH

MIN / MAX	623	649	675	701	727	753	779	805	831	857	883	909	935	961	TOTAL
1468	0.1	0.2	0.2	0.1											0.5
1468 / 1509		0.2	1.6	0.8	0.2										2.7
1509 / 1550		0.2	1.0	3.7	1.6	0.5	0.1								7.2
1550 / 1591			1.5	6.1	9.9	5.1	1.2								23.6
1591 / 1632			1.0	3.8	15.8	19.8	6.9	0.4							47.5
1632 / 1673				1.4	8.0	38.4	31.4	10.9	3.2						93.3
1673 / 1714					2.8	30.4	63.4	53.8	12.2	2.5					165.1
1714 / 1755					0.1	17.8	52.2	79.2	44.3	12.3	1.5				207.4
1755 / 1796						1.7	24.5	63.0	76.8	35.2	6.6	0.5			208.3
1796 / 1837						0.5	5.7	25.8	55.0	37.6	15.8	1.6	1.0		143.0
1837 / 1878								3.1	18.3	30.5	13.2	8.1	0.5		73.6
1878 / 1919									3.1	7.1	6.1	4.6	0.5		21.3
1919 / 1960											2.5	2.5	0.5		5.6
1960 / 2001															0.0
2001													0.5	0.5	1.0
TOTAL	0.1	0.5	5.2	15.7	38.4	114.1	185.3	236.4	212.6	125.3	45.6	17.4	2.5	0.5	0.5 1000.0

TABLE 131
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
107 (THMBTPR) THUMBTIP REACH

MIN / MAX	623	649	675	701	727	753	779	805	831	857	883	909	935	961	TOTAL
1468															0.0
1468 / 1509			0.6												0.6
1509 / 1550															0.0
1550 / 1591			0.6	0.6	2.3	1.7	0.6								5.6
1591 / 1632			0.6	0.6	7.9	13.0	3.9								25.9
1632 / 1673				0.6	2.8	33.3	27.6	10.1	3.4						77.8
1673 / 1714					1.7	29.3	64.3	56.4	12.4	2.8					166.9
1714 / 1755						18.6	55.2	85.7	48.5	13.5	1.7				223.2
1755 / 1796						1.7	26.5	69.3	84.6	38.9	7.3	0.6			228.9
1796 / 1837						0.6	6.2	28.7	60.9	41.7	17.5	1.7	1.1		158.4
1837 / 1878								3.4	20.3	33.8	14.7	9.0	0.6		81.7
1878 / 1919									3.4	7.9	6.8	5.1	0.6		23.7
1919 / 1960											2.8	2.8	0.6		6.2
1960 / 2001															0.0
2001													0.6	0.6	1.1
TOTAL			1.7	1.7	14.7	98.1	184.3	253.7	233.4	138.7	50.7	19.2	2.8	0.6	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.773	700.029	1.318	42.400
107 THMBTPR	800.846	39.169	0.773	5.152	0.453	24.859

TABLE 132
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
107 (THMBTPR) THUMBTIP REACH

MIN / MAX	623	649	675	701	727	753	779	805	831	857	883	909	935	961	TOTAL
1468	0.5	1.8	1.8	0.5											4.5
1468 / 1509		1.8	10.4	7.7	1.8										21.7
1509 / 1550		1.8	10.4	36.7	16.3	5.0	1.4								71.6
1550 / 1591			10.0	55.7	77.9	35.3	6.8								185.7
1591 / 1632			4.5	32.2	87.0	80.6	33.5	4.1							241.8
1632 / 1673				8.6	54.8	84.2	65.7	18.6	1.4						233.2
1673 / 1714					12.2	40.8	54.8	30.8	10.0						148.6
1714 / 1755					1.4	10.4	25.4	20.8	6.3	1.4					65.7
1755 / 1796						1.4	6.3	6.3	6.8	1.8					22.6
1796 / 1837							0.9		1.4	0.9		0.9			4.1
1837 / 1878										0.5					0.5
1878 / 1919															0.0
1919 / 1960															0.0
1960 / 2001															0.0
2001															0.0
TOTAL	0.5	5.4	37.1	141.3	251.4	257.7	194.7	80.6	25.8	4.5		0.9			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.752	665.617	1.312	41.946
107 THMBTPR	734.614	36.451	0.752	32.553	0.431	55.905

TABLE 133
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
111 (WSTBLNI) WAIST BACK LENGTH, NATURAL INDENTATION

MIN / MAX	290	290 / 305	305 / 320	320 / 335	335 / 350	350 / 365	365 / 380	380 / 395	395 / 410	410 / 425	425 / 440	440 / 455	455 / 470	470 / 485	485	TOTAL
1468	0.1		0.1		0.2	0.1	0.1									0.5
1468 / 1509		0.1	0.4	0.7	0.4	0.5	0.6		0.1							2.7
1509 / 1550	0.1		0.7	1.5	1.4	1.6	1.2	0.5	0.1							7.2
1550 / 1591		0.1	0.5	2.8	5.6	6.4	4.9	2.2	0.9	0.3	0.1					23.6
1591 / 1632			0.3	1.9	4.7	9.1	11.0	13.4	5.1	1.4	0.7					47.5
1632 / 1673		0.1	0.1	0.9	3.5	10.3	22.2	25.5	20.6	8.7	1.3	0.1				93.3
1673 / 1714			0.1	0.2	1.0	9.3	15.7	46.5	46.2	29.2	14.8	2.2				165.1
1714 / 1755				0.1	0.1	4.0	14.1	31.0	71.2	54.4	24.0	7.7	1.0			207.4
1755 / 1796					0.1	1.8	5.4	25.3	45.6	59.3	57.5	11.2	2.1			208.3
1796 / 1837							1.0	9.2	28.1	36.1	35.0	23.3	8.1	2.1		143.0
1837 / 1878								2.5	10.6	15.2	20.8	15.8	6.6	2.1		73.6
1878 / 1919									0.5	4.6	4.6	6.1	4.0	1.0	0.5	21.3
1919 / 1960									0.5		1.5	2.1	1.0	0.5		5.6
1960 / 2001																0.0
2001											0.5	0.5				1.0
TOTAL	0.1	0.2	2.1	8.1	16.8	43.1	76.1	156.3	229.4	209.1	160.8	68.8	22.9	5.6	0.5	1000.0

TABLE 134
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
111 (WST8LNI) WAIST BACK LENGTH, NATURAL INDENTATION

MIN / MAX	290	305	320	335	350	365	380	395	410	425	440	455	470	485	TOTAL
	290	305	320	335	350	365	380	395	410	425	440	455	470	485	
1468															0.0
1468 1509							0.6								0.6
1509 1550															0.0
1550 1591					1.1	1.7	2.3	0.6							5.6
1591 1632					0.6	2.3	6.8	10.7	3.9	1.1	0.6				25.9
1632 1673					0.6	5.6	17.5	23.1	20.9	9.0	1.1				77.8
1673 1714						6.8	13.5	47.9	48.5	31.6	16.3	2.3			166.9
1714 1755						3.4	14.1	32.7	77.2	59.8	26.5	8.5	1.1		223.2
1755 1796						1.7	5.6	27.6	50.2	65.4	63.7	12.4	2.3		228.9
1796 1837							1.1	10.1	31.0	40.0	38.9	25.9	9.0	2.3	158.4
1837 1878								2.8	11.8	16.9	23.1	17.5	7.3	2.3	81.7
1878 1919									0.6	5.1	5.1	6.8	4.5	1.1	0.6 23.7
1919 1960									0.6		1.7	2.3	1.1	0.6	6.2
1960 2001															0.0
2001											0.6	0.6			1.1
TOTAL				2.3	21.4	61.4	155.6	244.6	228.9	177.6	76.1	25.4	6.2	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.593	1051.888	1.709	53.767
111 WSTBLNI	411.995	23.220	0.593	49.596	0.206	18.688

TABLE 135
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
111 (WSTBLNI) WAIST BACK LENGTH, NATURAL INDENTATION

MIN / MAX	290	290 / 305	305 / 320	320 / 335	335 / 350	350 / 365	365 / 380	380 / 395	395 / 410	410 / 425	425 / 440	440 / 455	455 / 470	470 / 485	485	TOTAL
1468 / 1509	0.5		0.5		1.8	1.4	0.5									4.5
1468 / 1509		0.5	3.6	7.2	4.1	5.0	0.9		0.5							21.7
1509 / 1550	0.5		6.8	15.4	14.0	15.9	12.2	5.4	1.4							71.6
1550 / 1591		1.4	5.4	28.1	45.7	48.5	28.1	16.3	8.6	3.2	0.5					185.7
1591 / 1632			2.7	19.0	41.2	70.7	48.9	38.0	15.9	4.1	1.4					241.8
1632 / 1673		0.5	1.4	8.6	29.4	53.0	64.3	47.6	18.1	5.9	3.2	1.4				233.2
1673 / 1714			0.5	1.8	10.0	32.2	35.8	33.5	25.4	7.2	1.4	0.9				148.6
1714 / 1755				0.9	0.5	9.5	14.0	15.4	16.8	5.9	1.8	0.9				65.7
1755 / 1796					0.9	2.7	3.6	5.0	4.5	4.1	1.8					22.6
1796 / 1837							0.5	0.9	1.8	0.9						4.1
1837 / 1878														0.5		0.5
1878 / 1919																0.0
1919 / 1960																0.0
1960 / 2001																0.0
2001																0.0
TOTAL	0.9	2.3	20.8	81.1	147.6	238.7	208.8	162.1	92.8	31.3	10.0	3.2		0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.476	1184.160	1.212	55.905
111 WSTBLNI	367.315	25.045	0.476	61.094	0.188	22.014

TABLE 136
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
112 (WSTBLOM) WAIST BACK LENGTH, OMPHALION

MIN / MAX	376	376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
1468	0.1	0.1	0.1	0.1	0.1	0.1										0.5
1468 / 1509	0.1	0.2	0.6	1.2	0.4	0.2			0.1							2.7
1509 / 1550	0.1	0.1	0.9	1.8	2.0	1.2	0.6	0.4								7.2
1550 / 1591		0.4	2.5	3.8	5.1	6.6	3.5	0.9	0.9	0.1	0.1					23.6
1591 / 1632		0.1	0.7	5.6	8.2	13.1	10.5	5.6	1.9	1.9		0.1				47.5
1632 / 1673			0.7	2.7	11.7	19.9	23.3	19.7	9.0	6.0	0.2	0.1	0.1			93.3
1673 / 1714			0.1	1.8	10.4	21.0	45.5	39.7	21.9	15.1	6.3	2.7			0.5	165.1
1714 / 1755		0.5	0.1	1.0	3.8	14.2	43.0	49.4	48.7	28.5	13.9	3.1		1.0		207.4
1755 / 1796					1.0	6.8	22.1	43.3	54.7	45.7	26.5	4.6	3.1	0.5		208.3
1796 / 1837						1.6	11.2	18.9	28.0	33.6	26.9	14.7	3.5	2.5	2.1	143.0
1837 / 1878						0.5	1.0	5.6	12.7	19.8	18.8	12.1	1.5	1.0	0.5	73.6
1878 / 1919								0.5	1.0	9.1	4.0	2.1	2.5	1.0	1.0	21.3
1919 / 1960									0.5		0.5	2.1	1.0	1.0	0.5	5.6
1960 / 2001																0.0
2001									0.5			0.5				1.0
TOTAL	0.2	1.4	5.6	17.9	42.8	85.0	160.7	184.0	179.9	159.9	97.2	41.9	11.8	7.2	4.6	1000.0

TABLE 137
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
112 (WSTBLOM) WAIST BACK LENGTH, OMPHALION

MIN / MAX	376	376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
1468																0.0
1468 / 1509				0.6												0.6
1509 / 1550																0.0
1550 / 1591			1.1	0.6		2.8	0.6		0.6							5.6
1591 / 1632				2.8	2.8	6.8	6.2	4.5	1.1	1.7						25.9
1632 / 1673			0.6	1.1	8.5	15.2	19.7	18.0	8.5	6.2						77.8
1673 / 1714				1.7	10.1	19.7	45.7	40.6	22.5	16.3	6.8	2.8			0.6	166.9
1714 / 1755		0.6		1.1	3.9	14.7	46.2	53.0	53.0	31.0	15.2	3.4		1.1		223.2
1755 / 1796					1.1	7.3	24.2	47.4	60.3	50.2	29.3	5.1	3.4	0.6		228.9
1796 / 1837						1.7	12.4	20.9	31.0	37.2	29.9	16.3	3.9	2.8	2.3	158.4
1837 / 1878						0.6	1.1	6.2	14.1	22.0	20.9	13.5	1.7	1.1	0.6	81.7
1878 / 1919								0.6	1.1	10.1	4.5	2.3	2.8	1.1	1.1	23.7
1919 / 1960									0.6		0.6	2.3	1.1	1.1	0.6	6.2
1960 / 2001																0.0
2001									0.6			0.6				1.1
TOTAL		0.6	1.7	7.9	26.5	68.8	156.1	191.1	193.3	174.7	107.1	46.2	13.0	7.9	5.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.578	1066.459	1.441	54.519
112 WSTBLOM	478.504	26.817	0.578	70.931	0.232	21.884

TABLE 138
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
112 (WSTBLOM) WAIST BACK LENGTH, OMPHALION

MIN / MAX		376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
1468	0.9	0.5	0.5	1.4	0.9	0.5										4.5
1468 / 1509	0.5	1.8	6.3	6.3	4.1	1.8			0.9							21.7
1509 / 1550	0.9	1.4	9.1	18.1	19.9	11.8	6.3	4.1								71.6
1550 / 1591		4.1	15.4	32.2	50.7	40.3	29.4	8.6	3.6	0.9	0.5					185.7
1591 / 1632		0.9	6.8	30.3	57.1	69.3	49.4	15.4	9.1	3.2		0.5				241.8
1632 / 1673			1.8	17.2	40.3	62.5	55.3	34.9	14.0	4.5	1.8	0.5	0.5			233.2
1673 / 1714			0.5	2.3	13.1	32.6	43.9	31.7	16.8	4.5	1.8	1.4				148.6
1714 / 1755			0.5	0.5	3.2	9.5	14.5	17.2	10.4	6.3	2.7	0.9				65.7
1755 / 1796						1.8	3.2	6.8	4.1	5.4	1.4					22.6
1796 / 1837						0.5	0.5	0.9	0.9	1.4						4.1
1837 / 1878														0.5		0.5
1878 / 1919																0.0
1919 / 1960																0.0
1960 / 2001																0.0
2001																0.0
TOTAL	2.3	8.6	40.8	108.2	189.3	230.5	202.4	119.6	59.8	26.3	8.2	3.2	0.5	0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.555	995.103	1.433	52.928
112 WSTBLOM	442.524	24.621	0.555	92.571	0.215	20.489

TABLE 139
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
117 (WSTFRLNI) WAIST FRONT LENGTH, NATURAL INDENTATION

MIN / MAX	246	246 / 259	259 / 272	272 / 285	285 / 298	298 / 311	311 / 324	324 / 337	337 / 350	350 / 363	363 / 376	376 / 389	389 / 402	402 / 415	415	TOTAL
1468			0.1		0.1	0.1	0.1	0.1	0.1							0.5
1468 / 1509			0.3	0.5	0.6	0.3	0.3	0.7		0.1						2.7
1509 / 1550	0.1	0.1	0.5	1.5	1.5	1.5	1.2	0.6	0.1	0.1						7.2
1550 / 1591		0.3	0.8	2.9	5.7	6.0	5.0	2.2	0.7	0.2	0.1					23.6
1591 / 1632	0.1	0.1	0.6	2.4	5.4	9.5	12.2	9.9	4.4	2.1	0.8		0.1			47.5
1632 / 1673		0.2	0.3	2.4	5.8	12.9	20.1	27.5	17.3	3.8	2.3	0.6		0.1		93.3
1673 / 1714			0.1	0.5	3.4	11.2	32.7	43.6	40.6	22.4	8.8	0.8	1.0			165.1
1714 / 1755			0.1	0.7	1.9	7.5	26.1	47.7	59.0	43.7	18.6	1.0	1.0			207.4
1755 / 1796				0.1	2.2	7.4	14.5	31.3	45.2	63.1	30.1	11.8	1.5	1.0		208.3
1796 / 1837					0.5	0.6	9.7	17.3	21.9	38.1	31.0	18.9	3.5	1.0	0.5	143.0
1837 / 1878						1.0	2.1	6.6	14.2	18.3	14.3	11.7	4.0	1.0	0.5	73.6
1878 / 1919								1.5	1.5	5.6	6.1	3.5	2.1		1.0	21.3
1919 / 1960								0.5	0.5	1.0	1.0	1.0	1.5			5.6
1960 / 2001																0.0
2001										0.5				0.5		1.0
TOTAL	0.2	0.7	2.8	10.9	26.8	58.0	124.1	189.4	205.5	199.0	112.9	49.2	14.8	3.6	2.1	1000.0

TABLE 140
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
117 (WSTFRLNI) WAIST FRONT LENGTH, NATURAL INDENTATION

MIN / MAX	246	259	272	285	298	311	324	337	350	363	376	389	402	415	TOTAL
1468															0.0
1468 1509							0.6								0.6
1509 1550															0.0
1550 1591			0.6	0.6	2.3	2.3									5.6
1591 1632				1.1	3.9	7.9	7.3	3.4	1.7	0.6					25.9
1632 1673			1.1	2.3	9.6	15.2	26.5	16.9	3.4	2.3	0.6				77.8
1673 1714				1.7	9.6	32.1	44.5	43.4	24.2	9.6	0.6	1.1			166.9
1714 1755			0.6	1.7	7.3	27.6	51.3	64.3	47.9	20.3	1.1	1.1			223.2
1755 1796				2.3	7.9	15.8	34.4	49.6	69.9	33.3	13.0	1.7	1.1		228.9
1796 1837				0.6	0.6	10.7	19.2	24.2	42.3	34.4	20.9	3.9	1.1	0.6	158.4
1837 1878					1.1	2.3	7.3	15.8	20.3	15.8	13.0	4.5	1.1	0.6	81.7
1878 1919							1.7	1.7	6.2	6.8	3.9	2.3		1.1	23.7
1919 1960							0.6	0.6	1.1	1.1	1.1	1.7			6.2
1960 2001															0.0
2001									0.6				0.6		1.1
TOTAL			2.3	10.1	42.3	113.9	193.3	219.8	217.6	124.0	54.1	16.3	3.9	2.3	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.503	1223.437	1.540	57.747
117 WSTFRLNI	345.652	21.829	0.503	56.944	0.164	18.886

TABLE 141
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
117 (WSTFRLNI) WAIST FRONT LENGTH, NATURAL INDENTATION

MIN / MAX	246	259	272	285	298	311	324	337	350	363	376	389	402	415	TOTAL
1468			0.9		0.9	1.4	0.5	0.5	0.5						4.5
1468 / 1509			3.2	4.5	5.9	3.2	3.2	1.4		0.5					21.7
1509 / 1550	0.9	1.4	5.4	14.9	14.9	14.5	12.2	6.3	0.5	0.5					71.6
1550 / 1591		2.7	7.7	23.6	51.2	38.9	29.4	21.7	7.2	2.3	0.9				185.7
1591 / 1632	0.9	0.9	5.9	24.0	43.9	59.8	51.2	33.1	13.6	5.9	2.3		0.5		241.8
1632 / 1673		1.8	3.2	14.5	37.1	43.0	63.9	36.7	21.3	7.7	2.7	0.9		0.5	233.2
1673 / 1714			0.9	4.5	18.6	25.4	38.0	35.3	15.4	5.9	1.8	2.3	0.5		148.6
1714 / 1755			0.9	1.8	3.6	9.1	13.1	15.4	11.3	6.3	3.2	0.5	0.5		65.7
1755 / 1796				0.9	1.4	3.2	3.2	3.6	5.9	1.8	1.8	0.9			22.6
1796 / 1837						0.9	0.9		1.4	0.5		0.5			4.1
1837 / 1878											0.5				0.5
1878 / 1919															0.0
1919 / 1960															0.0
1960 / 2001															0.0
2001															0.0
TOTAL	1.8	6.8	28.1	88.8	177.5	199.3	215.6	154.0	77.0	31.3	13.1	5.0	1.4	0.5	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.385	1303.975	1.044	58.703
117 WSTFRLNI	311.709	23.483	0.385	79.849	0.142	21.674

TABLE 142
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
118 (WSTFRLOM) WAIST FRONT LENGTH, OMPHALION

MIN / MAX	331	331 / 345	345 / 359	359 / 373	373 / 387	387 / 401	401 / 415	415 / 429	429 / 443	443 / 457	457 / 471	471 / 485	485 / 499	499 / 513	513	TOTAL
1468			0.3	0.1	0.1	0.1										0.5
1468 / 1509	0.1	0.2	0.4	0.8	1.0	0.1	0.1	0.1	0.1							2.7
1509 / 1550	0.1	0.3	1.3	1.9	2.0	1.0	0.4	0.2	0.1							7.2
1550 / 1591	0.2	1.0	2.6	4.9	7.0	5.1	2.4	0.5	0.1	0.1						23.6
1591 / 1632	0.1	0.2	1.8	7.9	13.6	11.9	8.5	3.2	0.4	0.1						47.5
1632 / 1673		0.6	1.9	10.5	19.0	23.9	21.9	10.0	4.7	0.7	0.1					93.3
1673 / 1714			2.1	9.4	23.1	48.9	44.4	26.2	7.1	1.8	1.6		0.5			165.1
1714 / 1755			1.5	6.6	17.6	48.7	57.1	41.7	26.1	5.9	1.6	0.6				207.4
1755 / 1796			0.5	3.1	7.3	31.5	51.7	48.0	42.5	15.9	5.7	2.1				208.3
1796 / 1837				1.0	5.0	10.7	26.4	42.8	28.0	13.7	8.6	4.0	2.5			143.0
1837 / 1878					1.5	3.5	16.7	12.7	18.3	12.2	6.1	1.5		0.5	0.5	73.6
1878 / 1919						0.5	2.1	6.1	4.0	3.5	3.1	1.0		0.5	0.5	21.3
1919 / 1960							0.5	0.5		1.5	1.5	1.5				5.6
1960 / 2001																0.0
2001							0.5					0.5				1.0
TOTAL	0.4	2.2	12.4	46.0	97.2	186.0	232.8	191.7	131.3	55.4	28.3	11.2	3.1	1.0	1.0	1000.0

TABLE 143
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
118 (WSTFRLOM) WAIST FRONT LENGTH, OMPHALION

MIN / MAX	331	331 / 345	345 / 359	359 / 373	373 / 387	387 / 401	401 / 415	415 / 429	429 / 443	443 / 457	457 / 471	471 / 485	485 / 499	499 / 513	513	TOTAL
1468																0.0
1468 / 1509					0.6											0.6
1509 / 1550																0.0
1550 / 1591		0.6	0.6	0.6	2.3	1.1	0.6									5.6
1591 / 1632			0.6	3.4	7.3	6.8	5.6	2.3								25.9
1632 / 1673		0.6	1.1	9.0	14.7	19.2	18.6	9.6	4.5	0.6						77.8
1673 / 1714			2.3	9.6	22.5	49.6	44.5	27.1	7.3	1.7	1.7		0.6			166.9
1714 / 1755			1.7	6.8	18.6	53.0	61.4	45.1	28.2	6.2	1.7	0.6				223.2
1755 / 1796			0.6	3.4	7.9	34.9	56.9	52.4	46.8	17.5	6.2	2.3				228.9
1796 / 1837				1.1	5.6	11.8	29.3	47.4	31.0	15.2	9.6	4.5	2.8			158.4
1837 / 1878					1.7	3.9	18.6	14.1	20.3	13.5	6.8	1.7		0.6	0.6	81.7
1878 / 1919						0.6	2.3	6.8	4.5	3.9	3.4	1.1		0.6	0.6	23.7
1919 / 1960							0.6	0.6		1.7	1.7	1.7				6.2
1960 / 2001																0.0
2001							0.6					0.6				1.1
TOTAL		1.1	6.8	33.8	81.2	180.9	239.0	205.2	142.6	60.3	31.0	12.4	3.4	1.1	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.515	1173.250	1.405	57.282
118 WSTFRLOM	414.536	24.483	0.515	83.140	0.189	20.992

TABLE 144
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
118 (WSTFRLOM) WAIST FRONT LENGTH, OMPHALION

MIN / MAX	331	345	359	373	387	401	415	429	443	457	471	485	499	513	TOTAL
1468			2.7	0.5	0.9	0.5									4.5
1468 / 1509	0.5	1.8	3.6	7.7	5.0	1.4	0.9	0.5	0.5						21.7
1509 / 1550	0.5	3.2	13.1	18.6	19.5	10.4	3.6	1.8	0.9						71.6
1550 / 1591	2.3	4.1	20.8	43.5	49.4	40.8	19.0	5.0	0.5	0.5					185.7
1591 / 1632	0.5	2.3	12.7	48.0	70.7	57.5	34.4	11.3	4.1	0.5					241.8
1632 / 1673		0.9	9.5	24.5	57.5	66.6	51.6	13.6	6.8	1.8	0.5				233.2
1673 / 1714			0.5	7.7	28.1	43.0	43.5	17.7	5.0	2.3	0.9				148.6
1714 / 1755				4.5	8.6	10.4	18.1	11.3	7.2	3.6	0.9	0.9			65.7
1755 / 1796				0.5	1.8	0.9	5.0	8.2	3.6	1.4	1.4				22.6
1796 / 1837				0.5		0.9	0.5	0.9	0.9	0.5					4.1
1837 / 1878										0.5					0.5
1878 / 1919															0.0
1919 / 1960															0.0
1960 / 2001															0.0
2001															0.0
TOTAL	3.6	12.2	63.0	155.8	241.4	232.3	176.6	70.2	29.4	10.9	3.6	0.9			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.491	1083.568	1.400	55.412
118 WSTFRLOM	389.822	22.317	0.491	108.969	0.172	19.442

TABLE 145
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
120 (WSTHOM) WAIST HEIGHT, OMPHALION

MIN / MAX	832	832 / 866	866 / 900	900 / 934	934 / 968	968 / 1002	1002 / 1036	1036 / 1070	1070 / 1104	1104 / 1138	1138 / 1172	1172 / 1206	1206 / 1240	1240 / 1274	1274	TOTAL
1468	0.1	0.2	0.2													0.5
1468 / 1509		0.9	1.3	0.5	0.1											2.7
1509 / 1550		0.1	1.8	4.3	0.9											7.2
1550 / 1591			0.8	8.2	12.9	1.8										23.6
1591 / 1632			0.5	3.1	24.2	18.2	1.5									47.5
1632 / 1673				0.1	11.9	52.5	26.9	2.0								93.3
1673 / 1714					1.6	31.1	101.7	29.5	1.2							165.1
1714 / 1755						3.1	65.0	116.4	22.4	0.6						207.4
1755 / 1796						0.5	11.8	82.7	97.1	16.1						208.3
1796 / 1837							1.0	15.2	68.6	49.4	8.7	0.1				143.0
1837 / 1878								0.5	6.6	40.1	25.4	1.0				73.6
1878 / 1919										6.1	10.6	4.6				21.3
1919 / 1960										0.5	1.5	2.5	1.0			5.6
1960 / 2001																0.0
2001															1.0	1.0
TOTAL	0.1	1.2	4.5	16.1	51.6	107.2	207.8	246.3	196.0	112.7	46.3	8.1	1.0		1.0	1000.0

TABLE 146
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
120 (WSTHOM) WAIST HEIGHT, OMPHALION

MIN / MAX	832	832 / 866	866 / 900	900 / 934	934 / 968	968 / 1002	1002 / 1036	1036 / 1070	1070 / 1104	1104 / 1138	1138 / 1172	1172 / 1206	1206 / 1240	1240 / 1274	1274	TOTAL
1468																0.0
1468 / 1509		0.6														0.6
1509 / 1550																0.0
1550 / 1591			0.6	2.3	2.8											5.6
1591 / 1632			0.6	2.8	15.2	7.3										25.9
1632 / 1673					11.3	45.1	20.3	1.1								77.8
1673 / 1714					1.7	32.7	103.2	28.2	1.1							166.9
1714 / 1755						3.4	70.5	125.7	23.1	0.6						223.2
1755 / 1796						0.6	13.0	91.3	106.5	17.5						228.9
1796 / 1837							1.1	16.9	76.1	54.7	9.6					158.4
1837 / 1878								0.6	7.3	44.5	28.2	1.1				81.7
1878 / 1919										6.8	11.8	5.1				23.7
1919 / 1960										0.6	1.7	2.8	1.1			6.2
1960 / 2001																0.0
2001															1.1	1.1
TOTAL		0.6	1.1	5.1	31.0	89.1	208.0	263.8	214.2	124.6	51.3	9.0	1.1		1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.915	484.538	1.201	26.917
120 WSTHOM	1058.805	50.929	0.915	-166.304	0.698	20.519

TABLE 147
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
120 (WSTHOM) WAIST HEIGHT, OMPHALION

MIN / MAX		832 / 866	866 / 900	900 / 934	934 / 968	968 / 1002	1002 / 1036	1036 / 1070	1070 / 1104	1104 / 1138	1138 / 1172	1172 / 1206	1206 / 1240	1240 / 1274	1274	TOTAL
1468	0.9	1.8	1.8													4.5
1468 / 1509		3.6	13.1	4.5	0.5											21.7
1509 / 1550		1.4	17.7	43.0	9.5											71.6
1550 / 1591			2.7	61.1	103.7	18.1										185.7
1591 / 1632				5.9	105.5	115.9	14.5									241.8
1632 / 1673				0.5	17.2	119.1	86.5	10.0								233.2
1673 / 1714					0.5	16.3	88.3	41.2	2.3							148.6
1714 / 1755						0.9	15.4	32.6	16.3	0.5						65.7
1755 / 1796							1.4	5.4	12.7	3.2						22.6
1796 / 1837									0.9	1.8	0.9	0.5				4.1
1837 / 1878										0.5						0.5
1878 / 1919																0.0
1919 / 1960																0.0
1960 / 2001																0.0
2001																0.0
TOTAL	0.9	6.8	35.3	115.0	236.9	270.4	206.1	89.2	32.2	5.9	0.9	0.5				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.918	454.461	1.196	25.220
120 WSTHOM	982.106	48.810	0.918	-165.834	0.705	19.354

TABLE 148
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
125 (WEIGHT) WEIGHT

MIN MAX	468	468 526	526 584	584 642	642 700	700 758	758 816	816 874	874 932	932 990	990 1048	1048 1106	1106 1164	1164 1222	1222	TOTAL
1468	0.1	0.2	0.1	0.1												0.5
1468 1509	0.4	0.9	1.0	0.4	0.1											2.7
1509 1550	0.5	2.3	2.7	1.2	0.4	0.1										7.2
1550 1591	0.8	3.4	8.1	6.6	3.5	0.7	0.1	0.5								23.6
1591 1632	0.1	3.8	8.2	16.7	10.1	6.3	2.5									47.5
1632 1673	0.1	2.4	9.8	18.1	23.9	20.8	11.8	5.0	1.5							93.3
1673 1714		0.3	5.9	25.9	33.8	40.6	32.5	15.8	6.7	2.6	0.5	0.5				165.1
1714 1755		0.1	2.6	15.2	31.6	55.9	47.8	30.2	17.0	5.1	2.1					207.4
1755 1796			0.2	4.5	25.1	44.6	42.8	49.4	26.9	7.6	5.0	1.5		0.5		208.3
1796 1837				0.6	12.2	18.4	28.5	32.6	25.8	12.1	8.6	2.5	1.0		0.5	143.0
1837 1878					2.1	7.6	13.2	15.8	12.1	11.7	6.6	3.1	1.0	0.5		73.6
1878 1919						3.1	2.1	4.0	6.1	2.5	2.5	0.5			0.5	21.3
1919 1960							0.5			1.0	2.1	1.0	0.5	0.5		5.6
1960 2001																0.0
2001								1.0								1.0
TOTAL	2.0	13.3	38.5	89.1	142.7	198.0	181.7	154.3	96.2	42.8	27.4	9.1	2.5	1.5	1.0	1000.0

TABLE 149
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
125 (WEIGHT) WEIGHT

MIN / MAX		468 / 526	526 / 584	584 / 642	642 / 700	700 / 758	758 / 816	816 / 874	874 / 932	932 / 990	990 / 1048	1048 / 1106	1106 / 1164	1164 / 1222	1222	TOTAL
1468																0.0
1468 / 1509			0.6													0.6
1509 / 1550																0.0
1550 / 1591		0.6	1.7	1.7	1.1			0.6								5.6
1591 / 1632		1.7	2.3	8.5	6.2	5.1	2.3									25.9
1632 / 1673		1.1	6.2	11.3	20.3	20.3	11.8	5.1	1.7							77.8
1673 / 1714			4.5	24.2	32.7	42.3	34.9	16.9	7.3	2.8	0.6	0.6				166.9
1714 / 1755			2.3	15.2	33.3	60.3	52.4	33.3	18.6	5.6	2.3					223.2
1755 / 1796				4.5	27.6	49.0	46.8	54.7	29.9	8.5	5.6	1.7		0.6		228.9
1796 / 1837				0.6	13.5	20.3	31.6	36.1	28.7	13.5	9.6	2.8	1.1		0.6	158.4
1837 / 1878					2.3	8.5	14.7	17.5	13.5	13.0	7.3	3.4	1.1	0.6		81.7
1878 / 1919						3.4	2.3	4.5	6.8	2.8	2.8	0.6			0.6	23.7
1919 / 1960							0.6			1.1	2.3	1.1	0.6	0.6		6.2
1960 / 2001																0.0
2001								1.1								1.1
TOTAL		3.4	17.5	66.0	137.0	209.1	197.3	169.7	106.5	47.4	30.4	10.1	2.8	1.7	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.546	1498.033	0.328	55.986
125 WEIGHT	784.868	111.064	0.546	-808.889	0.908	93.074

TABLE 150
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
125 (WEIGHT) WEIGHT

MIN / MAX	468	468 / 526	526 / 584	584 / 642	642 / 700	700 / 758	758 / 816	816 / 874	874 / 932	932 / 990	990 / 1048	1048 / 1106	1106 / 1164	1164 / 1222	1222	TOTAL
1468 / 1509	3.6	8.6	5.0	4.1	0.5											21.7
1509 / 1550	5.0	23.1	26.7	11.8	3.6	1.4										71.6
1550 / 1591	7.7	29.0	65.2	50.3	25.4	7.2	0.9									185.7
1591 / 1632	0.9	22.2	61.6	90.6	44.8	17.2	4.5									241.8
1632 / 1673	1.4	14.5	41.7	78.8	56.2	25.4	11.3	4.1								233.2
1673 / 1714		2.7	18.6	40.8	43.5	24.9	10.4	5.9	0.9	0.9						148.6
1714 / 1755		0.5	5.4	14.9	16.3	15.9	6.8	2.7	2.3	0.9						65.7
1755 / 1796			1.8	5.0	2.7	5.0	6.3	1.8								22.6
1796 / 1837				0.5	0.9	0.9	0.9	0.9								4.1
1837 / 1878								0.5								0.5
1878 / 1919																0.0
1919 / 1960																0.0
1960 / 2001																0.0
2001																0.0
TOTAL	19.5	102.4	227.4	297.1	193.8	97.8	41.2	15.9	3.2	1.8						1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.528	1379.664	0.403	54.000
125 WEIGHT	620.149	83.512	0.528	-510.903	0.694	70.902

TABLE 151
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	622 / 654	654 / 686	686 / 718	718 / 750	750 / 782	782 / 814	814 / 846	846 / 878	878 / 910	910 / 942	942 / 974	974 / 1006	1006 / 1038	1038	TOTAL
1468	0.1	0.2	0.2													0.5
1468 / 1509			1.5	0.9	0.3											2.7
1509 / 1550			0.7	3.6	2.4	0.5										7.2
1550 / 1591		0.1	0.1	4.8	11.1	7.2	0.4									23.6
1591 / 1632			0.1	3.3	15.1	19.9	8.3	0.9								47.5
1632 / 1673					7.5	42.9	33.8	7.9	1.2							93.3
1673 / 1714					2.6	28.4	85.2	41.7	6.8	0.1						165.1
1714 / 1755						9.2	60.8	99.3	33.8	3.3	1.0					207.4
1755 / 1796						0.1	14.3	88.9	75.6	27.4	2.2					208.3
1796 / 1837							1.0	25.4	67.1	35.2	13.3	1.0				143.0
1837 / 1878								1.5	16.2	34.1	19.8	2.1				73.6
1878 / 1919									0.5	7.6	10.2	2.5	0.5			21.3
1919 / 1960										0.5	1.5	2.5	1.0			5.6
1960 / 2001																0.0
2001														0.5	0.5	1.0
TOTAL	0.1	0.2	2.7	12.6	38.8	108.2	203.8	265.6	201.1	108.1	47.8	8.1	1.5	0.5	0.5	1000.0

TABLE 152
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
1468															0.0
1468 1509			0.6												0.6
1509 1550															0.0
1550 1591				1.7	2.3	1.7									5.6
1591 1632				2.8	8.5	10.1	3.9	0.6							25.9
1632 1673					6.2	36.6	28.2	5.6	1.1						77.8
1673 1714					2.8	29.3	86.8	41.1	6.8						166.9
1714 1755						10.1	65.4	107.1	36.1	3.4	1.1				223.2
1755 1796							15.8	98.1	82.9	29.9	2.3				228.9
1796 1837							1.1	28.2	74.4	38.9	14.7	1.1			158.4
1837 1878								1.7	18.0	37.8	22.0	2.3			81.7
1878 1919									0.6	8.5	11.3	2.8	0.6		23.7
1919 1960										0.6	1.7	2.8	1.1		6.2
1960 2001															0.0
2001													0.6	0.6	1.1
TOTAL			0.6	4.5	19.7	87.9	201.2	282.4	219.8	118.9	53.0	9.0	1.7	0.6	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.852	725.787	1.230	35.018
39 CRCHHGHT	873.191	46.248	0.852	-198.047	0.590	24.241

TABLE 153
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX		622 / 654	654 / 686	686 / 718	718 / 750	750 / 782	782 / 814	814 / 846	846 / 878	878 / 910	910 / 942	942 / 974	974 / 1006	1006 / 1038	1038	TOTAL
1468 / 1509	0.5	1.8	2.3													4.5
1509 / 1550			9.5	9.1	3.2											21.7
1550 / 1591			7.2	35.8	24.0	4.5										71.6
1591 / 1632		0.5	1.4	33.1	90.1	56.6	4.1									185.7
1632 / 1673			1.4	7.7	74.3	107.8	47.6	3.2								241.8
1673 / 1714					19.0	99.6	84.7	28.1	1.8							233.2
1714 / 1755					0.5	20.8	71.1	47.6	7.2	1.4						148.6
1755 / 1796						1.4	19.5	29.4	13.1	2.3						65.7
1796 / 1837						0.5	0.5	6.3	9.5	5.0	0.9					22.6
1837 / 1878									1.4	1.8	0.5	0.5				4.1
1878 / 1919										0.5						0.5
1919 / 1960																0.0
1960 / 2001																0.0
2001																0.0
TOTAL	0.5	2.3	21.7	85.6	211.1	291.2	227.4	114.6	33.1	10.9	1.4	0.5				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.840	695.418	1.211	34.487
39 CRCHHGHT	771.351	44.143	0.840	-178.904	0.583	23.934

TABLE 154
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
56 (FNCLEGLG) FUNCTIONAL LEG LENGTH

MIN / MAX	847	847 / 879	879 / 911	911 / 943	943 / 975	975 / 1007	1007 / 1039	1039 / 1071	1071 / 1103	1103 / 1135	1135 / 1167	1167 / 1199	1199 / 1231	1231 / 1263	1263	TOTAL
1468	0.1	0.1	0.3	0.1												0.5
1468 / 1509		0.2	1.1	0.9	0.5											2.7
1509 / 1550			0.4	2.8	2.8	1.0	0.1									7.2
1550 / 1591			0.1	3.3	9.0	8.2	3.0	0.2								23.6
1591 / 1632			0.1	2.0	9.2	21.4	12.5	2.3	0.1							47.5
1632 / 1673					2.8	23.4	45.8	18.2	3.2	0.1						93.3
1673 / 1714					0.6	8.3	65.2	70.1	18.8	2.0						165.1
1714 / 1755						0.6	22.9	90.4	78.6	14.0	1.0					207.4
1755 / 1796							2.5	40.9	87.0	60.3	17.0	0.6				208.3
1796 / 1837								4.6	36.0	61.0	32.6	8.7				143.0
1837 / 1878									1.0	19.3	32.0	18.3	3.1			73.6
1878 / 1919										1.0	8.6	8.1	3.5			21.3
1919 / 1960												2.1	2.1	1.5		5.6
1960 / 2001																0.0
2001															1.0	1.0
TOTAL	0.1	0.2	1.9	9.0	24.8	62.8	152.1	226.7	224.7	157.5	91.3	37.7	8.6	1.5	1.0	1000.0

TABLE 155
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
56 (FNCLEGLG) FUNCTIONAL LEG LENGTH

MIN / MAX	847	847 / 879	879 / 911	911 / 943	943 / 975	975 / 1007	1007 / 1039	1039 / 1071	1071 / 1103	1103 / 1135	1135 / 1167	1167 / 1199	1199 / 1231	1231 / 1263	1263	TOTAL
1468																0.0
1468 / 1509			0.6													0.6
1509 / 1550																0.0
1550 / 1591				1.1	2.3	1.7	0.6									5.6
1591 / 1632				1.7	6.2	13.0	4.5	0.6								25.9
1632 / 1673					2.3	21.4	38.3	13.5	2.3							77.8
1673 / 1714					0.6	8.5	68.2	71.0	16.9	1.7						166.9
1714 / 1755						0.6	24.8	98.1	84.6	14.1	1.1					223.2
1755 / 1796							2.8	45.1	95.8	66.0	18.6	0.6				228.9
1796 / 1837								5.1	40.0	67.6	36.1	9.6				158.4
1837 / 1878									1.1	21.4	35.5	20.3	3.4			81.7
1878 / 1919										1.1	9.6	9.0	3.9			23.7
1919 / 1960												2.3	2.3	1.7		6.2
1960 / 2001																0.0
2001															1.1	1.1
TOTAL			0.6	2.8	11.3	45.1	139.2	233.4	240.7	171.9	100.9	41.7	9.6	1.7	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.871	520.693	1.141	32.764
56 FNCLEGLG	1082.089	51.013	0.871	-86.420	0.666	25.018

TABLE 156
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
56 (FNCLEGLG) FUNCTIONAL LEG LENGTH

MIN / MAX	847	847 / 879	879 / 911	911 / 943	943 / 975	975 / 1007	1007 / 1039	1039 / 1071	1071 / 1103	1103 / 1135	1135 / 1167	1167 / 1199	1199 / 1231	1231 / 1263	1263	TOTAL
1468	0.9	0.5	2.7	0.5												4.5
1468 / 1509		1.8	5.4	9.5	5.0											21.7
1509 / 1550			4.1	27.6	28.1	10.4	1.4									71.6
1550 / 1591			0.5	22.6	69.7	66.6	24.5	1.8								185.7
1591 / 1632			0.5	5.0	36.2	97.4	84.7	17.7	0.5							241.8
1632 / 1673					6.8	41.2	113.2	60.7	10.9	0.5						233.2
1673 / 1714					0.5	6.3	38.0	62.5	36.2	5.0						148.6
1714 / 1755						0.5	6.3	20.8	24.9	12.7	0.5					65.7
1755 / 1796								2.7	7.7	8.6	2.7	0.9				22.6
1796 / 1837									0.5	1.4	1.4	0.9				4.1
1837 / 1878											0.5					0.5
1878 / 1919																0.0
1919 / 1960																0.0
1960 / 2001																0.0
2001																0.0
TOTAL	0.9	2.3	13.1	65.2	146.3	222.4	268.1	166.2	80.6	28.1	5.0	1.8				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.847	521.246	0.095	33.791
56 FNCLEGLG	1011.995	49.152	0.847	-56.214	0.656	26.148

TABLE 157
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
57 (GLUFURHT) GLUTEAL FURROW HEIGHT

MIN / MAX		595 / 626	626 / 657	657 / 688	688 / 719	719 / 750	750 / 781	781 / 812	812 / 843	843 / 874	874 / 905	905 / 936	936 / 967	967 / 998	998	TOTAL
1468	0.1	0.1	0.2	0.1												0.5
1468 / 1509			1.1	1.2	0.4											2.7
1509 / 1550			0.5	3.0	2.9	0.7	0.1									7.2
1550 / 1591			0.2	3.1	10.9	8.5	0.9									23.6
1591 / 1632			0.1	1.2	11.1	21.7	12.3	1.2								47.5
1632 / 1673					4.6	31.5	41.5	14.0	1.9							93.3
1673 / 1714					0.6	15.6	73.7	60.8	12.6	1.7						165.1
1714 / 1755						1.7	39.1	99.8	55.9	10.0	1.0					207.4
1755 / 1796							9.3	58.7	94.3	38.2	7.7					208.3
1796 / 1837								12.1	51.8	55.4	19.9	3.6				143.0
1837 / 1878								0.5	7.6	31.0	24.4	9.6	0.5			73.6
1878 / 1919										5.0	10.6	4.6	1.0			21.3
1919 / 1960											1.5	2.5	1.5			5.6
1960 / 2001																0.0
2001															1.0	1.0
TOTAL	0.1	0.1	2.2	8.6	30.5	79.6	176.8	247.2	224.2	141.4	65.2	20.3	3.1		1.0	1000.0

TABLE 158
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
57 (GLUFURHT) GLUTEAL FURROW HEIGHT

MIN / MAX	595	626	657	688	719	750	781	812	843	874	905	936	967	998	TOTAL
1468															0.0
1468 1509			0.6												0.6
1509 1550															0.0
1550 1591				0.6	2.8	2.3									5.6
1591 1632				0.6	6.2	11.8	6.8	0.6							25.9
1632 1673					3.4	25.4	36.1	11.3	1.7						77.8
1673 1714					0.6	15.2	75.0	62.0	12.4	1.7					166.9
1714 1755						1.7	41.7	107.7	60.3	10.7	1.1				223.2
1755 1796							10.1	64.8	103.7	41.7	8.5				228.9
1796 1837								13.5	57.5	61.4	22.0	3.9			158.4
1837 1878								0.6	8.5	34.4	27.1	10.7	0.6		81.7
1878 1919										5.6	11.8	5.1	1.1		23.7
1919 1960											1.7	2.8	1.7		6.2
1960 2001															0.0
2001														1.1	1.1
TOTAL			0.6	1.1	13.0	56.4	169.7	260.4	244.1	155.6	72.2	22.5	3.4	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.849	743.857	1.243	35.333
57 GLUFURHT	814.433	45.637	0.849	-203.634	0.580	24.136

TABLE 159
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
57 (GLUFURHT) GLUTEAL FURROW HEIGHT

MIN / MAX	595	626	657	688	719	750	781	812	843	874	905	936	967	998	TOTAL
1468	0.5	0.9	2.3	0.9											4.5
1468 / 1509			5.9	12.2	3.6										21.7
1509 / 1550			5.0	29.9	29.0	7.2	0.5								71.6
1550 / 1591			2.3	25.8	84.2	63.9	9.5								185.7
1591 / 1632			0.9	6.8	55.7	110.5	61.6	6.3							241.8
1632 / 1673					14.9	86.5	89.7	38.5	3.6						233.2
1673 / 1714					0.9	19.5	61.6	50.3	14.5	1.8					148.6
1714 / 1755						1.4	15.9	29.0	15.9	3.6					65.7
1755 / 1796							1.8	4.1	10.0	6.3	0.5				22.6
1796 / 1837									0.9	1.8	0.9	0.5			4.1
1837 / 1878											0.5				0.5
1878 / 1919															0.0
1919 / 1960															0.0
1960 / 2001															0.0
2001															0.0
TOTAL	0.5	0.9	16.3	75.6	188.4	288.9	240.5	128.2	44.8	13.6	1.8	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.828	717.298	1.225	35.634
57 GLUFURHT	744.327	42.999	0.828	-168.194	0.560	24.090

TABLE 160
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
94 (SITTHGHT) SITTING HEIGHT

MIN / MAX	766	766 / 785	785 / 804	804 / 823	823 / 842	842 / 861	861 / 880	880 / 899	899 / 918	918 / 937	937 / 956	956 / 975	975 / 994	994 / 1013	1013	TOTAL
1468	0.1	0.1	0.2	0.1	0.1											0.5
1468 / 1509	0.2	0.6	0.6	0.6	0.7											2.7
1509 / 1550	0.2	0.9	1.7	2.1	1.7	0.6	0.1									7.2
1550 / 1591	0.1	0.5	2.3	5.5	7.9	5.2	2.0	0.1								23.6
1591 / 1632		0.1	0.7	6.7	10.1	11.0	12.5	4.2	2.3							47.5
1632 / 1673			0.3	2.7	10.5	19.3	26.7	23.4	9.0	1.6						93.3
1673 / 1714				0.7	4.1	13.2	41.8	47.2	40.0	16.1	2.2					165.1
1714 / 1755					1.6	6.5	20.5	45.2	68.9	49.4	13.5	2.1				207.4
1755 / 1796						1.6	8.9	28.9	50.8	57.4	45.9	13.3	1.5			208.3
1796 / 1837						0.5	3.1	9.2	16.9	34.1	39.7	31.5	6.6	1.5		143.0
1837 / 1878							0.5	1.5	5.0	13.2	21.8	19.3	11.7	0.5		73.6
1878 / 1919									0.5	1.5	4.6	6.6	5.0	2.5	0.5	21.3
1919 / 1960										0.5		2.1	1.0	1.0	1.0	5.6
1960 / 2001																0.0
2001											0.5				0.5	1.0
TOTAL	0.5	2.1	5.8	18.3	36.5	57.8	116.1	159.6	193.3	173.7	128.0	74.8	25.8	5.6	2.1	1000.0

TABLE 161
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
94 (SITTHGHT) SITTING HEIGHT

MIN / MAX	766	785	804	823	842	861	880	899	918	937	956	975	994	1013	TOTAL
1468															0.0
1468 / 1509					0.6										0.6
1509 / 1550															0.0
1550 / 1591				1.1	1.7	1.7	1.1								5.6
1591 / 1632				2.8	3.9	4.5	9.0	3.4	2.3						25.9
1632 / 1673				1.7	7.3	15.8	21.4	20.9	9.0	1.7					77.8
1673 / 1714				0.6	3.4	11.8	41.7	47.4	42.3	17.5	2.3				166.9
1714 / 1755					1.7	6.8	21.4	48.5	74.4	53.6	14.7	2.3			223.2
1755 / 1796						1.7	9.6	31.6	55.8	63.1	50.7	14.7	1.7		228.9
1796 / 1837						0.6	3.4	10.1	18.6	37.8	44.0	34.9	7.3	1.7	158.4
1837 / 1878							0.6	1.7	5.6	14.7	24.2	21.4	13.0	0.6	81.7
1878 / 1919									0.6	1.7	5.1	7.3	5.6	2.8	0.6 23.7
1919 / 1960										0.6		2.3	1.1	1.1	1.1 6.2
1960 / 2001															0.0
2001											0.6				0.6 1.1
TOTAL				6.2	18.6	42.8	108.2	163.5	208.6	190.5	141.5	82.9	28.7	6.2	2.3 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.741	484.106	1.391	44.870
94 SITTHGHT	913.925	35.579	0.741	220.978	0.395	23.897

TABLE 162
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
94 (SITTHGHT) SITTING HEIGHT

MIN / MAX	766	785	804	823	842	861	880	899	918	937	956	975	994	1013	TOTAL
1468 / 1509	0.5	1.4	1.8	0.5	0.5										4.5
1468 / 1509	2.3	5.9	6.3	5.9	1.4										21.7
1509 / 1550	1.8	8.6	16.8	21.3	16.8	5.9	0.5								71.6
1550 / 1591	0.5	4.5	23.1	44.8	63.9	37.1	10.4	1.4							185.7
1591 / 1632		0.5	7.2	42.1	65.7	69.3	43.9	11.3	1.8						241.8
1632 / 1673			2.7	11.3	38.9	50.7	74.3	45.7	8.6	0.9					233.2
1673 / 1714				1.4	10.0	25.4	43.0	45.3	19.0	3.6	0.9				148.6
1714 / 1755					0.5	3.6	12.7	15.9	19.5	11.3	2.3				65.7
1755 / 1796						0.9	2.7	4.5	5.4	6.3	2.3	0.5			22.6
1796 / 1837								0.9	1.4	0.5	0.9	0.5			4.1
1837 / 1878												0.5			0.5
1878 / 1919															0.0
1919 / 1960															0.0
1960 / 2001															0.0
2001															0.0
TOTAL	5.0	20.8	58.0	127.3	197.5	192.9	187.5	125.0	55.7	22.6	6.3	1.4			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.327	63.604	0.755	456.834	1.376	41.699
94 SITTHGHT	851.957	34.902	0.755	176.698	0.414	22.882

TABLE 163
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN / MAX	691	691 716	716 741	741 766	766 791	791 816	816 841	841 866	866 891	891 916	916 941	941 966	966 991	991 1016	1016	TOTAL
1468	0.1	0.2	0.1	0.1												0.5
1468 1509		0.2	1.3	0.9	0.2											2.7
1509 1550	0.1		1.0	3.0	2.2	0.8	0.1									7.2
1550 1591		0.1	0.4	5.4	7.8	6.0	3.9									23.6
1591 1632			0.5	2.0	9.8	15.2	15.7	3.6	0.6	0.1						47.5
1632 1673				0.2	3.0	18.3	32.2	26.6	10.9	2.1						93.3
1673 1714					0.5	9.0	27.6	76.3	39.7	10.4	1.5					165.1
1714 1755					0.1	1.0	14.6	50.2	95.3	37.7	7.6	1.0				207.4
1755 1796							1.8	18.9	75.1	72.8	33.5	5.6	0.5			208.3
1796 1837							0.1	4.6	23.0	55.3	40.7	17.4	2.1			143.0
1837 1878									3.6	13.2	30.4	20.8	5.0	0.5		73.6
1878 1919										1.5	8.1	8.6	2.1	1.0		21.3
1919 1960											1.0	1.5	2.1	0.5	0.5	5.6
1960 2001																0.0
2001													0.5	0.5		1.0
TOTAL	0.1	0.5	3.3	11.6	23.5	50.3	96.1	180.3	248.3	192.9	122.9	54.9	12.1	2.5	0.5	1000.0

TABLE 164
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN / MAX	691	716	741	766	791	816	841	866	891	916	941	966	991	1016	TOTAL
1468															0.0
1468 / 1509			0.6												0.6
1509 / 1550															0.0
1550 / 1591				1.1		1.7	2.8								5.6
1591 / 1632			0.6		2.8	6.2	12.4	3.4	0.6						25.9
1632 / 1673						10.7	27.1	25.9	11.8	2.3					77.8
1673 / 1714						7.3	24.2	79.5	42.8	11.3	1.7				166.9
1714 / 1755						0.6	14.7	52.4	104.3	41.7	8.5	1.1			223.2
1755 / 1796							1.7	20.3	82.3	80.6	37.2	6.2	0.6		228.9
1796 / 1837								5.1	25.4	61.4	45.1	19.2	2.3		158.4
1837 / 1878									3.9	14.7	33.8	23.1	5.6	0.6	81.7
1878 / 1919										1.7	9.0	9.6	2.3	1.1	23.7
1919 / 1960											1.1	1.7	2.3	0.6	0.6 6.2
1960 / 2001															0.0
2001													0.6	0.6	1.1
TOTAL			1.1	1.1	2.8	26.5	82.9	186.6	271.1	213.6	136.4	60.9	13.5	2.8	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.798	510.299	1.406	40.253
97 SLLSPWR	885.976	37.934	0.798	90.174	0.453	22.856

TABLE 165
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
97 (SLLSPWR) SLEEVE LENGTH: SPINE-WRIST

MIN / MAX	691	691 / 716	716 / 741	741 / 766	766 / 791	791 / 816	816 / 841	841 / 866	866 / 891	891 / 916	916 / 941	941 / 966	966 / 991	991 / 1016	1016	TOTAL
1468 / 1509	0.9	2.3	0.9	0.5												4.5
1509 / 1550		2.3	7.7	9.5	2.3											21.7
1550 / 1591	0.5		10.0	30.3	22.2	7.7	0.9									71.6
1591 / 1632		0.5	4.1	44.4	77.9	44.8	14.0									185.7
1632 / 1673				19.9	72.9	96.5	45.7	5.4	0.9	0.5						241.8
1673 / 1714				1.8	29.9	87.0	78.4	33.1	3.2							233.2
1714 / 1755					4.5	24.0	58.4	47.6	12.2	1.8						148.6
1755 / 1796					0.5	4.5	14.0	30.8	14.5	1.4						65.7
1796 / 1837							2.7	6.8	10.4	2.3	0.5					22.6
1837 / 1878							0.5		1.4	0.5	0.9	0.9				4.1
1878 / 1919									0.5							0.5
1919 / 1960																0.0
1960 / 2001																0.0
2001																0.0
TOTAL	1.4	5.0	22.6	106.4	210.1	264.5	214.7	123.6	43.0	6.3	1.4	0.9				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.791	511.069	1.386	38.907
97 SLLSPWR	806.669	36.300	0.791	70.930	0.452	22.205

TABLE 166
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
98 (SLOUTSM) SLEEVE OUTSEAM

MIN / MAX	440	462	484	506	528	550	572	594	616	638	660	682	704	726	TOTAL
1468 / 1509	0.1	0.1	0.3	0.1											0.5
1509 / 1550			1.2	1.1	0.5										2.7
1550 / 1591			0.2	2.1	3.5	1.0	0.3								7.2
1591 / 1632			0.2	2.6	7.7	9.4	3.5	0.2							23.6
1632 / 1673			0.1	1.4	7.5	20.9	13.7	4.0	0.1						47.5
1673 / 1714				0.2	2.7	20.4	39.5	23.8	5.6	1.0					93.3
1714 / 1755					0.1	10.9	49.7	70.4	29.1	4.2	0.5				165.1
1755 / 1796					0.1	1.4	24.6	84.0	74.0	20.3	3.1				207.4
1796 / 1837						0.1	8.0	41.9	86.6	59.2	11.8	1.0			208.3
1837 / 1878							1.0	11.8	39.7	65.0	19.4	6.2			143.0
1878 / 1919								1.5	10.6	24.9	25.8	10.6			73.6
1919 / 1960									0.5	5.0	8.6	6.1	1.0		21.3
1960 / 2001										0.5	1.5	2.5	1.0		5.6
2001 /															0.0
														1.0	1.0
TOTAL	0.1	0.1	1.9	7.4	22.1	64.3	140.2	237.4	246.3	180.2	70.8	26.4	2.1	1.0	1000.0

TABLE 167
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
98 (SLOUTSM) SLEEVE OUTSEAM

MIN / MAX	440	462	484	506	528	550	572	594	616	638	660	682	704	726	TOTAL
1468															0.0
1468 1509			0.6												0.6
1509 1550															0.0
1550 1591					1.1	2.8	1.7								5.6
1591 1632				0.6	1.7	12.4	8.5	2.8							25.9
1632 1673					1.1	13.5	34.4	22.0	5.6	1.1					77.8
1673 1714						10.1	47.9	73.3	30.4	4.5	0.6				166.9
1714 1755						1.1	25.9	90.2	80.6	22.0	3.4				223.2
1755 1796							8.5	45.7	95.3	65.4	13.0	1.1			228.9
1796 1837							1.1	13.0	44.0	72.2	21.4	6.8			158.4
1837 1878								1.7	11.8	27.6	28.7	11.8			81.7
1878 1919									0.6	5.6	9.6	6.8	1.1		23.7
1919 1960										0.6	1.7	2.8	1.1		6.2
1960 2001															0.0
2001														1.1	1.1
TOTAL		0.6	0.6	3.9	40.0	128.0	248.6	268.3	199.0	78.4	29.3	2.3		1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.786	726.450	1.711	41.304
98 SLOUTSM	601.517	30.698	0.786	-32.537	0.361	18.974

TABLE 168
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
98 (SLOUTSM) SLEEVE OUTSEAM

MIN / MAX	440	462	484	506	528	550	572	594	616	638	660	682	704	726	TOTAL
1468	0.5	0.5	3.2	0.5											4.5
1468 / 1509			6.3	10.9	4.5										21.7
1509 / 1550			1.8	20.8	35.3	10.4	3.2								71.6
1550 / 1591			1.8	26.3	67.5	68.8	19.5	1.8							185.7
1591 / 1632			0.5	8.6	59.8	97.4	60.2	14.5	0.9						241.8
1632 / 1673				1.8	16.8	82.9	85.6	39.9	5.9	0.5					233.2
1673 / 1714					0.9	18.6	65.7	44.4	17.7	1.4					148.6
1714 / 1755					0.9	4.1	12.7	28.1	14.5	5.0	0.5				65.7
1755 / 1796						0.5	3.2	7.2	8.2	3.2	0.5				22.6
1796 / 1837								0.5	1.4	0.5	1.4	0.5			4.1
1837 / 1878										0.5					0.5
1878 / 1919															0.0
1919 / 1960															0.0
1960 / 2001															0.0
2001															0.0
TOTAL	0.5	0.5	13.6	68.8	185.7	282.6	250.0	136.3	48.5	10.9	2.3	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.766	747.911	1.611	40.878
98 SLOUTSM	547.184	30.254	0.766	-46.681	0.364	19.444

TABLE 169
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 100 (STATURE) STATURE
99 (SPAN) SPAN

MIN / MAX	1406	1406 / 1460	1460 / 1514	1514 / 1568	1568 / 1622	1622 / 1676	1676 / 1730	1730 / 1784	1784 / 1838	1838 / 1892	1892 / 1946	1946 / 2000	2000 / 2054	2054 / 2108	2108	TOTAL
1468	0.1	0.3	0.1													0.5
1468 / 1509		0.1	1.3	0.9	0.5											2.7
1509 / 1550		0.1	0.5	2.9	2.6	0.9	0.2									7.2
1550 / 1591			0.1	3.2	8.1	7.7	4.3	0.2								23.6
1591 / 1632				1.4	7.2	20.9	14.4	2.9	0.7							47.5
1632 / 1673					2.4	14.1	38.2	28.5	7.2	2.6	0.5					93.3
1673 / 1714					0.1	5.4	35.5	75.8	35.6	12.6						165.1
1714 / 1755						0.1	13.5	59.9	89.6	38.7	5.7					207.4
1755 / 1796						0.1	2.2	21.8	84.7	58.8	36.7	3.5	0.5			208.3
1796 / 1837								5.1	22.9	63.0	35.7	15.3	0.5	0.5		143.0
1837 / 1878									3.1	15.3	27.9	21.8	4.6	1.0		73.6
1878 / 1919										0.5	8.1	10.2	2.1	0.5		21.3
1919 / 1960											1.0	1.5	2.5	0.5		5.6
1960 / 2001																0.0
2001															1.0	1.0
TOTAL	0.1	0.4	2.0	8.4	20.9	49.1	108.3	194.2	243.7	191.4	115.6	52.4	10.2	2.5	1.0	1000.0

TABLE 170
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 100 (STATURE) STATURE
99 (SPAN) SPAN

MIN / MAX	1406	1460	1514	1568	1622	1676	1730	1784	1838	1892	1946	2000	2054	2108	TOTAL
1468															0.0
1468 1509			0.6												0.6
1509 1550															0.0
1550 1591					1.7	1.7	2.3								5.6
1591 1632				0.6	1.1	13.0	9.6	1.1	0.6						25.9
1632 1673					0.6	6.8	33.8	26.5	6.8	2.8	0.6				77.8
1673 1714						4.5	33.3	78.9	36.6	13.5					166.9
1714 1755							13.5	63.7	97.5	42.3	6.2				223.2
1755 1796							2.3	23.7	93.0	64.8	40.6	3.9	0.6		228.9
1796 1837								5.6	25.4	69.9	39.5	16.9	0.6	0.6	158.4
1837 1878									3.4	16.9	31.0	24.2	5.1	1.1	81.7
1878 1919										0.6	9.0	11.3	2.3	0.6	23.7
1919 1960											1.1	1.7	2.8	0.6	6.2
1960 2001															0.0
2001														1.1	1.1
TOTAL			0.6	0.6	3.4	25.9	94.7	199.5	263.2	210.8	128.0	58.1	11.3	2.8	1.1 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1755.808	66.807	0.815	544.503	0.644	38.699
99 SPAN	1823.060	81.972	0.815	66.685	1.000	47.483

TABLE 171
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 100 (STATURE) STATURE
99 (SPAN) SPAN

MIN / MAX	1406	1406 / 1460	1460 / 1514	1514 / 1568	1568 / 1622	1622 / 1676	1676 / 1730	1730 / 1784	1784 / 1838	1838 / 1892	1892 / 1946	1946 / 2000	2000 / 2054	2054 / 2108	2108	TOTAL
1468	0.5	2.7	1.4													4.5
1468 / 1509		0.5	7.7	9.1	4.5											21.7
1509 / 1550		0.5	4.5	28.5	26.3	9.5	2.3									71.6
1550 / 1591			1.4	32.2	66.1	62.0	22.2	1.8								185.7
1591 / 1632				8.6	62.5	91.9	58.0	19.5	1.4							241.8
1632 / 1673					18.1	79.7	77.4	46.6	10.9	0.5						233.2
1673 / 1714					0.5	13.6	55.7	48.0	26.7	4.1						148.6
1714 / 1755						0.9	13.6	25.8	18.6	5.9	0.9					65.7
1755 / 1796						0.5	1.4	4.5	10.4	4.5	1.4					22.6
1796 / 1837								0.5	0.5	0.9	1.4	0.9				4.1
1837 / 1878										0.5						0.5
1878 / 1919																0.0
1919 / 1960																0.0
1960 / 2001																0.0
2001																0.0
TOTAL	0.5	3.6	14.9	78.4	178.0	258.2	230.5	146.7	68.4	16.3	3.6	0.9				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
100 STATURE	1629.372	63.604	0.787	599.242	0.616	39.217
99 SPAN	1671.898	81.283	0.787	32.325	1.006	50.117

TABLE 172
8IVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 101 (STRLGTH) STRAP LENGTH
111 (WSTBLNI) WAIST BACK LENGTH, NATURAL (NOENTATION

MIN / MAX	290	305	320	335	350	365	380	395	410	425	440	455	470	485	TOTAL
564			0.1	0.1	0.1	0.1		0.1							0.5
564 / 587	0.1		0.1	0.1	0.2	0.3	0.2	0.1							1.1
587 / 610		0.1	0.3	0.6	0.7	2.1	2.2	0.4	0.2	0.2					6.8
610 / 633			0.1	1.2	2.4	4.5	5.2	7.2	3.2	2.1	0.5				26.2
633 / 656			0.6	1.4	3.0	8.1	10.5	18.8	15.6	8.1	4.1	1.5			71.8
656 / 679		0.1	0.4	1.7	4.1	8.3	16.9	30.7	33.8	23.9	14.8	6.6	1.0	0.1	142.3
679 / 702		0.1	0.2	1.4	2.4	8.3	18.3	37.3	48.8	44.1	33.8	10.3	3.5	0.5	209.0
702 / 725			0.3	0.8	1.8	5.9	9.5	30.8	60.1	54.2	33.7	14.7	5.0	0.5	217.2
725 / 748		0.1		0.4	1.5	3.1	8.9	18.9	40.9	39.1	32.7	13.3	5.0	1.0	0.5	165.4
748 / 771			0.1	0.2	0.6	1.9	2.6	9.8	17.4	23.5	27.0	10.2	4.0	1.5	98.9
771 / 794				0.1		0.3	1.2	1.0	8.3	8.9	11.2	5.6	2.5		39.0
794 / 817					0.1	0.1	0.7	0.6	1.1	3.7	2.1	2.5	1.0	1.0	12.9
817 / 840					0.1		0.1	0.6		1.0	0.5	3.1	0.5		5.8
840 / 863							0.1	0.1			0.5	0.5		1.0	2.2
863									0.1	0.5		0.5			1.0
TOTAL	0.1	0.2	2.1	8.1	16.8	43.1	76.1	156.3	229.4	209.1	160.8	68.8	22.9	5.6	0.5 1000.0

TABLE 173
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 101 (STRLGTH) STRAP LENGTH
111 (WSTBLNI) WAIST BACK LENGTH, NATURAL INDENTATION

NIN / MAX	290	305	320	335	350	365	380	395	410	425	440	455	470	485	TOTAL
564															0.0
564 587															0.0
587 610						1.1	1.7								2.8
610 633					0.6	1.7	3.4	6.2	2.8	2.3	0.6				17.5
633 656						4.5	7.9	18.0	15.8	8.5	4.5	1.7			60.9
656 679					1.1	4.5	14.7	29.9	35.5	25.9	16.3	7.3	1.1		136.4
679 702						4.5	15.2	38.3	52.4	48.5	37.2	11.3	3.9	0.6	212.0
702 725						2.8	7.3	31.6	65.4	59.8	37.2	16.3	5.6	0.6	226.6
725 748					0.6	1.1	7.9	19.7	44.0	42.8	36.1	14.7	5.6	1.1	0.6 174.2
748 771						1.1	1.7	10.1	18.6	25.9	29.9	11.3	4.5	1.7	104.8
771 794							1.1	0.6	9.0	9.6	12.4	6.2	2.8		41.7
794 817							0.6	0.6	1.1	3.9	2.3	2.8	1.1	1.1	13.5
817 840								0.6		1.1	0.6	3.4	0.6		6.2
840 863											0.6	0.6		1.1	2.3
863										0.6		0.6			1.1
TOTAL				2.3	21.4	61.4	155.6	244.6	228.9	177.6	76.1	25.4	6.2	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
101 STRLGTH	710.689	40.144	0.363	451.754	0.628	37.408
111 WSTBLNI	411.995	23.220	0.363	262.559	0.210	21.638

TABLE 174
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 101 (STRLGTH) STRAP LENGTH
111 (WSTBLNI) WAIST BACK LENGTH, NATURAL INDENTATION

MIN / MAX	290	305	320	335	350	365	380	395	410	425	440	455	470	485	TOTAL
564			0.5	0.9	1.4	1.4		0.5							4.5
564 / 587	0.9		0.9	1.4	1.8	3.2	1.8	1.4							11.3
587 / 610		0.5	2.7	6.3	7.2	11.3	6.3	4.1	2.3	1.8					42.6
610 / 633			1.4	11.8	18.1	29.4	21.3	15.9	6.3						104.2
633 / 656			6.3	14.0	29.9	40.8	33.5	26.3	13.6	4.5	0.5				169.4
656 / 679		0.9	4.1	17.2	30.8	42.1	37.1	37.6	18.1	5.4	0.9	0.5		0.5	195.2
679 / 702		0.5	1.8	14.0	24.0	42.6	45.7	28.5	15.9	4.1	3.6	0.9			181.6
702 / 725			2.7	8.2	18.1	33.5	29.0	23.1	12.7	3.6	1.8				132.7
725 / 748		0.5		4.1	9.1	20.8	18.1	11.8	13.1	5.4	2.3	0.9			86.1
748 / 771			0.5	2.3	5.9	9.5	10.9	7.2	6.8	2.3	0.5	0.5			46.2
771 / 794				0.9		2.7	2.3	4.1	2.3	2.7					14.9
794 / 817					0.9	1.4	1.8	0.5	1.4	1.4	0.5				7.7
817 / 840					0.5		0.5	0.5				0.5			1.8
840 / 863							0.5	0.9							1.4
863									0.5						0.5
TOTAL	0.9	2.3	20.8	81.1	147.6	238.7	208.8	162.1	92.8	31.3	10.0	3.2		0.5	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
101 STRLGTH	678.587	46.244	0.217	531.653	0.400	45.156
111 WSTBLNI	367.315	25.045	0.217	287.694	0.117	24.456

TABLE 175
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 101 (STRLGTH) STRAP LENGTH
112 (WSTBLOM) WAIST BACK LENGTH, OMPHALION

MIN / MAX	376	376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
564			0.1	0.2	0.1		0.1									0.5
564 / 587	0.1	0.1	0.1	0.3	0.3	0.2	0.1	0.1								1.1
587 / 610	0.1	0.7	0.5	1.4	1.7	1.5	0.3	0.7	0.1	0.1						6.8
610 / 633	0.1	0.1	0.7	2.0	7.4	5.8	6.6	2.8	0.6							26.2
633 / 656		0.3	1.3	5.4	9.1	13.2	20.4	11.0	7.0	2.8	1.0					71.8
656 / 679			1.6	3.3	9.6	20.5	40.7	29.3	19.1	9.4	6.2	2.6		0.1		142.3
679 / 702	0.1	0.1	0.5	3.9	9.7	22.4	33.5	46.0	45.5	30.1	12.2	4.1	1.0			209.0
702 / 725		0.1	0.3	1.0	2.8	10.4	29.5	50.5	46.9	41.6	26.1	6.2	1.0	0.5	0.5	217.2
725 / 748			0.6	0.3	1.5	8.7	19.5	28.9	32.7	37.3	22.5	9.2	1.5	1.5	1.0	165.4
748 / 771		0.1	0.1	0.1	0.5	1.5	8.5	11.3	18.5	24.8	15.9	10.2	5.6	1.5	0.5	98.9
771 / 794					0.3	0.7	0.4	2.9	8.2	10.7	8.6	4.6	1.0	0.5	1.0	39.0
794 / 817						0.2	1.0	0.3	0.6	2.2	3.1	3.1	1.0	0.5	1.0	12.9
817 / 840				0.1				0.1	0.6	0.6	1.5	1.0		2.1		5.8
840 / 863									0.1	0.1		1.0	0.5		0.5	2.2
863										0.5		0.1		0.5		1.0
TOTAL	0.2	1.4	5.6	17.9	42.8	85.0	160.7	184.0	179.9	159.9	97.2	41.9	11.8	7.2	4.6	1000.0

TABLE 176
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 101 (STRLGTH) STRAP LENGTH
112 (WSTBLOM) WAIST BACK LENGTH, OMPHALION

MIN / MAX		376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
564																0.0
564 / 587																0.0
587 / 610		0.6		0.6	0.6	0.6		0.6								2.8
610 / 633					5.6	3.9	5.1	2.3	0.6							17.5
633 / 656			0.6	2.8	5.6	10.7	19.7	10.1	7.3	2.8	1.1					60.9
656 / 679			0.6	1.7	6.8	17.5	40.0	30.4	19.7	10.1	6.8	2.8				136.4
679 / 702				2.8	6.8	19.7	32.7	49.0	49.0	32.7	13.5	4.5	1.1			212.0
702 / 725					0.6	8.5	29.9	53.6	50.7	45.7	28.7	6.8	1.1	0.6	0.6	226.6
725 / 748			0.6		0.6	6.8	19.7	30.4	35.5	41.1	24.8	10.1	1.7	1.7	1.1	174.2
748 / 771						0.6	7.9	11.8	20.3	27.1	17.5	11.3	6.2	1.7	0.6	104.8
771 / 794						0.6		2.8	9.0	11.8	9.6	5.1	1.1	0.6	1.1	41.7
794 / 817							1.1		0.6	2.3	3.4	3.4	1.1	0.6	1.1	13.5
817 / 840									0.6	0.6	1.7	1.1		2.3		6.2
840 / 863												1.1	0.6		0.6	2.3
863										0.6				0.6		1.1
TOTAL		0.6	1.7	7.9	26.5	68.8	156.1	191.1	193.3	174.7	107.1	46.2	13.0	7.9	5.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
101 STRLGTH	710.689	40.144	0.531	330.353	0.795	34.028
112 WSTBLOM	478.504	26.817	0.531	226.427	0.355	22.731

TABLE 177
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 101 (STRLGTH) STRAP LENGTH
112 (WSTBLOM) WAIST BACK LENGTH, OMPHALION

MIN / MAX	376	376 / 390	390 / 404	404 / 418	418 / 432	432 / 446	446 / 460	460 / 474	474 / 488	488 / 502	502 / 516	516 / 530	530 / 544	544 / 558	558	TOTAL
564			0.9	1.8	0.9		0.9									4.5
564 / 587	0.5	1.4	0.9	2.7	2.7	1.8	0.9	0.5								11.3
587 / 610	0.9	1.8	4.5	8.2	11.3	10.0	3.2	1.8	0.5	0.5						42.6
610 / 633	0.5	1.4	7.2	20.4	23.6	23.1	20.4	6.8	0.9							104.2
633 / 656		2.7	7.7	29.0	40.3	36.2	27.2	19.0	4.5	2.7						169.4
656 / 679			10.4	17.7	35.3	47.1	47.1	19.5	13.6	2.7	0.9	0.5		0.5		195.2
679 / 702	0.5	0.5	4.5	13.6	35.8	46.2	40.8	19.0	13.6	6.3	0.5	0.5				181.6
702 / 725		0.5	2.7	10.4	22.6	27.6	25.8	22.6	12.7	5.0	2.3	0.5				132.7
725 / 748			0.9	2.7	9.5	25.4	18.1	15.9	7.7	3.2	1.8	0.9				86.1
748 / 771		0.5	0.9	1.4	4.5	9.5	13.6	7.2	2.7	3.6	1.8		0.5			46.2
771 / 794					2.7	1.8	4.1	4.1	1.4	0.5		0.5				14.9
794 / 817						1.8	0.5	2.7	0.9	0.9	0.9					7.7
817 / 840				0.5				0.5	0.5	0.5						1.8
840 / 863									0.9	0.5						1.4
863												0.5				0.5
TOTAL	2.3	8.6	40.8	108.2	189.3	230.5	202.4	119.6	59.8	26.3	8.2	3.2	0.5	0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
101 STRLGTH	678.587	46.244	0.355	382.872	0.668	43.228
112 WSTBLOM	442.524	24.621	0.355	313.983	0.189	23.015

TABLE 178
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 101 (STRLGTH) STRAP LENGTH
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN MAX	742 742	781 781	820 820	859 859	898 898	937 937	976 976	1015 1015	1054 1054	1093 1093	1132 1132	1171 1171	1210 1210	1249 1249	TOTAL
564		0.1	0.2	0.1	0.1										0.5
564 587	0.1	0.1	0.4	0.3	0.3										1.1
587 610		0.3	1.6	2.2	1.9	0.7	0.1								6.8
610 633		0.1	2.0	7.2	8.5	7.1	1.2								26.2
633 656		0.8	2.3	10.2	20.6	23.1	9.9	3.8	1.0						71.8
656 679			0.7	7.7	20.4	48.9	41.6	16.3	5.2	1.5					142.3
679 702			0.3	2.3	17.4	41.6	73.8	45.9	22.0	4.7	0.5		0.5		209.0
702 725				0.8	4.7	25.0	61.4	64.5	38.8	16.4	5.1	0.5			217.2
725 748				0.2	1.4	4.9	22.6	47.5	55.2	21.8	7.2	3.5	0.5	0.5	165.4
748 771					0.3	1.2	7.5	15.9	27.9	27.8	13.3	5.1			98.9
771 794						0.2	0.9	3.3	5.8	12.0	10.7	5.6	0.6		39.0
794 817						0.1	0.1	0.1	2.4	4.2	3.1	2.5	0.5		12.9
817 840							0.1		0.1	0.6	1.5	1.0	2.1	0.5	5.8
840 863							0.1	0.1			0.6	0.5	0.5	0.5	2.2
863												0.1	0.5	0.5	1.0
TOTAL	0.1	1.4	7.6	30.7	75.6	152.6	219.3	197.6	158.4	89.0	41.9	18.9	5.1	0.5 1.5	1000.0

TABLE 179
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 101 (STRLGTH) STRAP LENGTH
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX		742 / 781	781 / 820	820 / 859	859 / 898	898 / 937	937 / 976	976 / 1015	1015 / 1054	1054 / 1093	1093 / 1132	1132 / 1171	1171 / 1210	1210 / 1249	1249	TOTAL
564																0.0
564 / 587																0.0
587 / 610			0.6	0.6	1.1	0.6										2.8
610 / 633			0.6	3.4	5.6	6.8	1.1									17.5
633 / 656		0.6	1.1	5.6	15.8	22.5	10.1	3.9	1.1							60.9
656 / 679				5.1	15.8	47.4	43.4	17.5	5.6	1.7						136.4
679 / 702				0.6	14.7	38.9	77.8	49.6	24.2	5.1	0.6		0.6			212.0
702 / 725					2.8	23.7	64.3	69.3	42.3	18.0	5.6	0.6				226.6
725 / 748					0.6	3.9	22.5	50.2	60.3	23.7	7.9	3.9	0.6		0.6	174.2
748 / 771						0.6	7.3	16.3	29.9	30.4	14.7	5.6				104.8
771 / 794							0.6	3.4	6.2	13.0	11.8	6.2	0.6			41.7
794 / 817									2.3	4.5	3.4	2.8	0.6			13.5
817 / 840										0.6	1.7	1.1	2.3	0.6		6.2
840 / 863											0.6	0.6	0.6		0.6	2.3
863													0.6		0.6	1.1
TOTAL		0.6	2.3	15.2	56.4	144.3	227.2	210.3	171.9	97.0	46.2	20.9	5.6	0.6	1.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
101 STRLGTH	710.689	40.144	0.740	284.130	0.430	27.001
34 CHSTCIRC	991.372	69.059	0.740	161.244	1.448	28.284

TABLE 180
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 101 (STRLGTH) STRAP LENGTH
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX	742	742 / 781	781 / 820	820 / 859	859 / 898	898 / 937	937 / 976	976 / 1015	1015 / 1054	1054 / 1093	1093 / 1132	1132 / 1171	1171 / 1210	1210 / 1249	1249	TOTAL
564 / 587	0.5	0.9	4.1	2.7	3.2											11.3
587 / 610		3.2	10.9	16.3	9.1	1.8	1.4									42.6
610 / 633		1.4	14.9	41.2	34.4	10.0	2.3									104.2
633 / 656		2.3	13.1	51.2	63.9	28.1	8.2	2.7								169.4
656 / 679			7.2	30.8	62.0	62.5	25.4	5.9	1.4							195.2
679 / 702			2.7	17.7	41.2	65.7	38.0	13.1	1.8	1.4						181.6
702 / 725				7.7	22.2	36.2	35.3	21.7	7.2	1.8	0.5					132.7
725 / 748				1.8	8.2	14.0	24.0	23.1	9.5	4.5	0.9					86.1
748 / 771					3.2	6.8	9.1	12.2	10.0	4.1	0.5	0.5				46.2
771 / 794						2.3	3.2	2.7	2.7	3.2	0.5		0.5			14.9
794 / 817						0.5	0.9	0.9	3.6	1.4	0.5					7.7
817 / 840							0.5		0.5	0.5		0.5				1.8
840 / 863							0.5	0.5			0.5					1.4
863												0.5				0.5
TOTAL	0.5	8.2	55.3	170.3	248.2	227.8	148.6	82.9	36.7	16.8	3.2	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

OEPENOENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
101 STRLGTH	678.587	46.244	0.700	216.265	0.510	33.030
34 CHSTCIRC	907.081	63.517	0.700	254.596	0.962	45.367

TABLE 181
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 101 (STRLGTH) STRAP LENGTH
81 (NECKCIRC) NECK CIRCUMFERENCE

MIN / MAX	280	280 / 294	294 / 308	308 / 322	322 / 336	336 / 350	350 / 364	364 / 378	378 / 392	392 / 406	406 / 420	420 / 434	434 / 448	448 / 462	462	TOTAL
564	0.1	0.3	0.1													0.5
564 / 587	0.1	0.3	0.7	0.1	0.1											1.1
587 / 610	0.1	1.2	2.2	0.7	1.6	0.5	0.5									6.8
610 / 633	0.1	1.5	4.7	3.9	2.8	5.7	5.6	1.0	1.0							26.2
633 / 656	0.1	1.6	6.5	6.3	4.4	12.9	26.4	10.2	3.5							71.8
656 / 679	0.1	0.8	5.2	8.5	6.1	16.8	44.7	42.7	14.7	3.1						142.3
679 / 702	0.1	0.5	4.2	8.0	4.6	8.9	43.8	83.2	44.1	10.2	1.5					209.0
702 / 725		0.2	2.0	4.7	4.9	3.5	18.2	70.1	76.1	31.9	4.6	1.0				217.2
725 / 748		0.1	1.0	2.4	3.4	1.4	4.4	31.5	57.3	41.6	19.8	2.5				165.4
748 / 771			0.5	1.0	1.9	0.8	1.3	14.4	26.9	29.4	15.2	6.6	1.0			98.9
771 / 794			0.2	0.2	0.4	0.6	0.1	3.1	7.6	11.7	10.6	4.6				39.0
794 / 817			0.1	0.1	0.2	0.2	0.2	0.6	1.0	3.1	4.6	3.1				12.9
817 / 840						0.1	0.1		0.5	1.5	0.5	1.0	0.5	1.0	0.5	5.8
840 / 863					0.1	0.1		0.1		1.0		1.0				2.2
863								0.1				0.5			0.5	1.0
TOTAL	0.4	6.4	27.1	35.9	30.2	51.3	145.1	256.6	232.8	133.5	56.8	20.3	1.5	1.0	1.0	1000.0

TABLE 182
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 101 (STRLGTH) STRAP LENGTH
81 (NECKCIRC) NECK CIRCUMFERENCE

MIN / MAX	280	294	308	322	336	350	364	378	392	406	420	434	448	462	TOTAL
564															0.0
564 / 587															0.0
587 / 610					1.7	0.6	0.6								2.8
610 / 633				0.6	2.3	6.2	6.2	1.1	1.1						17.5
633 / 656					2.3	14.1	29.3	11.3	3.9						60.9
656 / 679					2.3	17.5	49.6	47.4	16.3	3.4					136.4
679 / 702					0.6	8.5	48.5	92.4	49.0	11.3	1.7				212.0
702 / 725					0.6	2.3	19.7	77.8	84.6	35.5	5.1	1.1			226.6
725 / 748							4.5	34.9	63.7	46.2	22.0	2.8			174.2
748 / 771							1.1	15.8	29.9	32.7	16.9	7.3	1.1		104.8
771 / 794								3.4	8.5	13.0	11.8	5.1			41.7
794 / 817								0.6	1.1	3.4	5.1	3.4			13.5
817 / 840									0.6	1.7	0.6	1.1	0.6	1.1	0.6	6.2
840 / 863										1.1		1.1			2.3
863												0.6		0.6	1.1
TOTAL				0.6	9.6	49.0	159.5	284.7	258.7	148.3	63.1	22.5	1.7	1.1	1.1 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
101 STRLGTH	710.689	40.144	0.710	161.244	1.448	28.284
81 NECKCIRC	379.569	19.686	0.710	132.179	0.348	13.870

TABLE 183
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 101 (STRLGTH) STRAP LENGTH
81 (NECKCIRC) NECK CIRCUMFERENCE

MIN / MAX	280	280 / 294	294 / 308	308 / 322	322 / 336	336 / 350	350 / 364	364 / 378	378 / 392	392 / 406	406 / 420	420 / 434	434 / 448	448 / 462	462	TOTAL
564 / 587	0.5	3.2	6.8	0.5	0.5											11.3
587 / 610	0.9	11.8	21.7	7.2	0.9											42.6
610 / 633	0.5	15.4	46.6	33.5	7.2	0.9										104.2
633 / 656	0.5	15.9	64.8	63.0	23.6	1.8										169.4
656 / 679	0.5	8.2	51.6	84.7	39.9	10.0	0.5									195.2
679 / 702	0.5	4.5	41.7	80.2	40.8	12.7	1.4									181.6
702 / 725		2.3	19.9	47.1	43.9	14.5	4.5	0.5								132.7
725 / 748		0.5	10.0	24.0	34.0	14.0	3.2	0.5								86.1
748 / 771			4.5	10.4	18.6	8.2	2.7	1.8								46.2
771 / 794			1.8	2.3	4.1	5.9	0.9									14.9
794 / 817			0.5	0.5	2.3	1.8	2.3	0.5								7.7
817 / 840						1.4	0.5									1.8
840 / 863					0.5	0.5		0.5								1.4
863								0.5								0.5
TOTAL	3.6	64.3	271.3	353.3	216.0	71.6	15.9	4.1								1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
101 STRLGTH	678.587	46.244	0.538	165.014	1.627	38.997
81 NECKCIRC	315.705	15.288	0.538	195.066	0.178	12.892

TABLE 184
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 101 (STRLGTH) STRAP LENGTH
82 (NECKCRCB) NECK CIRCUMFERENCE, BASE

MIN / MAX	310	324	338	352	366	380	394	408	422	436	450	464	478	492	TOTAL
564	0.1	0.2	0.1												0.5
564 587		0.5	0.4	0.1	0.1										1.1
587 610	0.1	1.3	2.0	1.3	1.7	0.5									6.8
610 633	0.1	1.7	4.3	4.5	3.7	5.8	3.5	1.5	1.0						26.2
633 656	0.2	2.0	6.7	5.1	6.7	17.6	19.3	10.2	4.0						71.8
656 679	0.1	0.8	4.2	9.3	7.5	19.8	44.8	40.6	12.1	2.5	0.5				142.3
679 702	0.1	0.7	3.5	7.4	6.8	13.1	44.9	73.5	46.2	10.2	2.1	0.5			209.0
702 725		0.6	1.5	4.5	4.5	4.1	30.1	70.6	66.0	28.4	4.6	1.5	1.0		217.2
725 748		0.1	1.0	2.5	2.9	1.8	4.9	38.6	52.3	41.1	16.2	4.0			165.4
748 771		0.1	0.3	1.0	1.9	0.9	1.9	13.3	27.0	30.4	14.7	7.1	0.5		98.9
771 794			0.2	0.2	0.5	0.5	0.2	3.1	8.1	12.1	11.2	1.5	1.5		39.0
794 817					0.2	0.3	0.2	1.0	1.5	2.5	5.6	1.5			12.9
817 840					0.1	0.1	0.1		0.5	2.1		1.0	0.5	1.0	0.5 5.8
840 863					0.1		0.1			0.5	1.0	0.5			2.2
863								0.1			0.5				0.5 1.0
TOTAL	0.7	8.1	24.1	35.7	36.6	64.4	149.8	252.4	218.8	129.9	56.3	17.7	3.5	1.0	1.0 1000.0

TABLE 185
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 101 (STRLGTH) STRAP LENGTH
82 (NECKCRCB) NECK CIRCUMFERENCE, BASE

MIN / MAX	310	324	338	352	366	380	394	408	422	436	450	464	478	492	TOTAL
564															0.0
564 / 587															0.0
587 / 610			0.6	1.7	0.6										2.8
610 / 633			1.7	2.8	6.2	3.9	1.7	1.1							17.5
633 / 656				4.5	19.2	21.4	11.3	4.5							60.9
656 / 679			0.6	3.4	20.9	49.6	45.1	13.5	2.8	0.6					136.4
679 / 702				2.3	13.0	49.6	81.7	51.3	11.3	2.3	0.6				212.0
702 / 725					2.8	32.7	78.4	73.3	31.6	5.1	1.7	1.1			226.6
725 / 748						5.1	42.8	58.1	45.7	18.0	4.5				174.2
748 / 771						1.7	14.7	29.9	33.8	16.3	7.9	0.6			104.8
771 / 794							3.4	9.0	13.5	12.4	1.7	1.7			41.7
794 / 817							1.1	1.7	2.8	6.2	1.7				13.5
817 / 840								0.6	2.3		1.1	0.6	1.1	0.6	6.2
840 / 863									0.6	1.1	0.6				2.3
863										0.6				0.6	1.1
TOTAL			2.8	14.7	62.6	164.0	280.2	243.0	144.3	62.6	19.7	3.9	1.1	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
101 STRLGTH	710.689	40.144	0.692	156.940	1.356	28.967
82 NECKCRCB	408.372	20.503	0.692	156.995	0.354	14.794

TABLE 186
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 101 (STRLGTH) STRAP LENGTH
82 (NECKCRCB) NECK CIRCUMFERENCE, BASE

MIN / MAX	310	324	338	352	366	380	394	408	422	436	450	464	478	492	TOTAL
564	0.9	2.3	1.4												4.5
564 587		5.4	4.1	0.9	0.9										11.3
587 610	0.9	13.1	19.9	7.2	1.4										42.6
610 633	1.4	16.8	42.6	29.9	11.3	2.3									104.2
633 656	1.8	19.5	67.0	51.2	26.7	3.2									169.4
656 679	1.4	8.2	41.7	87.4	44.8	10.4	1.4								195.2
679 702	0.9	7.2	35.3	73.8	47.6	14.0	2.7								181.6
702 725		6.3	14.5	44.8	45.3	15.4	6.3								132.7
725 748		0.9	10.0	24.5	29.0	18.1	2.7	0.9							86.1
748 771		0.9	3.2	10.0	18.6	9.1	3.6	0.5	0.5						46.2
771 794			1.8	1.8	5.0	4.5	1.8								14.9
794 817					2.3	2.7	2.3	0.5							7.7
817 840					0.5	0.9	0.5								1.8
840 863					0.9		0.5								1.4
863								0.5							0.5
TOTAL	7.2	80.6	241.4	331.5	234.1	80.6	21.7	2.3	0.5						1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
101 STRLGTH	678.587	46.244	0.527	161.744	1.493	39.304
82 NECKCRCB	346.169	16.330	0.527	219.837	0.186	13.879

TABLE 187
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
104 (THGHCIRC) THIGH CIRCUMFERENCE

MIN / MAX	471	471 / 494	494 / 517	517 / 540	540 / 563	563 / 586	586 / 609	609 / 632	632 / 655	655 / 678	678 / 701	701 / 724	724 / 747	747 / 770	770	TOTAL
1360 / 1399	0.6	0.4	1.3	1.1	0.4	0.1		0.1								3.8
1399 / 1438	1.7	2.2	2.1	3.5	3.1	1.1	0.4	0.1	0.1							14.2
1438 / 1477		2.9	2.2	4.9	5.2	4.4	1.1	0.2								20.9
1477 / 1516		4.5	4.8	14.7	17.7	14.5	5.6	2.0	0.5	0.4						64.5
1516 / 1555	0.1	4.2	10.3	19.2	24.9	20.4	19.4	6.4	2.7	0.3	0.7					108.6
1555 / 1594		0.6	7.3	22.6	29.2	35.0	27.4	16.5	5.8	2.4	0.7					147.4
1594 / 1633			4.1	13.5	27.0	42.7	50.5	36.5	16.0	3.9	1.2	0.6	0.1			195.9
1633 / 1672			1.6	6.6	12.7	29.3	46.4	47.8	25.0	12.3	2.8	0.7	0.1			185.3
1672 / 1711				2.1	5.6	9.7	21.8	35.9	26.6	15.0	4.4	1.7	0.6			123.4
1711 / 1750			0.5	0.5	2.5	5.6	9.1	17.8	12.2	18.0	8.2	3.1		0.6		78.2
1750 / 1789						2.1	1.5	4.6	5.6	10.6	5.1	2.1	1.5	0.5		33.6
1789 / 1828							1.5	0.5	2.5	2.5	3.5	2.5	0.5	0.5		14.2
1828 / 1867							0.5	1.5	0.5	2.1	0.5	1.0	0.5		0.5	7.1
1867											1.0	1.0		0.5		2.5
TOTAL	2.4	14.8	34.4	88.6	128.3	164.8	185.3	169.7	97.5	67.5	28.2	12.6	3.2	2.1	0.5	1000.0

TABLE 188
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
104 (THGHCIRC) THIGH CIRCUMFERENCE

MIN / MAX	471	471 / 494	494 / 517	517 / 540	540 / 563	563 / 586	586 / 609	609 / 632	632 / 655	655 / 678	678 / 701	701 / 724	724 / 747	747 / 770	770	TOTAL
1360																0.0
1360 / 1399	0.6		1.1	0.6												2.3
1399 / 1438	1.7	1.7	1.1	1.7	1.1											7.3
1438 / 1477		2.8	1.1	2.3	1.7	1.7										9.6
1477 / 1516		4.5	3.9	13.0	14.1	11.3	1.7									48.5
1516 / 1555		4.5	10.7	19.2	23.1	16.3	15.2	3.9	1.7		0.6					95.3
1555 / 1594		0.6	7.9	24.2	30.4	34.4	25.9	14.7	4.5	1.7	0.6					144.9
1594 / 1633			4.5	14.7	29.3	45.7	53.6	38.3	15.8	3.4	1.1	0.6				206.9
1633 / 1672			1.7	7.3	14.1	32.1	50.2	51.9	26.5	13.0	2.8	0.6				200.1
1672 / 1711				2.3	6.2	10.7	24.2	39.5	29.3	16.3	4.5	1.7	0.6			135.3
1711 / 1750			0.6	0.6	2.8	6.2	10.1	19.7	13.5	19.7	9.0	3.4		0.6		86.2
1750 / 1789						2.3	1.7	5.1	6.2	11.8	5.6	2.3	1.7	0.6		37.2
1789 / 1828							1.7	0.6	2.8	2.8	3.9	2.8	0.6	0.6		15.8
1828 / 1867							0.6	1.7	0.6	2.3	0.6	1.1	0.6		0.6	7.9
1867											1.1	1.1		0.6		2.8
TOTAL	2.3	14.1	32.7	85.7	122.9	160.7	184.9	175.3	100.9	71.0	29.9	13.5	3.4	2.3	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1631.801	23.220	0.680	988.589	1.078	57.238
104 THGHCIRC	596.512	49.282	0.680	-104.267	0.766	53.709

TABLE 189
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE, USA
104 (THGHCIRC) THIGH CIRCUMFERENCE

MIN / MAX	471	494	517	540	563	586	609	632	655	678	701	724	747	770	TOTAL
1360	0.9		1.4	0.9											3.2
1360 / 1399	0.5	4.1	2.7	5.4	3.6	0.5		0.9							17.7
1399 / 1438	1.8	6.8	10.9	19.9	21.3	10.9	3.6	0.5	0.5						76.1
1438 / 1477		4.1	12.2	28.5	36.2	28.5	11.3	1.8							122.7
1477 / 1516		4.5	12.7	30.3	49.8	43.5	40.3	19.5	4.5	3.6					208.8
1516 / 1555	0.5	1.4	6.8	19.0	40.8	57.5	57.5	28.5	11.8	3.2	1.4				228.3
1555 / 1594		0.5	1.4	8.2	18.6	39.9	41.2	32.6	17.7	9.1	1.4				170.3
1594 / 1633			0.5	2.3	5.9	15.9	22.2	20.8	17.7	8.6	1.8	0.9	0.5		96.9
1633 / 1672			0.9	0.5	0.5	4.5	12.2	10.4	11.8	6.3	3.2	1.8	0.5		52.5
1672 / 1711					0.5	0.9	0.5	3.6	2.3	3.2	3.2	1.4	0.5		15.9
1711 / 1750							0.5	0.9	0.9	2.3	1.4			0.5	6.3
1750 / 1789											0.9	0.5			1.4
1789 / 1828															0.0
1828 / 1867															0.0
1867															0.0
TOTAL	3.6	21.3	49.4	115.0	177.1	202.0	189.3	119.6	67.0	36.2	13.1	4.5	1.4	0.5	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1530.192	69.200	0.622	975.489	0.956	54.175
104 THGHCIRC	580.269	45.055	0.622	-39.818	0.405	35.273

TABLE 190
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 110 (VTCUSA) VERTICAL CHEST CIRCUMFERENCE
114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION

MIN / MAX	604	641	678	715	752	789	826	863	900	937	974	1011	1048	1085	TOTAL
1360 / 1399	0.1	0.5	1.0	0.5	1.2	0.5									3.8
1399 / 1438	0.3	1.5	3.3	4.1	4.4	0.6	0.1								14.2
1438 / 1477	0.1	1.4	5.5	5.7	4.7	2.7	0.8	0.1							20.9
1477 / 1516		1.2	4.9	11.9	20.1	15.3	9.4	1.1	0.6	0.1					64.5
1516 / 1555	0.1	0.7	4.7	11.0	27.0	27.7	22.9	10.3	3.1	1.0					108.6
1555 / 1594	0.1	0.1	1.8	5.3	23.1	38.5	40.7	27.7	6.9	2.7	0.6				147.4
1594 / 1633			0.3	2.3	15.6	39.5	51.2	49.2	24.4	10.8	2.1	0.5			195.9
1633 / 1672		0.1	0.1	0.5	5.9	16.0	37.4	50.9	35.0	24.6	12.2	2.6			185.3
1672 / 1711				0.1	1.2	4.3	19.2	26.0	32.8	19.0	14.8	5.6	0.5		123.4
1711 / 1750					0.1	4.1	6.6	8.8	16.9	21.5	13.7	5.0	1.5		78.2
1750 / 1789						0.1		2.1	4.0	8.1	9.7	5.6	3.5	0.5	33.6
1789 / 1828								0.5	0.5	2.1	3.5	4.0	3.1	0.5	14.2
1828 / 1867									0.5		2.1	1.5	2.1	1.0	7.1
1867													0.5	1.0	1.0	2.5
TOTAL	0.7	5.3	21.8	41.4	103.3	149.4	188.1	176.5	124.9	89.7	58.6	24.9	11.2	2.5	1.5	1000.0

TABLE 191
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 110 (VTCUSA) VERTICAL CHEST CIRCUMFERENCE
114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION

MIN / MAX	604 / 604	641 / 641	678 / 678	715 / 715	752 / 752	789 / 789	826 / 826	863 / 863	900 / 900	937 / 937	974 / 974	1011 / 1011	1048 / 1048	1085 / 1085	TOTAL
1360															0.0
1360 / 1399		0.6		1.1	0.6										2.3
1399 / 1438		0.6	2.3	3.9	0.6										7.3
1438 / 1477		2.3	1.7	2.3	2.8	0.6									9.6
1477 / 1516		0.6	5.6	16.9	14.1	9.6	1.1	0.6							48.5
1516 / 1555		1.1	5.6	23.1	26.5	23.7	10.7	3.4	1.1						95.3
1555 / 1594			1.1	21.4	38.9	42.8	29.9	7.3	2.8	0.6					144.9
1594 / 1633			1.1	14.7	41.7	54.7	53.6	26.5	11.8	2.3	0.6				206.9
1633 / 1672				5.6	16.3	40.6	55.8	38.3	27.1	13.5	2.8				200.1
1672 / 1711				1.1	4.5	20.9	28.7	36.1	20.9	16.3	6.2	0.6			135.3
1711 / 1750					4.5	7.3	9.6	18.6	23.7	15.2	5.6	1.7			86.2
1750 / 1789							2.3	4.5	9.0	10.7	6.2	3.9	0.6		37.2
1789 / 1828							0.6	0.6	2.3	3.9	4.5	3.4		0.6	15.8
1828 / 1867								0.6		2.3	1.7	2.3	1.1		7.9
1867												0.6	1.1	1.1	2.8
TOTAL		5.1	17.5	90.2	150.5	200.1	192.2	136.4	98.6	64.8	27.6	12.4	2.8	1.7	1000.0

BIVARIAIE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1631.801	78.091	0.726	988.471	0.766	53.709
114 WSCIRCNI	839.912	74.028	0.726	-283.303	0.688	50.915

TABLE 192
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION

MIN / MAX	604	641	678	715	752	789	826	863	900	937	974	1011	1048	1085	TOTAL
1360 / 1399	0.5		2.7												3.2
1399 / 1438	1.4	4.5	5.0	5.0	1.8										17.7
1438 / 1477	2.7	14.5	27.6	20.8	9.1	0.9	0.5								76.1
1477 / 1516	1.4	14.0	34.0	41.7	26.7	1.8	2.7	0.5							122.7
1516 / 1555		11.8	43.9	68.8	48.5	26.3	7.2	0.9	0.9	0.5					208.8
1555 / 1594	0.5	7.2	37.1	59.8	62.5	38.5	15.4	6.3	0.9						228.3
1594 / 1633	0.5	0.9	17.7	42.6	38.5	35.3	22.2	7.7	3.2	1.4	0.5				170.3
1633 / 1672			3.2	13.1	24.0	19.5	19.5	9.5	5.9	2.3					96.9
1672 / 1711		0.5	0.9	4.5	8.2	13.6	9.1	7.2	5.0	2.3	0.9	0.5			52.5
1711 / 1750				0.5	1.8	2.3	3.6	1.4	3.6	1.8	0.9				15.9
1750 / 1789					0.5	0.9	0.5	1.4	1.8	1.4					6.3
1789 / 1828						0.5					0.9				1.4
1828 / 1867															0.0
1867															0.0
															0.0
TOTAL	6.8	53.4	172.1	256.8	221.5	139.5	80.6	34.9	21.3	9.5	3.2	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1530.192	69.200	0.596	1055.293	0.655	55.569
114 WSCIRCNI	725.522	63.028	0.596	-105.394	0.543	50.614

TABLE 193
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION

MIN / MAX	644	644 / 683	683 / 722	722 / 761	761 / 800	800 / 839	839 / 878	878 / 917	917 / 956	956 / 995	995 / 1034	1034 / 1073	1073 / 1112	1112 / 1151	1151	TOTAL
1360		0.2	0.1	0.1												0.3
1360 / 1399	0.1	1.1	1.3	1.0	0.2	0.1		0.1								3.8
1399 / 1438	0.4	2.5	4.8	3.8	1.8	0.5	0.2									14.2
1438 / 1477	0.2	2.5	6.5	5.8	3.7	1.4	0.4	0.2	0.1							20.9
1477 / 1516	0.1	0.9	14.6	21.5	13.8	8.2	3.8	1.4	0.2	0.1		0.1				64.5
1516 / 1555	0.1	1.7	9.3	22.8	30.1	23.4	12.8	5.9	1.8	0.7	0.1					108.6
1555 / 1594		0.3	2.9	22.1	38.9	38.9	26.9	12.2	4.3	0.8	0.3	0.1				147.4
1594 / 1633		0.1	1.3	8.7	41.9	44.7	48.0	29.5	15.0	5.2	1.4	0.1	0.1			195.9
1633 / 1672		0.1	0.1	5.8	11.1	33.1	42.8	41.3	26.1	19.8	4.4	0.8				185.3
1672 / 1711					3.1	12.4	25.0	29.6	22.5	17.6	9.0	3.6	0.5			123.4
1711 / 1750					3.5	6.1	5.7	11.9	15.8	21.4	8.2	3.1	2.6			78.2
1750 / 1789							1.5	2.5	3.1	12.1	9.1	4.0	1.1			33.6
1789 / 1828									2.1	2.1	4.0	3.5	1.5	0.5	0.5	14.2
1828 / 1867									0.5		2.1	2.5	1.0	0.5	0.5	7.1
1867													1.5	0.5	0.5	2.5
TOTAL	0.9	9.3	41.1	91.6	148.2	168.8	167.2	134.3	91.5	79.5	38.4	17.8	8.3	1.5	1.5	1000.0

TABLE 194
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION

MIN / MAX	644	683	722	761	800	839	878	917	956	995	1034	1073	1112	1151	TOTAL
	644	683	722	761	800	839	878	917	956	995	1034	1073	1112	1151	
1360															0.0
1360 1399		0.6	1.1	0.6											2.3
1399 1438		1.1	3.4	1.7	1.1										7.3
1438 1477		1.1	3.9	2.8	1.7										9.6
1477 1516			11.3	18.6	10.1	5.6	2.3	0.6							48.5
1516 1555		1.1	7.3	20.3	27.6	20.9	11.3	5.1	1.1	0.6					95.3
1555 1594			1.7	21.4	39.5	39.5	27.1	11.8	3.4	0.6					144.9
1594 1633			1.1	9.0	44.5	47.9	51.3	31.6	15.2	5.1	1.1				206.9
1633 1672				6.2	11.8	35.5	46.8	45.1	28.2	21.4	4.5	0.6			200.1
1672 1711					3.4	13.5	27.6	32.7	24.8	19.2	9.6	3.9	0.6		135.3
1711 1750					3.9	6.8	6.2	13.0	17.5	23.7	9.0	3.4	2.8		86.2
1750 1789							1.7	2.8	3.4	13.5	10.1	4.5	1.1		37.2
1789 1828									2.3	2.3	4.5	3.9	1.7	0.6	0.6	15.8
1828 1867									0.6		2.3	2.8	1.1	0.6	0.6	7.9
1867													1.7	0.6	0.6	2.8
TOTAL		3.9	29.9	80.6	143.7	169.7	174.2	142.6	96.4	86.2	41.1	19.2	9.0	1.7	1.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1631.801	78.091	0.750	1047.465	0.678	51.695
115 WSCIRCOM	862.423	86.404	0.750	-491.147	0.829	57.198

TABLE 195
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION

MIN / MAX	644	683	722	761	800	839	878	917	956	995	1034	1073	1112	1151	TOTAL
1360		1.8	0.5	0.9											3.2
1360 / 1399	0.9	5.9	3.2	4.1	1.8	1.4		0.5							17.7
1399 / 1438	4.1	15.4	17.7	23.1	8.2	5.4	2.3								76.1
1438 / 1477	2.3	15.4	30.3	33.1	21.3	13.6	4.1	1.8	0.9						122.7
1477 / 1516	0.9	9.1	44.4	47.1	47.1	31.3	17.7	8.2	1.8	0.9		0.5			208.8
1516 / 1555	0.5	6.8	27.6	45.3	53.0	45.7	26.7	12.7	8.2	1.4	0.5				228.3
1555 / 1594		2.7	14.0	28.1	33.1	33.5	25.4	15.4	12.2	2.3	2.7	0.9			170.3
1594 / 1633		0.5	3.2	5.9	18.6	15.9	18.1	10.9	13.6	5.9	3.6	0.5	0.5		96.9
1633 / 1672		0.5	0.9	2.7	5.0	11.3	7.2	6.8	7.2	5.4	3.2	2.3			52.5
1672 / 1711					0.9	2.3	1.8	1.8	2.3	2.7	3.2	0.9			15.9
1711 / 1750							0.9	1.8	0.9	0.9	1.4		0.5		6.3
1750 / 1789									0.5				0.9		1.4
1789 / 1828															0.0
1828 / 1867															0.0
1867															0.0
TOTAL	8.6	58.0	141.8	190.2	188.9	160.3	104.2	59.8	47.6	19.5	14.5	5.0	1.8		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1530.192	69.200	0.581	1145.646	0.486	56.362
115 WSCIRCOM	791.884	82.716	0.581	-269.802	0.694	67.370

TABLE 196
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
12 (BICIRCFL) BICEPS CIRCUMFERENCE, FLEXED

MIN / MAX	227	227 / 242	242 / 257	257 / 272	272 / 287	287 / 302	302 / 317	317 / 332	332 / 347	347 / 362	362 / 377	377 / 392	392 / 407	407 / 422	422	TOTAL
1360		0.1	0.1	0.1												0.3
1360 / 1399	0.1	0.3	0.5	0.5	0.9		0.5	0.5	0.5							3.8
1399 / 1438	0.1	0.8	1.9	3.6	2.4	1.6	1.7	1.6	0.5							14.2
1438 / 1477	0.1	0.6	2.1	6.0	3.5	2.5	2.9	2.5			0.5					20.9
1477 / 1516	0.1	0.8	2.7	6.1	9.5	8.6	13.3	13.0	8.8	1.0	0.5					64.5
1516 / 1555		0.4	2.3	6.8	8.9	19.0	29.7	23.6	10.2	5.6	1.0	1.0				108.6
1555 / 1594		0.1	0.5	3.8	7.5	17.1	28.3	42.5	22.0	16.8	7.1	0.5	0.5	0.5		147.4
1594 / 1633			0.3	1.9	5.8	14.4	32.5	47.3	45.4	27.4	14.7	4.0	1.0	0.5	0.5	195.9
1633 / 1672			0.2	0.7	1.5	5.4	19.9	38.7	50.0	35.0	23.3	7.1	2.1	1.5		185.3
1672 / 1711			0.1		1.1	1.4	10.5	20.0	32.7	28.1	17.3	4.6	4.0	3.1	0.5	123.4
1711 / 1750						0.1	3.8	10.4	21.4	17.3	11.7	8.1	5.0	0.5		78.2
1750 / 1789							0.5	4.7	3.1	8.1	8.6	5.6	1.5	1.0	0.5	33.6
1789 / 1828								0.5	1.5	4.6	3.5	2.1	0.5	0.5	1.0	14.2
1828 / 1867									1.5	0.5	1.5	2.1	1.0	0.5		7.1
1867											0.5	0.5	0.5	0.5	0.5	2.5
TOTAL	0.3	3.1	10.7	29.6	41.2	70.2	143.9	205.3	197.6	144.5	90.4	35.5	16.2	8.6	3.1	1000.0

TABLE 197
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
12 (BICIRCFL) BICEPS CIRCUMFERENCE, FLEXED

MIN / MAX	227	242	257	272	287	302	317	332	347	362	377	392	407	422	TOTAL
1360															0.0
1360 / 1399					0.6		0.6	0.6	0.6						2.3
1399 / 1438				1.7	0.6	1.1	1.7	1.7	0.6						7.3
1438 / 1477				2.3		1.1	2.8	2.8			0.6				9.6
1477 / 1516				1.1	2.8	5.6	13.5	14.1	9.6	1.1	0.6				48.5
1516 / 1555				1.1	2.8	15.8	30.4	25.4	11.3	6.2	1.1	1.1			95.3
1555 / 1594				0.6	3.4	13.5	28.7	46.2	24.2	18.6	7.9	0.6	0.6	0.6	144.9
1594 / 1633				0.6	3.9	13.5	33.8	51.3	50.2	30.4	16.3	4.5	1.1	0.6	0.6	206.9
1633 / 1672				0.6	0.6	4.5	20.9	41.7	55.2	38.9	25.9	7.9	2.3	1.7		200.1
1672 / 1711					1.1	1.1	11.3	22.0	36.1	31.0	19.2	5.1	4.5	3.4	0.6	135.3
1711 / 1750							3.9	11.3	23.7	19.2	13.0	9.0	5.6	0.6		86.2
1750 / 1789							0.6	5.1	3.4	9.0	9.6	6.2	1.7	1.1	0.6	37.2
1789 / 1828								0.6	1.7	5.1	3.9	2.3	0.6	0.6	1.1	15.8
1828 / 1867									1.7	0.6	1.7	2.3	1.1	0.6		7.9
1867											0.6	0.6	0.6	0.6	0.6	2.8
TOTAL			7.9	15.8	56.4	148.3	222.7	218.2	160.1	100.3	39.5	18.0	9.6	3.4	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1631.801	78.091	0.518	1128.343	1.492	66.818
12 BICIRCFL	337.473	27.113	0.518	44.025	0.180	23.199

TABLE 198
BIVARIATE FREQUENCY TABLE-FENALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
12 (BICIRCFL) BICEPS CIRCUMFERENCE, FLEXED

MIN / MAX		227 / 242	242 / 257	257 / 272	272 / 287	287 / 302	302 / 317	317 / 332	332 / 347	347 / 362	362 / 377	377 / 392	392 / 407	407 / 422	422	TOTAL
1360		0.5	1.4	1.4												3.2
1360 / 1399	0.5	3.2	5.0	5.4	3.6											17.7
1399 / 1438	0.9	8.2	19.0	20.8	18.6	6.3	1.8	0.5								76.1
1438 / 1477	0.9	6.3	21.3	39.4	35.3	15.4	4.1									122.7
1477 / 1516	0.5	7.7	26.7	51.6	70.2	35.3	11.8	3.6	1.4							208.8
1516 / 1555		3.6	23.1	58.4	63.9	47.6	23.6	7.7		0.5						228.3
1555 / 1594		1.4	5.4	33.1	44.4	49.4	24.5	9.1	2.3	0.9						170.3
1594 / 1633			2.7	13.1	23.1	22.6	21.3	11.3	2.3		0.5					96.9
1633 / 1672			1.8	1.4	9.1	13.6	11.3	11.8	3.6							52.5
1672 / 1711			0.5		1.4	3.6	3.6	2.3	2.3	1.8	0.5					15.9
1711 / 1750						0.9	2.7	1.8	0.5	0.5						6.3
1750 / 1789								0.9		0.5						1.4
1789 / 1828																0.0
1828 / 1867																0.0
1867																0.0
TOTAL	2.7	30.8	106.9	224.6	269.5	194.7	104.6	48.9	12.2	4.1	0.9					1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1530.192	69.200	0.519	1085.441	1.581	59.176
12 BICIRCFL	281.328	22.705	0.519	20.904	0.170	19.416

TABLE 199
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 110 (VTCUSA) VERTICAL TRUCK CIRCUMFERENCE (USA)
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN / MAX	811	811 842	842 873	873 904	904 935	935 966	966 997	997 1028	1028 1059	1059 1090	1090 1121	1121 1152	1152 1183	1183 1214	1214	TOTAL
1360		0.1	0.1	0.1												0.3
1360 1399	0.5	0.8	1.2	1.0	0.3	0.1	0.1									3.8
1399 1438	0.6	2.5	3.3	4.0	2.6	1.0	0.2	0.1								14.2
1438 1477		1.0	3.7	5.9	5.3	3.7	1.1	0.1								20.9
1477 1516		0.5	9.0	17.0	18.3	11.4	5.8	1.9	0.5		0.1					64.5
1516 1555		0.5	7.2	17.1	33.7	29.6	12.2	5.5	2.6	0.1		0.1				108.6
1555 1594			1.5	14.0	41.8	46.8	22.0	13.8	5.8	1.4	0.1	0.1				147.4
1594 1633				2.5	25.6	53.1	58.8	38.2	14.0	2.2	1.4	0.2				195.9
1633 1672				1.6	11.7	28.1	48.7	54.0	26.8	12.8	1.3	0.3	0.1			185.3
1672 1711					3.1	7.2	24.5	37.1	30.3	16.1	2.7	2.4	0.1	0.1		123.4
1711 1750					1.0	2.1	6.6	17.7	20.4	21.6	6.3	2.6	0.1			78.2
1750 1789							2.1	3.1	8.1	9.1	7.2	3.6	0.5			33.6
1789 1828							0.5	1.0	1.5	3.1	4.6	3.1			0.5	14.2
1828 1867								1.0		1.0	3.1	1.0	0.5		0.5	7.1
1867											0.5	1.0	0.5		0.5	2.5
TOTAL	1.1	5.5	25.9	63.1	143.3	182.9	182.5	173.7	110.0	67.3	27.1	14.3	1.8	0.1	1.5	1000.0

TABLE 200
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 110 (VTCUSA) VERTICAL TRUCK CIRCUMFERENCE (USA)
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN / MAX	811	842	873	904	935	966	997	1028	1059	1090	1121	1152	1183	1214	TOTAL
1360															0.0
1360 / 1399	0.6	0.6	0.6	0.6											2.3
1399 / 1438	0.6	2.3	2.3	1.7	0.6										7.3
1438 / 1477		1.1	2.8	3.4	1.1	1.1									9.6
1477 / 1516		0.6	9.0	15.8	15.2	6.2	1.7								48.5
1516 / 1555		0.6	7.9	17.5	33.8	25.9	6.8	1.7	1.1						95.3
1555 / 1594			1.7	15.2	45.1	48.5	19.7	10.1	3.9	0.6					144.9
1594 / 1633				2.8	28.2	58.1	63.1	39.5	13.0	1.1	1.1				206.9
1633 / 1672				1.7	13.0	31.0	53.6	58.6	28.2	13.0	1.1				200.1
1672 / 1711					3.4	7.9	27.1	41.1	33.3	17.5	2.8	2.3			135.3
1711 / 1750					1.1	2.3	7.3	19.7	22.5	23.7	6.8	2.8			86.2
1750 / 1789							2.3	3.4	9.0	10.1	7.9	3.9	0.6		37.2
1789 / 1828							0.6	1.1	1.7	3.4	5.1	3.4		0.6	15.8
1828 / 1867								1.1		1.1	3.4	1.1	0.6	0.6	7.9
1867											0.6	1.1	0.6	0.6	2.8
TOTAL	1.1	5.1	24.2	58.6	141.5	180.9	182.1	176.4	112.7	70.5	28.7	14.7	1.7	1.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1631.801	78.091	0.788	658.287	0.990	48.090
24 BUTTCIRC	983.669	62.180	0.788	-40.225	0.627	38.291

TABLE 201
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN / MAX	811	842	873	904	935	966	997	1028	1059	1090	1121	1152	1183	1214	TOTAL
1360		1.4	0.9	0.9											3.2
1360 / 1399		2.7	6.3	4.5	2.7	0.9	0.5								17.7
1399 / 1438	0.9	4.5	11.8	24.9	20.8	10.0	1.8	1.4							76.1
1438 / 1477		0.5	12.2	28.1	42.6	26.7	11.3	1.4							122.7
1477 / 1516			8.6	28.1	46.2	58.0	43.0	19.0	5.4		0.5				208.8
1516 / 1555			0.9	13.1	33.1	63.4	60.7	39.9	15.9	0.9		0.5			228.3
1555 / 1594				3.6	11.8	31.7	43.0	47.1	22.6	8.6	1.4	0.5			170.3
1594 / 1633					1.8	8.2	20.4	26.3	22.6	11.8	4.1	1.8			96.9
1633 / 1672				0.5		1.8	4.5	12.7	14.5	11.3	3.2	3.2	0.9		52.5
1672 / 1711						0.5	0.9	1.4	3.2	3.6	1.8	3.2	0.9	0.5	15.9
1711 / 1750									1.4	2.7	1.4	0.5	0.5		6.3
1750 / 1789											0.5	0.9			1.4
1789 / 1828															0.0
1828 / 1867															0.0
1867															0.0
TOTAL	0.9	9.1	40.8	103.7	159.0	201.1	186.1	149.0	85.6	38.9	12.7	10.4	2.3	0.5	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1530.192	69.200	0.733	715.078	0.843	47.069
24 BUTTCIRC	966.885	60.183	0.733	-8.844	0.638	40.936

TABLE 202
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 29 (CALFCIRC) CALF CIRCUMFERENCE
110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)

MIN / MAX	1360	1360 / 1399	1399 / 1438	1438 / 1477	1477 / 1516	1516 / 1555	1555 / 1594	1594 / 1633	1633 / 1672	1672 / 1711	1711 / 1750	1750 / 1789	1789 / 1828	1828 / 1867	1867	TOTAL
293		0.1	0.1	0.1	0.1											0.2
293 / 306	0.1	0.2	1.2	0.5	1.1	0.7	0.1		0.5							4.2
306 / 319	0.1	1.0	1.3	2.3	1.6	1.7	0.9	0.1		0.1						8.8
319 / 332	0.1	0.5	4.7	3.1	10.6	8.8	5.4	2.4	1.2	0.7						37.4
332 / 345	0.1	0.8	3.8	5.6	12.5	21.7	15.8	11.1	4.3	3.1	1.0					79.5
345 / 358	0.1	0.7	2.2	5.5	14.1	30.3	29.0	28.3	14.8	7.3	1.0	0.5				133.7
358 / 371		0.6	1.0	3.2	18.0	19.1	38.3	43.9	34.5	13.4	5.7	2.6				180.0
371 / 384			0.1	0.3	4.4	15.2	30.8	47.5	46.1	22.0	13.4	2.5	1.5			183.9
384 / 397				0.6	2.0	7.9	17.0	38.8	37.7	32.2	21.5	6.2	1.0	1.5		166.5
397 / 410					0.1	2.7	9.0	18.7	30.3	23.5	17.4	8.1	3.1	1.0	0.5	114.4
410 / 423					0.1	0.7	1.2	3.1	12.8	15.9	8.6	6.1	4.0	2.1		54.7
423 / 436								1.5	3.1	4.6	6.6	3.1	3.5	2.1	1.5	26.0
436 / 449								0.5			3.1	4.0	0.5			8.1
449 / 462										0.6		0.5		0.5		1.6
462													0.5		0.5	1.0
TOTAL	0.3	3.8	14.2	20.9	64.5	108.6	147.4	195.9	185.3	123.4	78.2	33.6	14.2	7.1	2.5	1000.0

TABLE 203
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 29 (CALFCIRC) CALF CIRCUMFERENCE
110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)

MIN / MAX	1360	1360 / 1399	1399 / 1438	1438 / 1477	1477 / 1516	1516 / 1555	1555 / 1594	1594 / 1633	1633 / 1672	1672 / 1711	1711 / 1750	1750 / 1789	1789 / 1828	1828 / 1867	1867	TOTAL
293																0.0
293 / 306			0.6		0.6	0.6			0.6							2.3
306 / 319		0.6		1.7	0.6	1.1	0.6									4.5
319 / 332			3.4	0.6	7.9	6.2	5.1	2.3	1.1	0.6						27.1
332 / 345		0.6	1.7	2.3	9.0	18.6	14.7	11.3	4.5	3.4	1.1					67.1
345 / 358		0.6	1.1	2.3	10.7	27.1	27.6	29.3	15.8	7.9	1.1	0.6				124.0
358 / 371		0.6	0.6	2.3	14.7	16.3	37.8	45.7	37.2	14.7	6.2	2.8				178.7
371 / 384					3.4	14.1	30.4	50.7	49.6	24.2	14.7	2.8	1.7			191.7
384 / 397				0.6	1.7	7.9	18.0	41.7	40.6	35.5	23.7	6.8	1.1	1.7		179.3
397 / 410						2.8	9.6	20.3	33.3	25.9	19.2	9.0	3.4	1.1	0.6	125.1
410 / 423						0.6	1.1	3.4	14.1	17.5	9.6	6.8	4.5	2.3		59.8
423 / 436								1.7	3.4	5.1	7.3	3.4	3.9	2.3	1.7	28.7
436 / 449								0.6			3.4	4.5	0.6			9.0
449 / 462										0.6		0.6		0.6		1.7
462													0.6		0.6	1.1
TOTAL		2.3	7.3	9.6	48.5	95.3	144.9	206.9	200.1	135.3	86.2	37.2	15.8	7.9	2.8	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
29 CALFCIRC	378.057	25.436	0.616	50.802	0.201	20.049
110 VTCUSA	1631.801	78.091	0.616	917.166	1.890	61.551

TABLE 204
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 29 (CALFCIRC) CALF CIRCUMFERENCE
110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)

MIN / MAX	1360	1360 / 1399	1399 / 1438	1438 / 1477	1477 / 1516	1516 / 1555	1555 / 1594	1594 / 1633	1633 / 1672	1672 / 1711	1711 / 1750	1750 / 1789	1789 / 1828	1828 / 1867	1867	TOTAL
293		0.5	0.9	0.5	0.5											2.3
293 / 306	0.5	2.3	6.3	5.0	5.4	1.4	0.5									21.3
306 / 319	0.9	5.0	12.7	7.2	10.4	6.8	3.6	0.5		0.5						47.6
319 / 332	0.9	5.0	16.3	25.8	35.3	31.7	8.2	3.2	2.3	1.4						130.0
332 / 345	0.5	2.7	22.6	34.9	43.9	49.4	25.8	9.1	2.3							191.1
345 / 358	0.5	1.8	11.8	34.4	44.8	59.3	41.2	19.0	5.4	2.3	0.5					221.0
358 / 371		0.5	4.5	11.3	48.0	43.9	43.0	27.6	10.0	1.8	0.9	0.5				192.0
371 / 384			0.9	2.7	13.1	24.9	34.0	19.0	14.9	2.3	1.8					113.7
384 / 397				0.9	5.0	7.7	8.2	13.1	11.8	2.7	1.8	0.5				51.6
397 / 410					0.9	1.8	3.6	4.5	3.6	2.3	0.9	0.5				18.1
410 / 423					1.4	1.4	2.3	0.9	1.4	1.4						8.6
423 / 436									0.9	0.5	0.5					1.8
436 / 449																0.0
449 / 462										0.9						0.9
462																0.0
TOTAL	3.2	17.7	76.1	122.7	208.8	228.3	170.3	96.9	52.5	15.9	6.3	1.4				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
29 CALFCIRC	352.380	23.156	0.534	78.898	0.179	19.581
110 VTCUSA	1530.192	69.200	0.534	967.754	1.596	58.516

TABLE 205
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX	742	742 / 781	781 / 820	820 / 859	859 / 898	898 / 937	937 / 976	976 / 1015	1015 / 1054	1054 / 1093	1093 / 1132	1132 / 1171	1171 / 1210	1210 / 1249	1249	TOTAL
1360			0.1	0.1	0.1											0.3
1360 / 1399	0.1	0.2	0.3	1.3	0.9	1.1										3.8
1399 / 1438		0.2	1.6	4.8	5.4	2.1	0.1	0.1								14.2
1438 / 1477		0.6	2.8	5.0	6.1	4.6	1.0	0.7								20.9
1477 / 1516		0.2	1.6	9.4	17.5	18.3	15.1	2.3	0.1							64.5
1516 / 1555		0.1	1.0	6.3	19.8	37.3	28.3	13.1	2.4	0.6						108.6
1555 / 1594		0.1	0.1	2.5	13.0	44.4	45.8	28.9	8.5	3.2	0.5	0.5				147.4
1594 / 1633			0.1	1.2	9.4	26.0	71.4	48.2	32.5	7.1						195.9
1633 / 1672				0.1	3.4	14.1	34.6	55.7	47.9	20.3	7.2	2.1	0.1			185.3
1672 / 1711						4.2	15.4	30.3	38.4	24.2	8.2	1.6	1.0			123.4
1711 / 1750						0.5	7.7	13.9	21.0	20.4	11.2	3.5				78.2
1750 / 1789						0.1		4.0	4.0	10.7	8.1	6.2	0.5			33.6
1789 / 1828								0.5	3.1	2.1	3.5	2.5	2.1		0.5	14.2
1828 / 1867									0.5	0.5	3.1	2.1	0.5		0.5	7.1
1867												0.5	1.0	0.5	0.5	2.5
TOTAL	0.1	1.4	7.6	30.7	75.6	152.6	219.3	197.6	158.4	89.0	41.9	18.9	5.1	0.5	1.5	1000.0

TABLE 206
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX	742	742 / 781	781 / 820	820 / 859	859 / 898	898 / 937	937 / 976	976 / 1015	1015 / 1054	1054 / 1093	1093 / 1132	1132 / 1171	1171 / 1210	1210 / 1249	1249	TOTAL
1360																0.0
1360 / 1399				0.6	0.6	1.1										2.3
1399 / 1438				1.7	3.9	1.7										7.3
1438 / 1477		0.6	1.7	1.1	2.3	2.8	0.6	0.6								9.6
1477 / 1516			0.6	5.6	11.3	15.2	14.1	1.7								48.5
1516 / 1555				3.4	15.8	33.3	27.6	12.4	2.3	0.6						95.3
1555 / 1594				1.7	10.1	44.0	46.2	29.9	8.5	3.4	0.6	0.6				144.9
1594 / 1633				1.1	9.0	26.5	76.7	51.3	34.9	7.3						206.9
1633 / 1672					3.4	14.7	36.6	60.9	52.4	22.0	7.9	2.3				200.1
1672 / 1711						4.5	16.9	33.3	42.3	26.5	9.0	1.7	1.1			135.3
1711 / 1750						0.6	8.5	15.2	23.1	22.5	12.4	3.9				86.2
1750 / 1789								4.5	4.5	11.8	9.0	6.8	0.6			37.2
1789 / 1828								0.6	3.4	2.3	3.9	2.8	2.3		0.6	15.8
1828 / 1867									0.6	0.6	3.4	2.3	0.6		0.6	7.9
1867												0.6	1.1	0.6	0.6	2.8
TOTAL		0.6	2.3	15.2	56.4	144.3	227.2	210.3	171.9	97.0	46.2	20.9	5.6	0.6	1.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1631.801	78.091	0.723	821.298	0.818	53.964
34 CHSTCIRC	991.372	69.059	0.723	-51.956	0.639	47.723

TABLE 207
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
39 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
1360				0.9	0.9		0.5	0.9							3.2
1360 / 1399			2.3	3.2	6.3	3.6	0.5	1.4	0.5						17.7
1399 / 1438		0.9	3.2	9.5	20.8	27.6	10.9	3.2							76.1
1438 / 1477		0.9	2.7	16.8	31.7	33.5	23.1	10.4	2.3	1.4					122.7
1477 / 1516			5.4	21.3	44.4	67.9	45.7	19.5	3.6	0.9					208.8
1516 / 1555	0.5		3.6	18.1	55.7	59.8	50.3	29.0	7.7	3.2		0.5			228.3
1555 / 1594			3.2	9.1	31.3	47.6	48.9	22.2	5.9	1.4	0.9				170.3
1594 / 1633		0.5	0.5	4.5	14.0	28.5	27.6	14.0	5.0	1.8	0.5				96.9
1633 / 1672			0.5	1.8	5.4	15.9	13.1	8.6	5.4	1.8					52.5
1672 / 1711			0.5	0.5		5.0	4.1	3.6	2.3						15.9
1711 / 1750					0.5	1.8	1.8	1.8	0.5						6.3
1750 / 1789							0.9			0.5					1.4
1789 / 1828															0.0
1828 / 1867															0.0
1867															0.0
TOTAL	0.5	2.3	21.7	85.6	211.1	291.2	227.4	114.6	33.1	10.9	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1530.192	69.200	0.632	905.499	0.689	53.632
34 CHSTCIRC	887.042	53.226	0.632	19.227	0.580	49.228

TABLE 208
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	622 / 654	654 / 686	686 / 718	718 / 750	750 / 782	782 / 814	814 / 846	846 / 878	878 / 910	910 / 942	942 / 974	974 / 1006	1006 / 1038	1038	TOTAL
1360				0.1	0.1		0.1	0.1								0.3
1360 / 1399			0.2	0.3	0.6	1.4	0.1	1.1	0.1							3.8
1399 / 1438		0.1	0.9	0.9	2.6	3.8	3.2	1.3	1.5							14.2
1438 / 1477		0.1	0.3	1.7	3.7	5.9	4.4	1.6	2.8	0.1	0.5					20.9
1477 / 1516			0.5	3.1	7.9	12.9	17.3	12.6	7.5	1.6	1.0					64.5
1516 / 1555	0.1		0.4	2.4	9.1	18.7	28.3	28.3	12.5	5.9	3.1	0.1				108.6
1555 / 1594			0.3	2.4	5.2	20.5	38.9	36.7	25.4	11.8	5.1	1.0				147.4
1594 / 1633		0.1	0.1	0.5	4.5	19.0	39.7	58.2	38.6	22.0	9.7	3.5				195.9
1633 / 1672			0.1	0.7	3.6	16.8	34.8	51.6	42.7	22.0	10.6	1.0	1.0		0.5	185.3
1672 / 1711			0.1	0.6	0.5	4.5	25.8	33.3	31.2	17.7	9.6					123.4
1711 / 1750					0.6	2.7	7.8	27.5	20.8	14.2	3.1	0.5	0.5	0.5		78.2
1750 / 1789					0.5	1.5	2.2	8.1	11.7	6.6	3.1					33.6
1789 / 1828							1.0	3.1	4.6	3.5	0.5	1.5				14.2
1828 / 1867						0.5	0.5	1.0	2.1	1.5	1.5					7.1
1867								1.0		1.0		0.5				2.5
TOTAL	0.1	0.2	2.7	12.6	38.8	108.2	203.8	265.6	201.1	108.1	47.8	8.1	1.5	0.5	0.5	1000.0

TABLE 209
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
1360															0.0
1360 / 1399						1.1		1.1							2.3
1399 / 1438			0.6		0.6	1.1	2.3	1.1	1.7						7.3
1438 / 1477					0.6	2.8	2.3	0.6	2.8		0.6				9.6
1477 / 1516				1.1	3.9	6.8	14.1	11.8	7.9	1.7	1.1				48.5
1516 / 1555				0.6	3.9	14.1	25.9	28.2	13.0	6.2	3.4				95.3
1555 / 1594				1.7	2.3	17.5	37.8	38.3	27.6	13.0	5.6	1.1			144.9
1594 / 1633					3.4	18.0	41.1	63.1	42.3	24.2	10.7	3.9			206.9
1633 / 1672				0.6	3.4	16.9	37.2	56.4	46.8	24.2	11.8	1.1	1.1	0.6	200.1
1672 / 1711				0.6	0.6	4.5	28.2	36.6	34.4	19.7	10.7				135.3
1711 / 1750					0.6	2.8	8.5	30.4	23.1	15.8	3.4	0.6	0.6	0.6	86.2
1750 / 1789					0.6	1.7	2.3	9.0	13.0	7.3	3.4				37.2
1789 / 1828							1.1	3.4	5.1	3.9	0.6	1.7			15.8
1828 / 1867						0.6	0.6	1.1	2.3	1.7	1.7				7.9
1867								1.1		1.1		0.6			2.8
TOTAL			0.6	4.5	19.7	87.9	201.2	282.4	219.8	118.9	53.0	9.0	1.7	0.6	0.6 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1631.801	78.091	0.279	1234.727	0.474	74.968
39 CRCHHGHT	837.191	46.248	0.279	565.733	0.166	44.399

TABLE 210
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
1360				0.9	0.9		0.5	0.9							3.2
1360 / 1399			2.3	3.2	6.3	3.6	0.5	1.4	0.5						17.7
1399 / 1438		0.9	3.2	9.5	20.8	27.6	10.9	3.2							76.1
1438 / 1477		0.9	2.7	16.8	31.7	33.5	23.1	10.4	2.3	1.4					122.7
1477 / 1516			5.4	21.3	44.4	67.9	45.7	19.5	3.6	0.9					208.8
1516 / 1555	0.5		3.6	18.1	55.7	59.8	50.3	29.0	7.7	3.2		0.5			228.3
1555 / 1594			3.2	9.1	31.3	47.6	48.9	22.2	5.9	1.4	0.9				170.3
1594 / 1633		0.5	0.5	4.5	14.0	28.5	27.6	14.0	5.0	1.8	0.5				96.9
1633 / 1672			0.5	1.8	5.4	15.9	13.1	8.6	5.4	1.8					52.5
1672 / 1711			0.5	0.5		5.0	4.1	3.6	2.3						15.9
1711 / 1750					0.5	1.8	1.8	1.8	0.5						6.3
1750 / 1789							0.9			0.5					1.4
1789 / 1828															0.0
1828 / 1867															0.0
1867															0.0
TOTAL	0.5	2.3	21.7	85.6	211.1	291.2	227.4	114.6	33.1	10.9	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1530.192	69.200	0.267	1207.405	0.418	66.704
39 CRCHHGHT	771.351	44.143	0.267	510.787	0.170	42.550

TABLE 211
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
89 (SCYECIRC) SCYE CIRCUMFERENCE

MIN / MAX	308	326	344	362	380	398	416	434	452	470	488	506	524	542	TOTAL
1360			0.3	0.1											0.3
1360 / 1399	0.1	0.1	1.0	0.5	0.5	1.0		0.5							3.8
1399 / 1438	0.1	0.5	2.6	2.9	3.6	2.6	1.0	1.0							14.2
1438 / 1477		0.3	2.5	6.3	3.7	4.9	2.2	1.0							20.9
1477 / 1516		0.2	2.0	7.6	9.3	9.6	15.5	14.8	4.6	1.0					64.5
1516 / 1555		0.1	1.0	5.6	10.5	12.1	24.4	35.6	15.2	3.5	0.5				108.6
1555 / 1594			0.2	2.9	5.9	9.9	20.9	48.1	45.3	12.1	1.5	0.5			147.4
1594 / 1633				0.7	2.2	4.4	19.1	57.2	68.6	33.5	9.6	0.5			195.9
1633 / 1672				0.1	0.8	1.7	7.6	28.9	60.6	51.8	28.4	5.6			185.3
1672 / 1711				0.1		0.3	3.1	7.5	33.7	43.7	27.9	6.1		1.0	123.4
1711 / 1750						0.1	0.1	4.2	13.4	27.0	21.3	10.6	1.5		78.2
1750 / 1789							0.1	0.5	3.6	6.1	11.7	8.6	2.1	1.0	33.6
1789 / 1828									0.5	1.0	5.6	3.1	3.5	0.5	14.2
1828 / 1867										0.5	2.5	1.5	1.5	0.5	0.5	7.1
1867													0.5	0.5	1.5	2.5
TOTAL	0.1	1.2	9.7	26.6	36.4	46.6	94.1	199.3	245.4	180.2	109.1	36.5	9.1	3.5	2.1	1000.0

TABLE 212
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
89 (SCYECIRC) SCYE CIRCUMFERENCE

MIN / MAX	308	326	344	362	380	398	416	434	452	470	488	506	524	542	TOTAL
	308	326	344	362	380	398	416	434	452	470	488	506	524	542	
1360															0.0
1360 1399					0.6	1.1		0.6							2.3
1399 1438					2.3	2.8	1.1	1.1							7.3
1438 1477				1.1	0.6	4.5	2.3	1.1							9.6
1477 1516					1.1	7.9	16.9	16.3	5.1	1.1					48.5
1516 1555					0.6	7.9	25.9	39.5	16.9	3.9	0.6				95.3
1555 1594						5.1	20.9	53.0	50.2	13.5	1.7	0.6			144.9
1594 1633						1.1	18.6	62.6	76.1	37.2	10.7	0.6			206.9
1633 1672							6.2	31.6	67.1	57.5	31.6	6.2			200.1
1672 1711							2.8	7.9	37.2	48.5	31.0	6.8		1.1	135.3
1711 1750								4.5	14.7	29.9	23.7	11.8	1.7		86.2
1750 1789								0.6	3.9	6.8	13.0	9.6	2.3	1.1	37.2
1789 1828									0.6	1.1	6.2	3.4	3.9	0.6	15.8
1828 1867										0.6	2.8	1.7	1.7	0.6	7.9
1867													0.6	0.6	1.7	2.8
TOTAL				1.1	5.1	30.4	94.7	218.7	271.7	200.1	121.2	40.6	10.1	3.9	2.3	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1631.801	78.091	0.723	704.047	2.087	53.956
89 SCYECIRC	445.524	27.117	0.723	35.795	0.251	18.736

TABLE 213
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)
89 (SCYECIRC) SCYE CIRCUMFERENCE

MIN / MAX	308	326	344	362	380	398	416	434	452	470	488	506	524	542	TOTAL
1360			2.7	0.5											3.2
1360 / 1399	0.9	1.4	10.4	5.0											17.7
1399 / 1438	0.5	5.4	25.8	28.5	14.9	0.9									76.1
1438 / 1477		3.2	25.4	53.0	31.7	8.6	0.9								122.7
1477 / 1516		1.8	19.5	75.6	82.9	24.9	3.2	0.9							208.8
1516 / 1555		0.5	10.4	56.2	99.2	49.8	11.3	0.9							228.3
1555 / 1594			2.3	29.0	59.3	53.4	21.3	4.1	0.9						170.3
1594 / 1633				6.8	22.2	34.4	23.6	8.6	1.4						96.9
1633 / 1672				1.4	8.2	16.8	20.4	4.1	1.8						52.5
1672 / 1711				0.5		2.7	5.9	4.1	2.3	0.5					15.9
1711 / 1750						0.9	1.4	1.8	1.8	0.5					6.3
1750 / 1789							0.5		0.9						1.4
1789 / 1828															0.0
1828 / 1867															0.0
1867															0.0
TOTAL	1.4	12.2	96.5	256.3	318.4	192.5	88.3	24.5	9.1	0.9					1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
110 VTCUSA	1530.192	69.200	0.678	775.229	2.033	50.918
89 SCYECIRC	371.315	23.054	0.678	26.001	0.226	16.963

TABLE 214
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION
104 (THGHCIRC) THIGH CIRCUMFERENCE

MIN / MAX	471	471 / 494	494 / 517	517 / 540	540 / 563	563 / 586	586 / 609	609 / 632	632 / 655	655 / 678	678 / 701	701 / 724	724 / 747	747 / 770	770	TOTAL
604	0.1	0.3	0.3	0.1												0.7
604 / 641	0.2	0.9	1.1	1.8	1.1	0.2	0.1									5.3
641 / 678	0.1	3.4	3.7	5.2	5.3	2.9	1.1	0.2								21.8
678 / 715	1.5	4.7	4.6	6.6	9.5	7.5	4.6	1.9	0.5	0.1						41.4
715 / 752	0.5	4.6	14.9	31.1	25.2	11.5	10.5	3.2	1.4	0.3	0.1					103.3
752 / 789		1.0	7.2	28.2	41.1	39.4	20.2	8.9	2.3	0.9	0.1	0.1				149.4
789 / 826			2.5	13.3	28.7	54.6	49.6	24.7	11.1	3.2	0.4	0.1				188.1
826 / 863				2.5	12.7	30.7	52.3	49.2	19.6	7.2	2.3		0.1			176.5
863 / 900					3.5	11.9	28.0	40.1	23.4	13.0	3.7	1.1	0.1	0.1		124.9
900 / 937					0.5	5.1	9.8	27.4	20.1	16.4	7.7	0.7	1.5	0.5		89.7
937 / 974					0.5	1.0	6.6	11.2	12.7	15.8	4.2	5.6	1.0			58.6
974 / 1011							2.1	2.5	5.6	6.1	5.1	2.5	0.5	0.5		24.9
1011 / 1048							0.5	0.5	0.5	4.0	2.5	2.1		0.5	0.5	11.2
1048 / 1085									0.5	0.5	1.0			0.5		2.5
1085											1.0	0.5				1.5
TOTAL	2.4	14.8	34.4	88.6	128.3	164.8	185.3	169.7	97.5	67.5	28.2	12.6	3.2	2.1	0.5	1000.0

TABLE 215
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION
104 (THGHCIRC) THIGH CIRCUMFERENCE

MIN / MAX	471	471 / 494	494 / 517	517 / 540	540 / 563	563 / 586	586 / 609	609 / 632	632 / 655	655 / 678	678 / 701	701 / 724	724 / 747	747 / 770	770	TOTAL
604																0.0
604 / 641																0.0
641 / 678		2.8	1.7	0.6												5.1
678 / 715	1.7	5.1	3.9	3.4	3.4											17.5
715 / 752	0.6	5.1	16.3	33.3	24.2	6.8	3.9									90.2
752 / 789		1.1	7.9	31.0	44.5	40.6	18.6	6.2	0.6							150.5
789 / 826			2.8	14.7	31.6	59.8	53.0	25.4	10.7	2.3						200.1
826 / 863				2.8	14.1	33.8	57.5	53.6	20.9	7.3	2.3					192.2
863 / 900					3.9	13.0	31.0	44.0	25.4	14.1	3.9	1.1				136.4
900 / 937					0.6	5.6	10.7	30.4	22.0	18.0	8.5	0.6	1.7	0.6		98.6
937 / 974					0.6	1.1	7.3	12.4	14.1	17.5	4.5	6.2	1.1			64.8
974 / 1011							2.3	2.8	6.2	6.8	5.6	2.8	0.6	0.6		27.6
1011 / 1048							0.6	0.6	0.6	4.5	2.8	2.3		0.6	0.6	12.4
1048 / 1085									0.6	0.6	1.1			0.6		2.8
1085											1.1	0.6				1.7
TOTAL	2.3	14.1	32.7	85.7	122.9	160.7	184.9	175.3	100.9	71.0	29.9	13.5	3.4	2.3	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
114 WSCIRCNI	839.912	74.028	0.785	136.377	1.179	45.858
104 THGHCIRC	596.512	49.282	0.785	342.593	0.441	70.393

TABLE 216
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION
104 (THGHCIRC) THIGH CIRCUMFERENCE

MIN / MAX	471	471 / 494	494 / 517	517 / 540	540 / 563	563 / 586	586 / 609	609 / 632	632 / 655	655 / 678	678 / 701	701 / 724	724 / 747	747 / 770	770	TOTAL
604	0.9	2.7	2.7	0.5												6.8
604 / 641	1.8	9.1	11.3	17.7	10.9	2.3	0.5									53.4
641 / 678	0.9	8.6	21.7	46.2	53.4	28.5	10.9	1.8								172.1
678 / 715		0.9	10.9	35.8	64.8	74.7	45.7	18.6	4.5	0.9						256.8
715 / 752			2.3	11.3	34.4	53.9	69.7	32.2	13.6	3.2	0.9					221.5
752 / 789			0.5	3.2	10.9	29.0	34.4	33.1	17.7	9.5	0.9	0.5				139.5
789 / 826				0.5	2.7	8.2	19.5	18.6	14.9	11.3	3.6	1.4				80.6
826 / 863						3.2	5.4	9.5	7.7	5.9	2.7		0.5			34.9
863 / 900						1.8	1.4	5.0	5.4	2.7	2.3	1.4	0.9	0.5		21.3
900 / 937						0.5	1.8	0.5	2.7	2.3	0.5	1.4				9.5
937 / 974								0.5	0.5	0.5	1.8					3.2
974 / 1011											0.5					0.5
1011 / 1048																0.0
1048 / 1085																0.0
1085																0.0
TOTAL	3.6	21.3	49.4	115.0	177.1	202.0	189.3	119.6	67.0	36.2	13.1	4.5	1.4	0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
114 WSCIRCNI	725.522	63.028	0.713	146.744	0.997	44.203
104 THGHCIRC	580.269	45.055	0.713	210.485	0.510	31.598

TABLE 217
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION
119 (WSTHNI) WAIST HEIGHT, NATURAL INDENTATION

MIN / MAX	886	886 / 911	911 / 936	936 / 961	961 / 986	986 / 1011	1011 / 1036	1036 / 1061	1061 / 1086	1086 / 1111	1111 / 1136	1136 / 1161	1161 / 1186	1186 / 1211	1211	TOTAL
604	0.1			0.2	0.1		0.1	0.1		0.1						0.7
604 / 641			0.2	0.3	0.4	1.5	1.2	0.7	0.7	0.2	0.2					5.3
641 / 678		0.1	0.1	0.6	2.0	2.9	3.4	4.4	4.4	2.4	1.2	0.3	0.1	0.1		21.8
678 / 715		0.1	0.1	0.5	1.3	3.6	6.7	10.2	6.6	7.6	3.4	0.8	0.2	0.5		41.4
715 / 752		0.1	0.6	0.2	1.9	3.2	8.4	9.8	19.8	21.2	15.6	12.1	6.7	2.6	0.6	102.8
752 / 789		0.1	0.1	0.1	0.6	2.1	6.6	15.5	29.4	29.0	26.8	18.2	10.0	6.3	3.2	147.9
789 / 826			0.1	0.1	0.2	3.0	5.5	10.7	22.6	29.7	45.2	29.8	22.7	10.9	5.6	186.2
826 / 863			0.1	0.1	0.1	1.8	2.7	11.2	20.4	33.1	34.8	26.1	20.1	16.8	7.1	174.5
863 / 900					0.2	0.8	1.2	6.5	13.0	18.4	23.2	24.7	20.8	11.2	3.5	123.4
900 / 937					0.1	0.6	1.8	3.7	6.7	16.3	11.8	15.8	16.7	10.2	1.5	85.2
937 / 974								0.6	4.7	5.6	15.3	9.2	8.1	9.6	4.0	57.1
974 / 1011								0.5	0.5	1.0	5.0	5.0	5.6	3.5	1.0	22.4
1011 / 1048								1.0		1.5	1.0	3.1	3.1	0.5	1.0	11.2
1048 / 1085										0.5			0.5	1.0		2.1
1085										0.5			0.5	0.5		1.5
TOTAL	0.1	0.2	1.0	2.1	6.9	19.3	37.5	74.9	128.7	167.3	183.5	145.2	115.2	73.7	27.6	1000.0

TABLE 218
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION
119 (WSTHNI) WAIST HEIGHT, NATURAL INDENTATION

MIN / MAX	886	886 / 911	911 / 936	936 / 961	961 / 986	986 / 1011	1011 / 1036	1036 / 1061	1061 / 1086	1086 / 1111	1111 / 1136	1136 / 1161	1161 / 1186	1186 / 1211	1211	TOTAL
604																0.0
604 / 641																0.0
641 / 678					0.6	0.6		1.1	1.7	0.6	0.6					5.1
678 / 715						0.6	2.8	5.1	2.3	4.5	1.7			0.6		17.5
715 / 752			0.6		1.1	1.1	5.6	6.2	17.5	19.7	14.7	12.4	7.3	2.8	0.6	89.6
752 / 789						1.1	5.1	14.1	29.9	29.9	28.2	19.7	10.7	6.8	3.4	148.8
789 / 826						2.8	5.1	10.1	23.7	31.6	49.0	32.7	24.8	11.8	6.2	197.9
826 / 863						1.7	2.8	11.8	22.0	36.1	38.3	28.7	22.0	18.6	7.9	190.0
863 / 900						0.6	1.1	6.8	14.1	20.3	25.4	27.1	23.1	12.4	3.9	134.7
900 / 937						0.6	1.7	3.9	7.3	18.0	13.0	17.5	18.6	11.3	1.7	93.6
937 / 974								0.6	5.1	6.2	16.9	10.1	9.0	10.7	4.5	63.1
974 / 1011								0.6	0.6	1.1	5.6	5.6	6.2	3.9	1.1	24.8
1011 / 1048								1.1		1.7	1.1	3.4	3.4	0.6	1.1	12.4
1048 / 1085										0.6			0.6	1.1		2.3
1085										0.6			0.6	0.6		1.7
TOTAL			0.6		1.7	9.0	24.2	61.4	124.0	170.8	194.5	157.3	126.3	81.2	30.4	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
114 WSCIRCNI	839.912	74.028	0.310	342.593	0.441	70.393
119 WSTHNI	1127.062	52.064	0.310	943.749	0.218	49.507

TABLE 219
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION
119 (WSTHNI) WAIST HEIGHT, NATURAL INDENTATION

MIN / MAX	886	886 / 911	911 / 936	936 / 961	961 / 986	986 / 1011	1011 / 1036	1036 / 1061	1061 / 1086	1086 / 1111	1111 / 1136	1136 / 1161	1161 / 1186	1186 / 1211	1211	TOTAL
604 / 641	0.5		1.8	2.7	4.1	14.9	11.8	6.8	6.8	2.3	2.3					53.4
641 / 678		0.5	0.5	5.9	14.9	23.6	33.5	34.4	29.0	18.6	6.8	3.2	0.9	0.5		172.1
678 / 715		0.5	0.9	5.0	12.7	30.3	41.7	55.7	45.3	35.8	19.0	7.7	2.3			256.8
715 / 752		0.9	0.5	1.8	9.1	21.7	34.0	42.6	40.8	34.4	23.6	9.5	1.4	0.9	0.5	221.5
752 / 789		0.5	0.5	0.9	6.3	10.9	19.9	28.1	24.9	21.3	14.0	5.0	4.1	1.4	1.8	139.5
789 / 826			0.5	1.4	2.3	5.0	9.5	15.9	12.7	12.2	11.3	3.2	3.6	2.7	0.5	80.6
826 / 863			0.5	1.4	0.9	2.7	1.4	5.4	6.3	6.3	3.2	3.2	2.7	0.9		34.9
863 / 900					2.3	2.3	1.8	3.6	2.7	1.8	3.2	3.2	0.5			21.3
900 / 937					0.5	0.9	2.7	1.8	1.4	1.4	0.5	0.5				9.5
937 / 974								0.5	0.9	0.5	0.5	0.9				3.2
974 / 1011										0.5						0.5
1011 / 1048																0.0
1048 / 1085																0.0
1085																0.0
TOTAL	0.5	2.3	5.0	20.8	53.9	112.3	157.6	196.1	170.7	135.9	84.2	36.2	15.4	6.3	2.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
114 WSCIRCNI	725.522	63.028	0.245	408.497	0.300	61.102
119 WSTHNI	1056.519	51.712	0.245	909.970	0.202	50.132

TABLE 220
8IVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	622 / 654	654 / 686	686 / 718	718 / 750	750 / 782	782 / 814	814 / 846	846 / 878	878 / 910	910 / 942	942 / 974	974 / 1006	1006 / 1038	1038	TOTAL
604		0.1		0.2	0.1	0.2		0.1								0.7
604 / 641		0.1	0.1	0.9	1.5	1.6	0.8	0.4	0.1							5.3
641 / 678		0.1	0.4	1.7	4.5	5.6	5.8	2.4	1.3	0.2						21.8
678 / 715		0.1	0.5	2.1	5.9	9.1	13.2	6.4	3.3	0.4	0.5					41.4
715 / 752	0.1		0.9	2.6	7.1	12.5	23.3	26.9	17.7	8.7	3.1	0.6				103.3
752 / 789			0.5	1.0	4.3	17.7	35.4	39.8	27.2	14.9	6.3	1.5		0.5	0.5	149.4
789 / 826			0.1	0.5	8.1	15.1	30.8	54.3	42.6	23.4	11.2	1.5	0.5			188.1
826 / 863			0.1	1.4	3.1	21.0	31.8	47.8	35.3	23.3	10.2	2.1	0.5			176.5
863 / 900		0.1	0.1	0.8	0.9	11.8	26.1	35.9	30.1	13.2	5.6		0.5			124.9
900 / 937			0.1	1.5	2.1	8.1	17.1	21.9	23.3	8.1	6.1	1.5				89.7
937 / 974					0.5	3.1	14.8	16.8	11.2	8.6	3.1	0.5				58.6
974 / 1011					0.5	0.5	3.1	9.1	5.0	4.6	2.1					24.9
1011 / 1048					0.5	1.5	1.5	2.1	3.5	2.1						11.2
1048 / 1085						0.5		1.0	0.5			0.5				2.5
1085								1.0		0.5						1.5
TOTAL	0.1	0.2	2.7	12.6	38.8	108.2	203.8	265.6	201.1	108.1	47.8	8.1	1.5	0.5	0.5	1000.0

TABLE 221
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION
39 (CRCNNHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
604															0.0
604 / 641															0.0
641 / 678					0.6	0.6	2.3	0.6	1.1						5.1
678 / 715					0.6	1.7	7.9	3.9	2.8		0.6				17.5
715 / 752			0.6	1.1	2.3	7.3	19.7	27.1	18.6	9.6	3.4	0.6			90.2
752 / 789					2.3	14.1	36.1	42.3	29.9	16.3	6.8	1.7		0.6	0.6	150.5
789 / 826					6.8	14.7	32.1	59.2	46.8	25.9	12.4	1.7	0.6			200.1
826 / 863				1.1	2.8	22.5	34.4	52.4	38.9	25.9	11.3	2.3	0.6			192.2
863 / 900				0.6	0.6	12.4	28.7	39.5	33.3	14.7	6.2		0.6			136.4
900 / 937				1.7	2.3	8.5	18.6	24.2	25.9	9.0	6.8	1.7				98.6
937 / 974					0.6	3.4	16.3	18.6	12.4	9.6	3.4	0.6				64.8
974 / 1011					0.6	0.6	3.4	10.1	5.6	5.1	2.3					27.6
1011 / 1048					0.6	1.7	1.7	2.3	3.9	2.3						12.4
1048 / 1085						0.6		1.1	0.6			0.6				2.8
1085								1.1		0.6						1.7
TOTAL			0.6	4.5	19.7	87.9	201.2	282.4	219.8	118.9	53.0	9.0	1.7	0.6	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
114 WSCIRCNI	839.912	74.028	0.063	752.299	0.105	73.891
39 CRCNNGHT	837.191	46.248	0.063	802.885	0.041	46.162

TABLE 222
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION
39 (CRCHHGHT) CROTCH HEIGHT

MIN MAX	622 622	654 654	686 686	718 718	750 750	782 782	814 814	846 846	878 878	910 910	942 942	974 974	1006 1006	1038 1038	TOTAL
604		0.5		2.3	1.4	1.8		0.9							6.8
604 641		0.5	0.5	8.6	14.9	16.3	8.2	3.6	0.9						53.4
641 678		0.5	4.1	16.8	39.4	50.7	37.1	18.1	3.2	2.3					172.1
678 715		0.5	5.4	21.3	53.4	75.2	61.1	28.5	7.7	3.6					256.8
715 752	0.5		3.6	16.3	49.8	59.3	55.7	24.9	10.0	0.9		0.5			221.5
752 789			4.5	10.0	22.6	49.8	29.0	16.8	2.7	2.7	1.4				139.5
789 826			1.4	4.5	19.9	19.0	19.5	10.4	4.5	1.4					80.6
826 863			0.5	3.6	5.9	7.7	8.6	5.9	2.7						34.9
863 900		0.5	1.4	2.3	3.2	6.8	2.3	3.6	1.4						21.3
900 937			0.5		0.5	4.1	3.6	0.9							9.5
937 974						0.5	1.8	0.9							3.2
974 1011							0.5								0.5
1011 1048															0.0
1048 1085															0.0
1085															0.0
TOTAL	0.5	2.3	21.7	85.6	211.1	291.2	227.4	114.6	33.1	10.9	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
114 WSCIRCNI	725.522	63.028	0.089	624.535	0.131	62.777
39 CRCHHGHT	771.351	44.143	0.089	724.759	0.064	43.967

TABLE 223
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INOENTATION
100 (STATURE) STATURE

MIN / MAX	1468	1468 / 1509	1509 / 1550	1550 / 1591	1591 / 1632	1632 / 1673	1673 / 1714	1714 / 1755	1755 / 1796	1796 / 1837	1837 / 1878	1878 / 1919	1919 / 1960	1960 / 2001	2001	TOTAL
604	0.1	0.1	0.2	0.1	0.1	0.1										0.7
604 / 641	0.1	0.2	0.6	1.9	1.0	1.0	0.3	0.2	0.1							5.3
641 / 678	0.1	0.8	1.5	4.2	4.5	5.9	2.3	2.3	0.3	0.1						21.8
678 / 715	0.2	0.3	2.1	4.6	8.3	10.8	9.8	2.9	1.4	1.0						41.4
715 / 752	0.1	0.8	1.4	6.3	8.6	13.4	20.9	21.4	16.6	10.8	2.5	0.5				103.3
752 / 789		0.3	0.8	2.4	9.1	13.7	33.0	31.4	33.5	16.3	4.6	2.5	0.5		1.0	149.4
789 / 826	0.1	0.1	0.2	1.9	9.1	15.5	27.7	43.4	43.5	28.0	14.7	4.0				188.1
826 / 863		0.1	0.1	1.0	2.7	15.2	29.1	45.0	35.8	26.9	15.2	5.0	0.5			176.5
863 / 900		0.1	0.1	0.9	1.9	10.7	16.2	25.2	34.0	21.8	12.7	1.0	0.5			124.9
900 / 937			0.1	0.5	2.3	3.8	13.0	17.3	22.3	17.3	8.6	3.5	1.0			89.7
937 / 974						2.2	8.2	12.8	13.7	10.2	7.6	3.1	1.0			58.6
974 / 1011						0.6	2.5	4.6	5.0	4.6	5.6	0.5	1.5			24.9
1011 / 1048						0.5	2.1	0.5	1.5	4.6	1.5	0.5				11.2
1048 / 1085								0.5		1.0	0.5		0.5			2.5
1085									0.5	0.5		0.5				1.5
TOTAL	0.5	2.7	7.2	23.6	47.5	93.3	165.1	207.4	208.3	143.0	73.6	21.3	5.6		1.0	1000.0

TABLE 224
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION
100 (STATURE) STATURE

MIN / MAX	1468	1468 / 1509	1509 / 1550	1550 / 1591	1591 / 1632	1632 / 1673	1673 / 1714	1714 / 1755	1755 / 1796	1796 / 1837	1837 / 1878	1878 / 1919	1919 / 1960	1960 / 2001	2001	TOTAL
604																0.0
604 / 641																0.0
641 / 678				0.6	0.6	2.3		1.7								5.1
678 / 715					1.7	5.6	6.2	1.7	1.1	1.1						17.5
715 / 752		0.6		2.3	3.9	8.5	19.7	22.0	18.0	11.8	2.8	0.6				90.2
752 / 789				0.6	5.6	11.8	34.4	33.8	36.6	18.0	5.1	2.8	0.6		1.1	150.5
789 / 826				0.6	7.9	15.2	29.3	47.4	47.9	31.0	16.3	4.5				200.1
826 / 863				0.6	2.3	15.8	31.6	49.6	39.5	29.9	16.9	5.6	0.6			192.2
863 / 900				0.6	1.7	11.3	17.5	27.6	37.8	24.2	14.1	1.1	0.6			136.4
900 / 937				0.6	2.3	3.9	14.1	19.2	24.8	19.2	9.6	3.9	1.1			98.6
937 / 974						2.3	9.0	14.1	15.2	11.3	8.5	3.4	1.1			64.8
974 / 1011						0.6	2.8	5.1	5.6	5.1	6.2	0.6	1.7			27.6
1011 / 1048						0.6	2.3	0.6	1.7	5.1	1.7	0.6				12.4
1048 / 1085								0.6		1.1	0.6		0.6			2.8
1085									0.6	0.6		0.6				1.7
TOTAL		0.6		5.6	25.9	77.8	166.9	223.2	228.9	158.4	81.7	23.7	6.2		1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
114 WSCIRCNI	839.912	74.028	0.253	344.491	0.282	71.608
100 STATURE	1755.808	66.807	0.253	1562.797	0.230	64.623

TABLE 225
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION
100 (STATURE) STATURE

MIN / MAX	1468	1468 / 1509	1509 / 1550	1550 / 1591	1591 / 1632	1632 / 1673	1673 / 1714	1714 / 1755	1755 / 1796	1796 / 1837	1837 / 1878	1878 / 1919	1919 / 1960	1960 / 2001	2001	TOTAL
604 / 641	0.5	2.3	6.3	18.6	10.0	10.4	3.2	1.8	0.5							53.4
641 / 678	0.5	7.7	15.4	36.2	39.9	38.0	23.1	7.7	3.2	0.5						172.1
678 / 715	1.8	3.2	21.3	45.7	67.5	57.5	41.7	14.0	4.1							256.8
715 / 752	0.9	2.7	14.0	42.6	50.7	58.0	31.7	15.9	3.6	1.4						221.5
752 / 789		2.7	8.2	19.0	40.8	30.8	20.8	10.0	5.4	1.4	0.5					139.5
789 / 826	0.5	0.9	2.3	14.0	19.5	18.1	13.6	7.2	3.6	0.9						80.6
826 / 863		0.5	0.9	5.0	6.3	9.5	6.3	4.1	2.3							34.9
863 / 900		0.9	0.9	3.2	3.6	5.4	4.1	3.2								21.3
900 / 937			0.5		2.3	3.2	3.2	0.5								9.5
937 / 974						0.9	0.9	1.4								3.2
974 / 1011						0.5										0.5
1011 / 1048																0.0
1048 / 1085																0.0
1085																0.0
TOTAL	4.5	21.7	71.6	185.7	241.8	233.2	148.6	65.7	22.6	4.1	0.5					1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
114 WSCIRCNI	725.522	63.028	0.187	42.483	0.187	61.915
100 STATURE	1629.372	63.604	0.187	1491.506	0.190	62.480

TABLE 226
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
100 (STATURE) STATURE

MIN / MAX	1468	1468 / 1509	1509 / 1550	1550 / 1591	1591 / 1632	1632 / 1673	1673 / 1714	1714 / 1755	1755 / 1796	1796 / 1837	1837 / 1878	1878 / 1919	1919 / 1960	1960 / 2001	2001	TOTAL
644	0.1		0.1	0.4	0.1	0.2										0.9
644 / 683		0.4	0.9	2.0	2.3	2.6	1.0	0.1	0.1							9.3
683 / 722	0.1	0.2	1.1	3.4	5.3	11.4	10.4	5.9	2.2	0.5		0.5				41.1
722 / 761	0.1	0.5	1.9	6.0	9.5	10.1	21.4	17.2	16.1	7.2	1.5					91.6
761 / 800	0.1	0.9	0.8	3.3	9.1	16.4	25.8	36.4	31.2	14.3	7.1	2.1			1.0	148.2
800 / 839	0.1	0.3	1.2	3.0	8.4	10.7	32.2	31.6	38.1	26.4	13.2	2.5	1.0			168.8
839 / 878	0.1	0.2	0.6	2.4	5.5	17.4	23.6	42.3	31.9	25.4	12.7	5.0				167:2
878 / 917		0.1	0.2	2.0	3.0	14.1	19.0	27.5	31.6	22.5	11.2	3.1				134.3
917 / 956		0.1	0.3	0.6	3.7	5.9	12.9	20.8	23.4	14.2	7.7	0.5	1.5			91.5
956 / 995			0.1	0.3	0.2	2.5	11.7	16.4	20.0	15.2	10.2	3.1				79.5
995 / 1034			0.1	0.2	0.2	1.0	3.8	6.3	9.7	9.1	3.5	3.5	1.0			38.4
1034 / 1073		0.1	0.1	0.1	0.1	0.7	1.1	2.6	2.5	4.0	4.6	0.5	1.5			17.8
1073 / 1112					0.1	0.5	1.6	0.1	0.5	3.1	2.1		0.5			8.3
1112 / 1151									0.5	0.5		0.5				1.5
1151							0.5		0.5	0.5						1.5
TOTAL	0.5	2.7	7.2	23.6	47.5	93.3	165.1	207.4	208.3	143.0	73.6	21.3	5.6		1.0	1000.0

TABLE 227
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
100 (STATURE) STATURE

MIN / MAX	1468	1468 / 1509	1509 / 1550	1550 / 1591	1591 / 1632	1632 / 1673	1673 / 1714	1714 / 1755	1755 / 1796	1796 / 1837	1837 / 1878	1878 / 1919	1919 / 1960	1960 / 2001	2001	TOTAL
644																0.0
644 / 683				0.6	1.1	1.7	0.6									3.9
683 / 722				0.6	1.7	9.0	9.6	5.6	2.3	0.6		0.6				29.9
722 / 761				2.8	5.6	6.2	20.9	18.0	17.5	7.9	1.7					80.6
761 / 800		0.6			4.5	13.0	24.8	39.5	34.4	15.8	7.9	2.3			1.1	143.7
800 / 839					5.1	7.9	33.3	33.8	41.7	29.3	14.7	2.8	1.1			169.7
839 / 878				0.6	3.4	16.9	24.2	46.2	34.9	28.2	14.1	5.6				174.2
878 / 917				1.1	1.7	14.1	20.3	29.9	34.9	24.8	12.4	3.4				142.6
917 / 956					2.8	5.1	13.5	22.5	25.9	15.8	8.5	0.6	1.7			96.4
956 / 995						2.3	12.4	18.0	22.0	16.9	11.3	3.4				86.2
995 / 1034						0.6	3.9	6.8	10.7	10.1	3.9	3.9	1.1			41.1
1034 / 1073						0.6	1.1	2.8	2.8	4.5	5.1	0.6	1.7			19.2
1073 / 1112						0.6	1.7		0.6	3.4	2.3		0.6			9.0
1112 / 1151									0.6	0.6		0.6				1.7
1151							0.6		0.6	0.6						1.7
TOTAL		0.6		5.6	25.9	77.8	166.9	223.2	228.9	158.4	81.7	23.7	6.2		1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
115 WSCIRCOM	862.423	86.404	0.274	236.547	0.356	83.081
100 STATURE	1755.808	66.807	0.274	1572.024	0.213	64.238

TABLE 228
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
100 (STATURE) STATURE

MIN / MAX	1468	1468 / 1509	1509 / 1550	1550 / 1591	1591 / 1632	1632 / 1673	1673 / 1714	1714 / 1755	1755 / 1796	1796 / 1837	1837 / 1878	1878 / 1919	1919 / 1960	1960 / 2001	2001	TOTAL
644	0.5		0.9	4.1	1.4	1.8										8.6
644 / 683		4.1	9.1	14.9	13.6	10.4	4.1	1.4	0.5							58.0
683 / 722	0.9	2.3	10.9	29.0	38.0	32.6	17.7	9.1	1.4							141.8
722 / 761	1.4	4.5	18.6	34.9	44.8	45.3	25.8	10.4	3.6	0.9						190.2
761 / 800	0.9	3.6	7.7	32.6	50.3	47.1	34.9	8.6	2.3	0.9						188.9
800 / 839	0.5	2.7	11.8	29.9	38.5	36.2	22.6	12.2	5.4	0.5						160.3
839 / 878	0.5	2.3	6.3	18.6	24.5	21.7	18.1	7.7	4.5							104.2
878 / 917		1.4	1.8	10.0	14.5	14.5	7.7	5.9	2.3	1.8						59.8
917 / 956		0.5	3.2	5.9	11.8	12.7	7.2	5.4	0.5		0.5					47.6
956 / 995			0.5	2.7	1.8	4.5	5.9	2.3	1.8							19.5
995 / 1034			0.5	2.3	1.8	5.0	3.2	1.4	0.5							14.5
1034 / 1073		0.5	0.5	0.9	0.5	1.4	0.9	0.5								5.0
1073 / 1112					0.5		0.5	0.9								1.8
1112 / 1151																0.0
1151																0.0
TOTAL	4.5	21.7	71.6	185.7	241.8	233.2	148.6	65.7	22.6	4.1	0.5					1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
115 WSCIRCOM	791.884	82.716	0.167	433.004	0.220	81.539
100 STATURE	1629.372	63.604	0.167	1526.242	0.130	62.699

TABLE 229
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
104 (THGHCIRC) THIGH CIRCUMFERENCE

MIN / MAX	471	471 / 494	494 / 517	517 / 540	540 / 563	563 / 586	586 / 609	609 / 632	632 / 655	655 / 678	678 / 701	701 / 724	724 / 747	747 / 770	770	TOTAL
644	0.1	0.3	0.3	0.1	0.1											0.9
644 / 683	0.7	2.4	2.7	1.8	1.3	0.3	0.2	0.1								9.3
683 / 722	1.6	8.8	6.8	11.8	7.3	3.2	1.3	0.2								41.1
722 / 761	0.1	2.8	13.7	30.7	24.3	14.3	4.3	0.9	0.3	0.1						91.6
761 / 800		0.5	8.0	27.0	39.3	41.4	24.0	6.4	1.5	0.2						148.2
800 / 839			2.8	13.2	33.6	45.1	44.2	21.2	7.8	0.9						168.8
839 / 878			0.1	3.9	16.1	33.5	49.9	40.2	16.5	6.3	0.7	0.1				167.2
878 / 917					4.7	19.2	34.2	43.8	20.8	9.3	2.3	0.1				134.3
917 / 956					1.0	5.5	16.1	31.6	18.0	13.2	5.3	0.1		0.5		91.5
956 / 995					0.5	2.2	9.1	19.9	16.1	18.4	8.2	3.7	1.0	0.5		79.5
995 / 1034						0.1	1.6	4.4	12.4	10.9	5.8	1.6	1.6			38.4
1034 / 1073						0.1	0.6	1.1	4.2	6.6	1.7	3.1	0.5			17.8
1073 / 1112										1.0	3.1	3.5		0.6		8.3
1112 / 1151										0.5		0.5		0.5		1.5
1151											1.0				0.5	1.5
TOTAL	2.4	14.8	34.4	88.6	128.3	164.8	185.3	169.7	97.5	67.5	28.2	12.6	3.2	2.1	0.5	1000.0

TABLE 230
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
104 (THGHCIRC) THIGH CIRCUMFERENCE

MIN / MAX	471	471 / 494	494 / 517	517 / 540	540 / 563	563 / 586	586 / 609	609 / 632	632 / 655	655 / 678	678 / 701	701 / 724	724 / 747	747 / 770	770	TOTAL
644																0.0
644 / 683	0.6	1.7	1.7													3.9
683 / 722	1.7	9.0	5.6	9.0	3.4	1.1										29.9
722 / 761		2.8	14.1	30.4	20.9	10.7	1.7									80.6
761 / 800		0.6	8.5	28.2	40.0	40.0	21.4	4.5	0.6							143.7
800 / 839			2.8	14.1	34.9	45.7	44.0	20.3	7.3	0.6						169.7
839 / 878				3.9	16.9	34.9	52.4	42.3	16.9	6.2	0.6					174.2
878 / 917					5.1	20.3	36.6	46.8	22.0	9.6	2.3					142.6
917 / 956					1.1	5.6	16.9	33.8	18.6	14.1	5.6			0.6		96.4
956 / 995					0.6	2.3	9.6	22.0	17.5	19.7	9.0	3.9	1.1	0.6		86.2
995 / 1034							1.7	4.5	13.5	11.8	6.2	1.7	1.7			41.1
1034 / 1073							0.6	1.1	4.5	7.3	1.7	3.4	0.6			19.2
1073 / 1112										1.1	3.4	3.9		0.6		9.0
1112 / 1151										0.6		0.6		0.6		1.7
1151											1.1				0.6	1.7
TOTAL	2.3	14.1	32.7	85.7	122.9	160.7	184.9	175.3	100.9	71.0	29.9	13.5	3.4	2.3	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
115 WSCIRCOM	862.423	86.404	0.800	25.499	1.403	51.830
104 THGHCIRC	596.512	49.282	0.800	202.876	0.456	29.562

TABLE 231
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
104 (THGHCIRC) THIGH CIRCUMFERENCE

MIN / MAX	471	471 / 494	494 / 517	517 / 540	540 / 563	563 / 586	586 / 609	609 / 632	632 / 655	655 / 678	678 / 701	701 / 724	724 / 747	747 / 770	770	TOTAL
644	0.5	2.7	3.2	1.4	0.9											8.6
644 / 683	1.8	8.6	11.3	18.1	12.7	3.2	1.8	0.5								58.0
683 / 722	0.5	7.2	18.1	36.7	42.1	22.2	12.7	2.3								141.8
722 / 761	0.9	2.7	10.4	33.5	55.3	47.1	27.2	9.1	3.2	0.9						190.2
761 / 800			3.2	16.3	33.5	53.9	47.1	23.6	9.1	2.3						188.9
800 / 839			2.7	5.0	22.2	39.9	46.2	29.0	11.8	3.6						160.3
839 / 878			0.5	4.1	8.6	20.4	27.2	21.3	12.7	7.2	1.8	0.5				104.2
878 / 917					1.4	9.1	12.2	16.8	10.4	6.8	2.7	0.5				59.8
917 / 956					0.5	4.5	9.1	11.8	12.2	5.4	2.7	1.4				47.6
956 / 995						0.9	5.0	1.4	3.2	6.3	0.9	1.4	0.5			19.5
995 / 1034						0.5	0.5	3.2	2.7	3.2	2.7	0.9	0.9			14.5
1034 / 1073						0.5	0.5	0.9	1.8		1.4					5.0
1073 / 1112										0.5	0.9			0.5		1.8
1112 / 1151																0.0
1151																0.0
TOTAL	3.6	21.3	49.4	115.0	177.1	202.0	189.3	119.6	67.0	36.2	13.1	4.5	1.4	0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
115 WSCIRCOM	791.884	82.716	0.690	56.552	1.267	59.864
104 THGHCIRC	580.269	45.055	0.690	282.536	0.376	32.608

TABLE 232
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
120 (WSTHOM) WAIST HEIGHT, OMPHALION

MIN MAX	832	832 866	866 900	900 934	934 968	968 1002	1002 1036	1036 1070	1070 1104	1104 1138	1138 1172	1172 1206	1206 1240	1240 1274	1274	TOTAL
644		0.1		0.2	0.4	0.1	0.1									0.9
644 683			0.4	1.7	1.9	2.2	3.0	0.3	0.1							9.3
683 722		0.1	0.3	1.7	4.6	10.0	12.1	7.8	2.4	1.1	0.5	0.5				41.1
722 761	0.1	0.1	0.8	4.2	10.4	14.0	17.8	23.8	12.4	7.2	1.0					91.6
761 800		0.6	0.4	2.1	8.3	15.8	34.8	36.8	29.1	13.7	4.6	1.0			1.0	148.2
800 839	0.1	0.1	0.4	2.6	8.7	11.5	34.6	41.6	36.6	20.9	10.6	0.5	0.5			168.8
839 878		0.1	0.5	1.2	6.4	18.8	33.7	43.1	32.3	17.8	11.7	1.5				167.2
878 917		0.1	1.3	0.5	6.6	14.1	26.5	31.5	27.7	18.4	6.6	1.0				134.3
917 956		0.1	0.3	1.4	2.7	9.2	17.2	24.4	21.9	9.1	3.5	1.0	0.5			91.5
956 995		0.1	0.1	0.2	1.3	6.3	16.9	20.3	17.8	12.1	3.5	1.0				79.5
995 1034			0.1	0.2	0.3	2.6	6.8	11.8	9.1	4.0	2.5	1.0				38.4
1034 1073		0.1	0.1	0.1		1.2	3.1	3.1	2.5	6.1	1.5					17.8
1073 1112					0.1	1.5	0.1	1.5	3.1	1.5		0.5				8.3
1112 1151								0.5	0.5	0.5						1.5
1151							1.0		0.5							1.5
TOTAL	0.1	1.2	4.5	16.1	51.6	107.2	207.8	246.3	196.0	112.7	46.3	8.1	1.0		1.0	1000.0

TABLE 233
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
120 (WSTHOM) WAIST HEIGHT, OMPHALION

MIN / MAX	832	866	900	934	968	1002	1036	1070	1104	1138	1172	1206	1240	1274	TOTAL
644															0.0
644 / 683				0.6	0.6	0.6	2.3								3.9
683 / 722					1.7	6.2	10.1	7.3	2.3	1.1	0.6	0.6			29.9
722 / 761				2.3	6.8	9.6	15.2	24.8	13.0	7.9	1.1				80.6
761 / 800		0.6		0.6	3.9	11.8	33.8	38.9	31.6	15.2	5.1	1.1		1.1	143.7
800 / 839				0.6	5.1	8.5	34.9	44.5	40.0	23.1	11.8	0.6	0.6		169.7
839 / 878					4.5	18.0	34.9	46.8	35.5	19.7	13.0	1.7			174.2
878 / 917			1.1		5.6	14.1	28.2	34.4	30.4	20.3	7.3	1.1			142.6
917 / 956				1.1	1.7	9.0	18.0	26.5	24.2	10.1	3.9	1.1	0.6		96.4
956 / 995					1.1	6.2	18.6	22.0	19.7	13.5	3.9	1.1			86.2
995 / 1034						2.3	7.3	13.0	10.1	4.5	2.8	1.1			41.1
1034 / 1073						1.1	3.4	3.4	2.8	6.8	1.7				19.2
1073 / 1112						1.7		1.7	3.4	1.7		0.6			9.0
1112 / 1151								0.6	0.6	0.6					1.7
1151 /							1.1		0.6						1.7
TOTAL		0.6	1.1	5.1	31.0	89.1	208.0	263.8	214.2	124.6	51.3	9.0	1.1	1.1	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
115 WSCIRCOM	862.423	86.404	0.130	626.422	0.223	85.680
120 WSTHOM	1058.805	50.929	0.130	992.021	0.077	50.501

TABLE 234
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
120 (WSTHOM) WAIST HEIGHT, OMPHALION

MIN / MAX	832	832 / 866	866 / 900	900 / 934	934 / 968	968 / 1002	1002 / 1036	1036 / 1070	1070 / 1104	1104 / 1138	1138 / 1172	1172 / 1206	1206 / 1240	1240 / 1274	1274	TOTAL
644		0.5		1.8	4.1	0.9	1.4									8.6
644 / 683			3.6	11.3	13.6	16.3	9.5	3.2	0.5							58.0
683 / 722		0.5	3.2	17.2	30.8	43.9	29.9	12.2	3.2	0.9						141.8
722 / 761	0.5	0.9	7.7	21.7	43.0	53.4	40.8	14.5	6.8	0.9						190.2
761 / 800		0.9	4.1	15.9	47.6	51.6	43.5	17.7	6.8		0.5	0.5				188.9
800 / 839	0.5	0.9	4.1	20.4	41.2	38.5	31.7	15.9	5.9	1.4						160.3
839 / 878		1.4	5.0	12.2	23.1	25.8	23.1	9.5	3.2	0.9						104.2
878 / 917		0.5	3.2	4.5	15.4	14.5	10.9	5.4	3.6	1.4	0.5					59.8
917 / 956		0.5	2.7	4.5	11.8	11.3	10.0	5.4	0.9	0.5						47.6
956 / 995		0.5	0.9	1.8	2.7	6.8	1.4	4.5	0.9							19.5
995 / 1034			0.5	2.3	3.2	5.0	2.3	0.9	0.5							14.5
1034 / 1073		0.5	0.5	1.4		2.3	0.5									5.0
1073 / 1112					0.5		1.4									1.8
1112 / 1151																0.0
1151																0.0
TOTAL	0.9	6.8	35.3	115.0	236.9	270.4	206.1	89.2	32.2	5.9	0.9	0.5				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
115 WSCIRCOM	791.884	82.716	0.000	752.266	0.040	82.711
120 WSTHOM	982.106	48.810	0.000	970.983	0.014	48.807

TABLE 235
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN / MAX	811	811 / 842	842 / 873	873 / 904	904 / 935	935 / 966	966 / 997	997 / 1028	1028 / 1059	1059 / 1090	1090 / 1121	1121 / 1152	1152 / 1183	1183 / 1214	1214	TOTAL
644	0.1	0.1	0.3	0.3	0.1											0.9
644 / 683	0.5	2.0	3.2	1.9	1.5	0.2	0.2									9.3
683 / 722	0.5	3.3	11.9	12.4	8.6	2.8	1.1	0.2	0.1							41.1
722 / 761		0.1	9.3	30.5	35.6	10.7	3.9	1.0	0.4	0.1						91.6
761 / 800			1.1	12.9	55.8	53.4	15.6	8.2	0.9	0.2	0.1	0.1				148.2
800 / 839			0.1	5.0	28.9	62.9	41.0	25.0	5.3	0.5	0.1	0.1				168.8
839 / 878				0.1	9.5	36.7	62.9	40.6	12.3	4.8	0.1	0.1	0.1			167.2
878 / 917					3.1	13.6	36.4	46.4	25.6	8.9	0.1	0.1				134.3
917 / 956						2.3	14.7	31.5	27.2	14.5	0.7	0.7	0.1			91.5
956 / 995						0.5	6.3	17.1	24.4	20.1	7.0	3.7	0.6			79.5
995 / 1034							0.5	3.2	10.6	12.5	9.8	1.9		0.1		38.4
1034 / 1073							0.1	0.6	3.1	5.2	5.1	3.1	0.5			17.8
1073 / 1112										0.5	3.1	4.1	0.1		0.5	8.3
1112 / 1151											0.5		0.5		0.5	1.5
1151											0.5	0.5			0.5	1.5
TOTAL	1.1	5.5	25.9	63.1	143.3	182.9	182.5	173.7	110.0	67.3	27.1	14.3	1.8	0.1	1.5	1000.0

TABLE 236
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN / MAX	811	811 / 842	842 / 873	873 / 904	904 / 935	935 / 966	966 / 997	997 / 1028	1028 / 1059	1059 / 1090	1090 / 1121	1121 / 1152	1152 / 1183	1183 / 1214	1214	TOTAL
644																0.0
644 / 683	0.6	1.7	1.7													3.9
683 / 722	0.6	3.4	11.8	9.6	4.5											29.9
722 / 761			9.6	30.4	33.8	6.2	0.6									80.6
761 / 800			1.1	13.5	58.6	53.0	12.4	5.1								143.7
800 / 839				5.1	31.0	65.4	40.6	23.7	3.9							169.7
839 / 878					10.1	38.9	66.5	42.3	11.8	4.5						174.2
878 / 917					3.4	14.7	38.9	49.6	27.1	9.0						142.6
917 / 956						2.3	15.8	33.3	28.7	15.2	0.6	0.6				96.4
956 / 995						0.6	6.8	18.6	26.5	22.0	7.3	3.9	0.6			86.2
995 / 1034							0.6	3.4	11.3	13.5	10.7	1.7				41.1
1034 / 1073								0.6	3.4	5.6	5.6	3.4	0.6			19.2
1073 / 1112										0.6	3.4	4.5			0.6	9.0
1112 / 1151											0.6		0.6		0.6	1.7
1151											0.6	0.6			0.6	1.7
TOTAL	1.1	5.1	24.2	58.6	141.5	180.9	182.1	176.4	112.7	70.5	28.7	14.7	1.7		1.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
115 WSCIRCOM	862.423	86.404	0.859	-311.690	1.194	44.255
24 BUTTCIRC	983.669	62.180	0.859	450.573	0.618	31.848

TABLE 237
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN / MAX	811	811 / 842	842 / 873	873 / 904	904 / 935	935 / 966	966 / 997	997 / 1028	1028 / 1059	1059 / 1090	1090 / 1121	1121 / 1152	1152 / 1183	1183 / 1214	1214	TOTAL
644	0.9	1.4	2.7	2.7	0.9											8.6
644 / 683		4.5	16.8	18.6	14.5	1.8	1.8									58.0
683 / 722		2.3	13.1	38.0	45.7	28.1	11.3	1.8	1.4							141.8
722 / 761		0.9	6.3	31.7	52.1	51.2	33.5	10.0	3.6	0.9						190.2
761 / 800			0.9	7.7	30.3	56.6	44.8	36.2	9.1	2.3	0.5	0.5				188.9
800 / 839			0.9	4.1	10.4	40.8	44.4	36.7	17.7	4.5	0.5	0.5				160.3
839 / 878				0.9	4.1	16.8	30.3	24.9	17.2	7.2	1.4	0.9	0.5			104.2
878 / 917					0.9	4.1	13.6	18.1	12.2	8.2	1.4	1.4				59.8
917 / 956						1.8	4.5	15.4	13.6	8.6	1.8	1.4	0.5			47.6
956 / 995							1.4	3.2	5.9	2.7	4.1	1.4	0.9			19.5
995 / 1034								1.8	4.1	3.2	1.8	3.2		0.5		14.5
1034 / 1073							0.5	0.9	0.9	1.4	0.5	0.9				5.0
1073 / 1112											0.9	0.5	0.5			1.8
1112 / 1151																0.0
1151																0.0
TOTAL	0.9	9.1	40.8	103.7	159.0	201.1	186.1	149.0	85.6	38.9	12.7	10.4	2.3	0.5		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
115 WSCIRCOM	791.884	82.716	0.738	-188.932	1.014	55.822
24 BUTTCIRC	966.885	60.183	0.738	541.630	0.537	40.616

TABLE 238
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
39 (CRCHHGHT) CROTCH HEIGHT

MIN MAX	622 622	622 654	654 686	686 718	718 750	750 782	782 814	814 846	846 878	878 910	910 942	942 974	974 1006	1006 1038	1038	TOTAL
644		0.1		0.2	0.2	0.3	0.1	0.1								0.9
644 683			0.1	1.0	2.0	2.4	2.4	1.5	0.1							9.3
683 722		0.1	0.2	1.5	2.9	7.5	11.8	9.5	5.3	0.7	1.0	0.5				41.1
722 761	0.1	0.1	0.4	2.3	7.3	12.7	21.6	21.5	14.8	9.0	2.1					91.6
761 800			0.9	1.3	6.5	16.4	29.9	44.2	26.1	12.9	6.6	2.1	0.5	0.5	0.5	148.2
800 839			0.4	1.4	7.7	13.0	32.0	44.6	35.1	22.9	9.1	2.1	0.5			168.8
839 878			0.4	1.3	5.1	20.6	33.9	38.6	38.3	16.3	11.8	1.0				167.2
878 917			0.1	2.0	2.8	16.8	24.9	35.4	27.8	18.4	5.6	0.5				134.3
917 956			0.1	1.4	2.0	9.8	19.8	26.1	18.5	7.7	4.6	1.0	0.5			91.5
956 995		0.1	0.1	0.2	1.1	6.0	14.9	25.7	20.3	8.1	3.1					79.5
995 1034				0.1	0.8	0.6	8.3	11.8	6.7	7.1	2.5	0.5				38.4
1034 1073			0.1		0.1	0.7	3.6	3.1	5.0	3.5	1.5					17.8
1073 1112					0.5	1.0	0.6	2.1	2.5	1.0		0.5				8.3
1112 1151								0.5	0.5	0.5						1.5
1151						0.5		1.0								1.5
TOTAL	0.1	0.2	2.7	12.6	38.8	108.2	203.8	265.6	201.1	108.1	47.8	8.1	1.5	0.5	0.5	1000.0

TABLE 239
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
644															0.0
644 683					0.6	0.6	1.7	1.1							3.9
683 722						3.9	9.0	9.0	5.6	0.6	1.1	0.6			29.9
722 761				1.1	3.4	7.9	19.2	21.4	15.8	9.6	2.3				80.6
761 800			0.6		2.8	11.8	28.2	46.8	28.2	14.1	7.3	2.3	0.6	0.6	0.6 143.7
800 839					4.5	9.0	32.1	47.4	38.3	25.4	10.1	2.3	0.6		169.7
839 878				0.6	3.4	19.7	34.4	41.7	42.3	18.0	13.0	1.1			174.2
878 917				1.7	1.7	16.9	26.5	38.3	30.4	20.3	6.2	0.6			142.6
917 956				1.1	1.1	9.6	20.9	28.2	20.3	8.5	5.1	1.1	0.6		96.4
956 995					1.1	6.2	15.8	28.2	22.5	9.0	3.4				86.2
995 1034					0.6		9.0	13.0	7.3	7.9	2.8	0.6			41.1
1034 1073						0.6	3.9	3.4	5.6	3.9	1.7				19.2
1073 1112					0.6	1.1	0.6	2.3	2.8	1.1		0.6			9.0
1112 1151								0.6	0.6	0.6					1.7
1151						0.6		1.1							1.7
TOTAL		0.6	4.5	19.7	87.9	201.2	282.4	219.8	118.9	53.0	9.0	1.7	0.6	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
115 WSCIRCOM	862.423	86.404	0.055	767.795	0.113	86.270
39 CRCHHGHT	837.191	46.248	0.055	837.191	0.032	46.176

TABLE 240
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX		622 / 654	654 / 686	686 / 718	718 / 750	750 / 782	782 / 814	814 / 846	846 / 878	878 / 910	910 / 942	942 / 974	974 / 1006	1006 / 1038	1038	TOTAL
644		0.5		1.8	1.8	2.7	0.9	0.9								8.6
644 / 683			0.5	10.4	14.5	18.1	8.6	5.0	0.9							58.0
683 / 722		0.9	1.8	14.5	29.0	39.4	37.1	14.5	2.7	1.8						141.8
722 / 761	0.5	0.5	4.1	13.1	42.6	55.7	43.0	22.2	5.4	3.2						190.2
761 / 800			3.6	13.1	39.4	57.5	45.3	20.4	6.8	1.8	0.5	0.5				188.9
800 / 839			4.1	13.6	36.2	48.9	31.3	19.0	6.3	0.5	0.5					160.3
839 / 878			4.1	7.2	19.9	29.0	29.4	10.4	2.7	0.9	0.5					104.2
878 / 917			0.9	5.0	12.2	15.9	10.9	9.5	4.1	1.4						59.8
917 / 956			1.4	3.6	10.4	11.8	10.4	6.8	2.3	0.9						47.6
956 / 995		0.5	0.5	1.8	1.4	4.1	6.3	3.6	0.9	0.5						19.5
995 / 1034				1.4	2.3	6.3	2.3	1.4	0.9							14.5
1034 / 1073			0.9		1.4	1.4	0.9	0.5								5.0
1073 / 1112						0.5	0.9	0.5								1.8
1112 / 1151																0.0
1151																0.0
TOTAL	0.5	2.3	21.7	85.6	211.1	291.2	227.4	114.6	33.1	10.9	1.4	0.5				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
115 WSCIRCOM	791.884	82.716	0.055	704.167	0.114	82.582
39 CRCHHGHT	771.351	44.143	0.055	745.704	0.032	44.071

TABLE 241
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 119 (WSTHNI) WAIST HEIGHT, NATURAL INDENTATION
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	622 / 654	654 / 686	686 / 718	718 / 750	750 / 782	782 / 814	814 / 846	846 / 878	878 / 910	910 / 942	942 / 974	974 / 1006	1006 / 1038	1038	TOTAL
886		0.1														0.1
886 / 911	0.1	0.1	0.1													0.2
911 / 936		0.1	0.9	0.1												1.0
936 / 961		0.1	0.7	1.2	0.2											2.1
961 / 986			0.8	3.7	2.3	0.1										6.9
986 / 1011		0.1	0.1	5.1	9.5	4.6	0.1									19.3
1011 / 1036			0.1	2.0	16.2	16.0	3.3									37.5
1036 / 1061				0.5	9.0	42.5	22.3	0.7								74.9
1061 / 1086					1.8	32.6	76.4	17.8	0.1							128.7
1086 / 1111					0.1	11.2	71.4	76.2	8.3							167.3
1111 / 1136						0.7	26.8	107.8	47.6	0.6						183.5
1136 / 1161						0.6	2.9	47.4	77.3	16.6	0.5					145.2
1161 / 1186							0.6	13.1	53.1	44.4	4.0					115.2
1186 / 1211								2.6	13.9	35.8	20.3	1.0				73.7
1211									1.0	9.2	15.3	2.1				27.6
TOTAL	0.1	0.2	2.7	12.6	38.8	108.2	203.8	265.6	201.1	106.6	40.2	3.1				1000.0

TABLE 242
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 119 (WSTHNI) WAIST HEIGHT, NATURAL INDENTATION
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
886															0.0
886 911															0.0
911 936			0.6												0.6
936 961															0.0
961 986				1.1	0.6										1.7
986 1011				2.3	3.4	3.4									9.0
1011 1036				1.1	9.6	10.7	2.8								24.2
1036 1061					5.1	34.4	21.4	0.6							61.4
1061 1086					1.1	28.2	76.1	18.6							124.0
1086 1111						10.1	71.0	80.6	9.0						170.8
1111 1136						0.6	26.5	115.0	51.9	0.6					194.5
1136 1161						0.6	2.8	50.7	84.6	18.0	0.6				157.3
1161 1186							0.6	14.1	58.1	49.0	4.5				126.3
1186 1211								2.8	15.2	39.5	22.5	1.1			81.2
1211									1.1	10.1	16.9	2.3			30.4
TOTAL			0.6	4.5	19.7	87.9	201.2	282.4	219.8	117.2	44.5	3.4			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
119 WSTHNI	1127.062	52.064	0.911	268.166	1.026	21.439
39 CRCHHGHT	837.191	46.248	0.911	-75.208	0.810	19.044

TABLE 243
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 119 (WSTHNI) WAIST HEIGHT, NATURAL INDENTATION
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
886 / 911	0.5	0.5	1.4												2.3
911 / 936		0.5	3.6	0.9											5.0
936 / 961		0.5	6.8	11.8	1.8										20.8
961 / 986			8.2	27.2	17.2	1.4									53.9
986 / 1011		0.5	1.4	30.8	63.9	15.4	0.5								112.3
1011 / 1036			0.5	10.4	75.2	63.4	8.2								157.6
1036 / 1061				4.5	44.4	115.0	30.8	1.4							196.1
1061 / 1086					7.7	72.5	79.3	10.9	0.5						170.7
1086 / 1111					0.9	21.3	75.2	36.7	1.8						135.9
1111 / 1136						1.8	29.4	43.5	9.1	0.5					84.2
1136 / 1161						0.5	3.6	17.2	11.3	3.6					36.2
1161 / 1186							0.5	4.5	7.7	2.7					15.4
1186 / 1211								0.5	2.7	2.7	0.5				6.3
1211										1.4	0.9	0.5			2.7
TOTAL	0.5	2.3	21.7	85.6	211.1	291.2	227.4	114.6	33.1	10.9	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
119 WSTHNI	1056.519	51.712	0.889	252.745	1.042	23.635
39 CRCHHGHT	771.351	44.143	0.889	-30.854	0.759	20.175

TABLE 244
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 120 (WSTHOM) WAIST HEIGHT, OMPHALION
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
832	0.1		0.1												0.1
832 / 866		0.1	1.0	0.1											1.2
866 / 900		0.1	1.3	2.8	0.3	0.1									4.5
900 / 934			0.3	7.3	7.6	1.1									16.1
934 / 968			0.1	2.4	22.5	24.7	1.9								51.6
968 / 1002				0.1	8.0	57.9	39.4	1.8							107.2
1002 / 1036					0.6	23.5	122.5	58.5	2.8						207.8
1036 / 1070						1.0	38.5	154.8	50.9	1.1					246.3
1070 / 1104							1.6	49.1	111.8	32.0	1.5				196.0
1104 / 1138								1.5	34.2	61.2	15.8				112.7
1138 / 1172									1.5	13.3	27.4	4.1			46.3
1172 / 1206										0.5	3.1	3.5	1.0		8.1
1206 / 1240												0.5	0.5		1.0
1240 / 1274															0.0
1274													0.5	0.5	1.0
TOTAL	0.1	0.2	2.7	12.6	38.8	108.2	203.8	265.6	201.1	108.1	47.8	8.1	1.5	0.5	0.5 1000.0

TABLE 245
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 120 (WSTHOM) WAIST HEIGHT, OMPHALION
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	654	686	718	750	782	814	846	878	910	942	974	1006	1038	TOTAL
832															0.0
832 / 866		0.6													0.6
866 / 900			1.1												1.1
900 / 934			2.3	2.3	0.6										5.1
934 / 968			1.1	11.3	16.9	1.7									31.0
968 / 1002				5.6	46.8	34.9	1.7								89.1
1002 / 1036				0.6	22.5	122.3	59.8	2.8							208.0
1036 / 1070					1.1	40.6	165.7	55.2	1.1						263.8
1070 / 1104						1.7	53.6	122.3	34.9	1.7					214.2
1104 / 1138							1.7	37.8	67.6	17.5					124.6
1138 / 1172								1.7	14.7	30.4	4.5				51.3
1172 / 1206									0.6	3.4	3.9	1.1			9.0
1206 / 1240											0.6	0.6			1.1
1240 / 1274															0.0
1274													0.6	0.6	1.1
TOTAL		0.6	4.5	19.7	87.9	201.2	282.4	219.8	118.9	53.0	9.0	1.7	0.6	0.6	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
120 WSTHOM	1058.805	50.929	0.935	196.712	1.030	18.052
39 CRCHHGHT	837.191	46.248	0.935	-61.916	0.849	16.393

TABLE 246
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 120 (WSTHOM) WAIST HEIGHT, OMPHALION
39 (CRCHHGHT) CROTCH HEIGHT

MIN / MAX	622	622 / 654	654 / 686	686 / 718	718 / 750	750 / 782	782 / 814	814 / 846	846 / 878	878 / 910	910 / 942	942 / 974	974 / 1006	1006 / 1038	TOTAL
832	0.5		0.5												0.9
832 / 866		0.9	5.0	0.9											6.8
866 / 900		1.4	13.1	17.7	2.7	0.5									35.3
900 / 934			2.7	52.1	54.8	5.4									115.0
934 / 968			0.5	14.5	123.2	95.1	3.6								236.9
968 / 1002				0.5	29.4	158.1	79.7	2.7							270.4
1002 / 1036					0.9	32.2	124.1	46.6	2.3						206.1
1036 / 1070							19.5	56.6	12.2	0.9					89.2
1070 / 1104							0.5	8.6	16.8	6.3					32.2
1104 / 1138									1.8	3.2	0.9				5.9
1138 / 1172										0.5		0.5			0.9
1172 / 1206											0.5				0.5
1206 / 1240															0.0
1240 / 1274															0.0
1274															0.0
TOTAL	0.5	2.3	21.7	85.6	211.1	291.2	227.4	114.6	33.1	10.9	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
120 WSTHOM	982.106	48.810	0.926	192.290	1.024	18.429
39 CRCHHGHT	771.351	44.143	0.926	-51.131	0.837	16.666

TABLE 247
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 125 (WEIGHT) WEIGHT
110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)

MIN / MAX	1360	1360 / 1399	1399 / 1438	1438 / 1477	1477 / 1516	1516 / 1555	1555 / 1594	1594 / 1633	1633 / 1672	1672 / 1711	1711 / 1750	1750 / 1789	1789 / 1828	1828 / 1867	1867	TOTAL
468	0.1	0.6	0.7	0.3	0.2											2.0
468 / 526	0.1	1.3	3.9	4.5	2.6	0.7	0.2									13.3
526 / 584	0.1	1.4	7.0	7.2	12.4	8.3	1.9		0.1							38.5
584 / 642		0.6	2.6	5.5	24.9	32.1	18.3	3.8	1.2	0.1						89.1
642 / 700				2.9	18.4	36.9	44.1	29.1	10.3	1.0						142.7
700 / 758				0.5	5.9	24.8	56.3	67.1	31.2	9.5	2.6					198.0
758 / 816					0.1	3.7	21.4	64.7	61.1	24.4	5.8	0.5				181.7
816 / 874						2.1	4.6	25.1	50.9	45.9	22.6	3.1				154.3
874 / 932							0.5	5.0	24.4	29.6	27.4	7.7	1.5			96.2
932 / 990								0.5	6.1	8.2	13.2	9.7	3.5	1.5		42.8
990 / 1048								0.5		4.6	5.0	11.2	4.6	1.5		27.4
1048 / 1106											1.5	1.0	3.5	2.5	0.5	9.1
1106 / 1164												0.5	0.5	1.0	0.5	2.5
1164 / 1222													0.5	0.5	0.5	1.5
1222															1.0	1.0
TOTAL	0.3	3.8	14.2	20.9	64.5	108.6	147.4	195.9	185.3	123.4	78.2	33.6	14.2	7.1	2.5	1000.0

TABLE 248
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 125 (WEIGHT) WEIGHT
110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)

MIN / MAX	1360	1360 / 1399	1399 / 1438	1438 / 1477	1477 / 1516	1516 / 1555	1555 / 1594	1594 / 1633	1633 / 1672	1672 / 1711	1711 / 1750	1750 / 1789	1789 / 1828	1828 / 1867	1867	TOTAL
468																0.0
468 / 526		0.6	0.6	1.7	0.6											3.4
526 / 584		1.1	4.5	1.7	5.6	3.4	1.1									17.5
584 / 642		0.6	2.3	2.8	18.6	24.8	13.5	2.3	1.1							66.0
642 / 700				2.8	17.5	34.4	42.3	28.7	10.1	1.1						137.0
700 / 758				0.6	6.2	26.5	59.2	71.0	32.7	10.1	2.8					209.1
758 / 816						3.9	23.1	70.5	66.5	26.5	6.2	0.6				197.3
816 / 874						2.3	5.1	27.6	55.8	50.7	24.8	3.4				169.7
874 / 932							0.6	5.6	27.1	32.7	30.4	8.5	1.7			106.5
932 / 990								0.6	6.8	9.0	14.7	10.7	3.9	1.7		47.4
990 / 1048								0.6		5.1	5.6	12.4	5.1	1.7		30.4
1048 / 1106											1.7	1.1	3.9	2.8	0.6	10.1
1106 / 1164												0.6	0.6	1.1	0.6	2.8
1164 / 1222													0.6	0.6	0.6	1.7
1222															1.1	1.1
TOTAL		2.3	7.3	9.6	48.5	95.3	144.9	206.9	200.1	135.3	86.2	37.2	15.8	7.9	2.8	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
125 WEIGHT	784.868	111.064	0.838	-1159.675	1.192	60.644
110 VTCUSA	1631.801	78.091	0.838	1169.420	0.589	42.639

TABLE 249
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 125 (WEIGHT) WEIGHT
110 (VTCUSA) VERTICAL TRUNK CIRCUMFERENCE (USA)

MIN / MAX	1360	1360 / 1399	1399 / 1438	1438 / 1477	1477 / 1516	1516 / 1555	1555 / 1594	1594 / 1633	1633 / 1672	1672 / 1711	1711 / 1750	1750 / 1789	1789 / 1828	1828 / 1867	1867	TOTAL
468	1.4	5.9	7.2	2.7	2.3											19.5
468 / 526	1.4	7.2	34.0	29.9	20.4	7.2	2.3									102.4
526 / 584	0.5	4.1	29.4	57.1	73.8	52.1	9.5		0.9							227.4
584 / 642		0.5	5.4	29.4	82.0	97.8	61.6	17.7	1.8	0.9						297.1
642 / 700				3.6	26.3	58.9	60.2	33.1	11.8							193.8
700 / 758					3.6	10.0	29.9	31.7	17.7	4.1	0.9					97.8
758 / 816					0.5	2.3	6.3	12.2	12.7	5.4	1.8					41.2
816 / 874							0.5	2.3	7.2	2.7	2.7	0.5				15.9
874 / 932									0.5	1.4	0.9	0.5				3.2
932 / 990										1.4		0.5				1.8
990 / 1048																0.0
1048 / 1106																0.0
1106 / 1164																0.0
1164 / 1222																0.0
1222																0.0
TOTAL	3.2	17.7	76.1	122.7	208.8	228.3	170.3	96.9	52.5	15.9	6.3	1.4				1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
125 WEIGHT	620.149	83.512	0.789	-837.316	0.952	51.295
110 VTCUSA	1530.192	69.200	0.789	1124.623	0.654	42.504

TABLE 250
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 125 (WEIGHT) WEIGHT
114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION

MIN / MAX		604 / 641	641 / 678	678 / 715	715 / 752	752 / 789	789 / 826	826 / 863	863 / 900	900 / 937	937 / 974	974 / 1011	1011 / 1048	1048 / 1085	1085	TOTAL
468	0.5	1.0	0.4	0.1												2.0
468 / 526	0.2	2.9	6.2	3.2	0.9											13.3
526 / 584	0.1	1.3	10.9	14.2	10.5	1.5	0.1									38.5
584 / 642		0.1	4.2	18.2	40.1	18.4	8.0	0.1	0.1							89.1
642 / 700			0.2	5.5	36.6	59.5	28.3	11.4	1.3							142.7
700 / 758				0.3	13.7	53.6	76.0	38.3	12.2	3.8						198.0
758 / 816					1.6	13.4	50.6	68.8	32.7	9.4	4.7	0.5				181.7
816 / 874					0.1	3.1	20.6	44.0	47.5	29.2	9.7	0.1				154.3
874 / 932							4.6	12.7	22.5	30.4	19.3	5.6	0.5	0.5		96.2
932 / 990								1.0	6.6	9.1	15.8	7.6	2.5			42.8
990 / 1048									2.1	7.1	6.1	7.6	4.6			27.4
1048 / 1106										0.5	2.1	3.1	3.1		0.5	9.1
1106 / 1164											1.0	0.5		0.5	0.5	2.5
1164 / 1222													0.5	1.0		1.5
1222														0.5	0.5	1.0
TOTAL	0.7	5.3	21.8	41.4	103.3	149.4	188.1	176.5	124.9	89.7	58.6	24.9	11.2	2.5	1.5	1000.0

TABLE 251
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 125 (WEIGHT) WEIGHT
114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION

MIN / MAX	604	641	678	715	752	789	826	863	900	937	974	1011	1048	1085	TOTAL
468															0.0
468 526			1.7	1.1	0.6										3.4
526 584			2.3	6.2	7.9	1.1									17.5
584 642			1.1	7.9	33.3	15.8	7.9								66.0
642 700				2.3	33.3	59.8	28.7	11.8	1.1						137.0
700 758					13.5	56.4	81.2	41.1	13.0	3.9					209.1
758 816					1.7	14.1	54.7	75.5	35.5	10.1	5.1	0.6			197.3
816 874						3.4	22.5	48.5	52.4	32.1	10.7				169.7
874 932							5.1	14.1	24.8	33.8	21.4	6.2	0.6	0.6	106.5
932 990								1.1	7.3	10.1	17.5	8.5	2.8		47.4
990 1048									2.3	7.9	6.8	8.5	5.1		30.4
1048 1106										0.6	2.3	3.4	3.4	0.6	10.1
1106 1164											1.1	0.6		0.6	0.6	2.8
1164 1222													0.6	1.1		1.7
1222														0.6	0.6	1.1
TOTAL		5.1	17.5	90.2	150.5	200.1	192.2	136.4	98.6	64.8	27.6	12.4	2.8	1.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
125 WEIGHT	784.868	111.064	0.856	-293.914	1.284	57.415
114 WSCIRCNI	839.912	74.028	0.856	392.049	0.571	38.269

TABLE 252
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 125 (WEIGHT) WEIGHT
114 (WSCIRCNI) WAIST CIRCUMFERENCE, NATURAL INDENTATION

MIN / MAX	604	641	678	715	752	789	826	863	900	937	974	1011	1048	1085	TOTAL
468 / 526	1.8	29.0	46.6	21.7	3.2										102.4
526 / 584	0.5	13.1	87.9	86.5	34.0	5.0	0.5								227.4
584 / 642		0.9	31.7	111.0	101.0	41.7	9.1	1.4	0.5						297.1
642 / 700			1.8	34.0	66.1	56.6	24.5	8.2	2.7						193.8
700 / 758				3.2	15.4	28.1	29.4	13.1	5.4	3.2					97.8
758 / 816					0.9	7.2	14.0	8.2	7.2	2.7	0.9				41.2
816 / 874					0.9	0.9	3.2	3.6	3.2	3.2	0.5	0.5			15.9
874 / 932								0.5	1.8		0.9				3.2
932 / 990									0.5	0.5	0.9				1.8
990 / 1048															0.0
1048 / 1106															0.0
1106 / 1164															0.0
1164 / 1222															0.0
1222															0.0
TOTAL	6.8	53.4	172.1	256.8	221.5	139.5	80.6	34.9	21.3	9.5	3.2	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
125 WEIGHT	620.149	83.512	0.817	-165.044	1.082	48.191
114 WSCIRCNI	725.522	63.028	0.817	343.226	0.616	36.371

TABLE 253
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 125 (WEIGHT) WEIGHT
115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION

MIN / MAX	644	644 / 683	683 / 722	722 / 761	761 / 800	800 / 839	839 / 878	878 / 917	917 / 956	956 / 995	995 / 1034	1034 / 1073	1073 / 1112	1112 / 1151	1151	TOTAL
468	0.4	0.9	0.3	0.4	0.1											2.0
468 / 526	0.4	4.4	4.9	2.5	0.7	0.4										13.3
526 / 584	0.1	3.8	14.0	13.0	4.8	2.1	0.6	0.1	0.1							38.5
584 / 642		0.3	17.4	32.8	20.3	12.8	4.2	0.9	0.2	0.1						89.1
642 / 700		0.1	3.5	29.5	54.2	31.3	18.2	4.0	1.4	0.3	0.1	0.2				142.7
700 / 758			1.0	11.8	51.8	62.1	40.7	23.8	4.2	2.0	0.4	0.1				198.0
758 / 816				1.5	12.2	39.3	59.5	41.4	19.9	7.0	0.6	0.1	0.1			181.7
816 / 874					3.5	16.7	33.6	43.8	35.3	18.8	2.4	0.1				154.3
874 / 932					0.5	3.5	9.1	16.2	19.3	28.5	13.7	4.6	0.6			96.2
932 / 990						0.5	1.0	4.0	7.6	12.1	13.3	3.1	1.0			42.8
990 / 1048									3.1	9.1	6.6	6.6	2.1			27.4
1048 / 1106									0.5	0.5	1.5	2.5	3.1		1.0	9.1
1106 / 1164										1.0		0.5		0.5	0.5	2.5
1164 / 1222													1.0	0.5		1.5
1222													0.5	0.5		1.0
TOTAL	0.9	9.3	41.1	91.6	148.2	168.8	167.2	134.3	91.5	79.5	38.4	17.8	8.3	1.5	1.5	1000.0

TABLE 254
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 125 (WEIGHT) WEIGHT
115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION

MIN / MAX	644	683	722	761	800	839	878	917	956	995	1034	1073	1112	1151	TOTAL
468															0.0
468 / 526		1.7	1.7												3.4
526 / 584		2.3	7.9	6.8	0.6										17.5
584 / 642			15.8	28.7	13.5	6.8	1.1								66.0
642 / 700			3.4	30.4	55.2	29.3	16.3	2.3							137.0
700 / 758			1.1	13.0	56.4	67.1	42.8	24.2	2.8	1.7					209.1
758 / 816				1.7	13.5	43.4	65.4	45.1	20.9	7.3					197.3
816 / 874					3.9	18.6	37.2	48.5	38.9	20.3	2.3				169.7
874 / 932					0.6	3.9	10.1	18.0	21.4	31.6	15.2	5.1	0.6		106.5
932 / 990						0.6	1.1	4.5	8.5	13.5	14.7	3.4	1.1		47.4
990 / 1048									3.4	10.1	7.3	7.3	2.3		30.4
1048 / 1106									0.6	0.6	1.7	2.8	3.4	1.1	10.1
1106 / 1164										1.1		0.6	0.6	0.6	2.8
1164 / 1222													1.1	0.6	1.7
1222													0.6	0.6	1.1
TOTAL		3.9	29.9	80.6	143.7	169.7	174.2	142.6	96.4	86.2	41.1	19.2	9.0	1.7	1.7 1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
125 WEIGHT	784.868	111.064	0.849	-156.637	1.092	58.647
115 WSCIRCOM	862.423	86.404	0.849	343.834	0.661	45.626

TABLE 255
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 125 (WEIGHT) WEIGHT
115 (WSCIRCOM) WAIST CIRCUMFERENCE, OMPHALION

MIN / MAX	644	683	722	761	800	839	878	917	956	995	1034	1073	1112	1151	TOTAL
468	4.1	8.6	2.7	3.6	0.5										19.5
468 / 526	4.1	28.5	34.0	24.9	6.8	4.1									102.4
526 / 584	0.5	17.2	68.8	68.8	43.0	20.8	6.3	1.4	0.5						227.4
584 / 642		3.2	31.3	69.7	82.0	66.6	32.2	8.6	2.3	1.4					297.1
642 / 700		0.5	4.5	21.7	45.3	48.9	35.3	19.0	13.6	2.7	0.5	1.8			193.8
700 / 758			0.5	1.4	10.9	17.2	22.2	19.9	16.8	5.0	3.6	0.5			97.8
758 / 816					0.5	2.7	6.8	8.6	10.9	4.5	5.9	0.9	0.5		41.2
816 / 874							1.4	1.8	3.2	5.0	3.2	1.4			15.9
874 / 932								0.5	0.5	0.9	0.5		0.9		3.2
932 / 990											0.9	0.5	0.5		1.8
990 / 1048															0.0
1048 / 1106															0.0
1106 / 1164															0.0
1164 / 1222															0.0
1222															0.0
TOTAL	8.6	58.0	141.8	190.2	188.9	160.3	104.2	59.8	47.6	19.5	14.5	5.0	1.8		1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
125 WEIGHT	620.149	83.512	0.764	8.831	0.772	53.834
115 WSCIRCOM	791.884	82.716	0.764	322.226	0.757	53.321

TABLE 256
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 125 (WEIGHT) WEIGHT
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN MAX	811	811 842	842 873	873 904	904 935	935 966	966 997	997 1028	1028 1059	1059 1090	1090 1121	1121 1152	1152 1183	1183 1214	1214	TOTAL
468	0.1	0.6	0.8	0.5												2.0
468 526	1.0	1.9	3.4	4.4	2.2	0.3	0.1									13.3
526 584		2.1	11.5	7.2	9.6	6.8	1.2	0.2								38.5
584 642		1.0	9.6	31.3	21.2	11.9	10.1	3.3	0.6							89.1
642 700			0.5	19.3	68.0	33.5	10.0	8.2	2.6	0.5						142.7
700 758				0.5	39.6	98.0	44.4	9.8	4.2	1.3	0.1	0.2				198.0
758 816					2.5	30.4	83.2	55.8	6.7	2.1	0.6	0.2				181.7
816 874						2.1	30.0	74.6	40.1	6.5	0.5	0.5	0.1			154.3
874 932							3.5	19.8	42.7	27.0	3.1	0.1	0.1			96.2
932 990								1.5	11.2	21.8	7.6	0.7		0.1		42.8
990 1048								0.5	2.1	8.1	11.2	5.6				27.4
1048 1106											2.5	6.1			0.5	9.1
1106 1164											1.0	0.5	1.0			2.5
1164 1222											0.5	0.5			0.5	1.5
1222													0.5		0.5	1.0
TOTAL	1.1	5.5	25.9	63.1	143.3	182.9	182.5	173.7	110.0	67.3	27.1	14.3	1.8	0.1	1.5	1000.0

TABLE 257
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 125 (WEIGHT) WEIGHT
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN / MAX	811	842	873	904	935	966	997	1028	1059	1090	1121	1152	1183	1214	TOTAL
468															0.0
468 / 526	1.1	1.7	0.6												3.4
526 / 584		2.3	12.4	2.3	0.6										17.5
584 / 642		1.1	10.7	34.4	18.6	1.1									66.0
642 / 700			0.6	21.4	75.5	34.9	3.9	0.6							137.0
700 / 758				0.6	44.0	108.8	48.5	7.3							209.1
758 / 816					2.8	33.8	92.4	61.4	6.2	0.6					197.3
816 / 874						2.3	33.3	82.9	44.5	6.8					169.7
874 / 932							3.9	22.0	47.4	29.9	3.4				106.5
932 / 990								1.7	12.4	24.2	8.5	0.6			47.4
990 / 1048								0.6	2.3	9.0	12.4	6.2			30.4
1048 / 1106											2.8	6.8		0.6	10.1
1106 / 1164											1.1	0.6	1.1		2.8
1164 / 1222											0.6	0.6		0.6	1.7
1222													0.6	0.6	1.1
TOTAL	1.1	5.1	24.2	58.6	141.5	180.9	182.1	176.4	112.7	70.5	28.7	14.7	1.7	1.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
125 WEIGHT	784.868	111.064	0.935	-858.495	1.671	39.307
24 BUTTCIRC	983.669	62.180	0.935	572.681	0.524	22.006

TABLE 258
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 125 (WEIGHT) WEIGHT
24 (BUTTCIRC) BUTTOCK CIRCUMFERENCE

MIN / MAX	811	842	873	904	935	966	997	1028	1059	1090	1121	1152	1183	1214	TOTAL
468	0.9	5.9	8.2	4.5											19.5
468 526		3.2	29.0	44.4	22.2	3.2	0.5								102.4
526 584			3.6	51.2	91.0	67.5	12.2	1.8							227.4
584 642				3.6	44.8	109.1	101.0	32.6	5.9						297.1
642 700					0.9	20.8	64.8	76.1	26.3	5.0					193.8
700 758						0.5	7.7	32.6	41.7	13.1	0.5	1.8			97.8
758 816								5.9	10.9	15.9	6.3	2.3			41.2
816 874									0.9	4.1	5.4	4.5	0.9		15.9
874 932										0.9	0.5	0.5	1.4		3.2
932 990												1.4		0.5	1.8
990 1048															0.0
1048 1106															0.0
1106 1164															0.0
1164 1222															0.0
1222															0.0
TOTAL	0.9	9.1	40.8	103.7	159.0	201.1	186.1	149.0	85.6	38.9	12.7	10.4	2.3	0.5	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
125 WEIGHT	620.149	83.512	0.897	-583.887	1.245	36.853
24 BUTTCIRC	966.885	60.183	0.897	565.818	0.647	26.558

TABLE 259
BIVARIATE FREQUENCY TABLES-COMBINED

VARIABLES 125 (WEIGHT) WEIGHT
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX		742 / 781	781 / 820	820 / 859	859 / 898	898 / 937	937 / 976	976 / 1015	1015 / 1054	1054 / 1093	1093 / 1132	1132 / 1171	1171 / 1210	1210 / 1249	1249 /	TOTAL
468	0.1	0.5	0.9	0.5	0.1											2.0
468 / 526		0.9	3.6	5.6	2.6	0.5	0.1									13.3
526 / 584		0.1	2.8	15.8	15.1	4.3	0.5	0.1								38.5
584 / 642			0.2	6.4	35.5	33.8	11.5	1.5	0.1							89.1
642 / 700			0.1	2.3	18.1	63.5	48.5	8.8	1.1	0.2						142.7
700 / 758					3.7	42.4	91.7	46.8	11.2	2.3	0.1					198.0
758 / 816					0.6	7.1	52.3	73.4	37.8	9.3	1.2					181.7
816 / 874						0.6	13.4	52.6	63.9	21.2	1.6	1.0	0.1			154.3
874 / 932						0.5	1.5	12.7	35.1	32.7	10.2	3.6				96.2
932 / 990								1.5	7.2	12.7	16.2	4.6	0.5			42.8
990 / 1048									1.5	10.6	8.6	4.6	2.1			27.4
1048 / 1106									0.5		2.5	5.0	0.5		0.5	9.1
1106 / 1164											1.5		1.0			2.5
1164 / 1222													1.0		0.5	1.5
1222 /														0.5	0.5	1.0
TOTAL	0.1	1.4	7.6	30.7	75.6	152.6	219.3	197.6	158.4	89.0	41.9	18.9	5.1	0.5	1.5	1000.0

TABLE 260
BIVARIATE FREQUENCY TABLE-MALES

VARIABLES 125 (WEIGHT) WEIGHT
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX	742	742 / 781	781 / 820	820 / 859	859 / 898	898 / 937	937 / 976	976 / 1015	1015 / 1054	1054 / 1093	1093 / 1132	1132 / 1171	1171 / 1210	1210 / 1249	1249	TOTAL
468																0.0
468 / 526		0.6	1.1	1.1	0.6											3.4
526 / 584			1.1	7.9	6.8	1.7										17.5
584 / 642				3.9	28.2	25.4	7.9	0.6								66.0
642 / 700				2.3	16.9	63.1	47.4	6.8	0.6							137.0
700 / 758					3.4	45.7	98.1	49.0	10.7	2.3						209.1
758 / 816					0.6	7.3	57.5	80.0	41.1	9.6	1.1					197.3
816 / 874						0.6	14.7	58.1	70.5	23.1	1.7	1.1				169.7
874 / 932						0.6	1.7	14.1	38.9	36.1	11.3	3.9				106.5
932 / 990								1.7	7.9	14.1	18.0	5.1	0.6			47.4
990 / 1048									1.7	11.8	9.6	5.1	2.3			30.4
1048 / 1106									0.6		2.8	5.6	0.6		0.6	10.1
1106 / 1164											1.7		1.1			2.8
1164 / 1222													1.1		0.6	1.7
1222														0.6	0.6	1.1
TOTAL		0.6	2.3	15.2	56.4	144.3	227.2	210.3	171.9	97.0	46.2	20.9	5.6	0.6	1.7	1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
125 WEIGHT	784.868	111.064	0.873	-606.940	1.404	54.195
34 CHSTCIRC	991.372	69.059	0.873	565.356	0.543	33.698

TABLE 261
BIVARIATE FREQUENCY TABLE-FEMALES

VARIABLES 125 (WEIGHT) WEIGHT
34 (CHSTCIRC) CHEST CIRCUMFERENCE

MIN / MAX		742 / 781	781 / 820	820 / 859	859 / 898	898 / 937	937 / 976	976 / 1015	1015 / 1054	1054 / 1093	1093 / 1132	1132 / 1171	1171 / 1210	1210 / 1249	1249	TOTAL
468 / 526	0.5	4.5	9.1	5.0	0.5											19.5
526 / 584		3.2	25.8	46.6	20.8	5.4	0.5									102.4
584 / 642		0.5	17.7	86.5	89.7	27.2	4.5	1.4								227.4
642 / 700			2.3	29.4	101.4	109.1	43.9	9.5	1.4							297.1
700 / 758			0.5	2.7	29.4	67.5	58.9	27.2	5.9	1.8						193.8
758 / 816					5.9	13.1	34.0	26.7	15.4	2.3	0.5					97.8
816 / 874					0.5	5.0	5.0	14.0	8.6	6.3	1.8					41.2
874 / 932						0.5	1.8	3.6	4.5	4.1	0.5	0.5	0.5			15.9
932 / 990								0.5	0.5	1.8		0.5				3.2
990 / 1048									0.5	0.5	0.5	0.5				1.8
1048 / 1106																0.0
1106 / 1164																0.0
1164 / 1222																0.0
1222																0.0
TOTAL	0.5	8.2	55.3	170.3	248.2	227.8	148.6	82.9	36.7	16.8	3.2	1.4	0.5			1000.0

BIVARIATE REGRESSION RESULTS:

DEPENDENT VARIABLE	MEAN	SD	r	INTERCEPT	SLOPE	SE(EST)
125 WEIGHT	620.149	83.512	0.806	-340.827	1.059	49.469
34 CHSTCIRC	907.081	63.517	0.806	527.019	0.613	37.625

REFERENCES

1. Gordon, Claire C., Thomas Churchill, Charles E. Clauser, Bruce Bratmiller, John T. McConville, Ilse Tebbetts and Robert A. Walker. 1988 Anthropometry Survey of U.S. Army Personnel: Methods and Summary Statistics Report. Technical Report NATICK/TR-89/044. U.S. Army Natick Research, Development and Engineering Center, Natick, Massachusetts.

2. White, Robert M. and Edmund Churchill. 1971. The Body Size of Soldiers, U.S. Army Anthropometry - 1966. Technical Report 72-51-CE (AD 743 465). U.S. Army Natick Laboratories, Natick, Massachusetts.

3. Churchill, Edmund, Thomas Churchill, John T. McConville and Robert M. White. 1977. Anthropometry of Women of the U.S. Army--1977; Report No. 2 - The Basic Univariate Statistics. Technical Report NATICK/TR-77/024 (AD A044 806). U.S. Army Natick Research and Development Command, Natick, Massachusetts.

4. Army Demographic Data, June 1988. Project No. M001443. Defense Manpower Data Center, 1600 Wilson Blvd., Suite 400, Arlington, Virginia.

5. Cheverud, James, Claire C. Gordon, Robert Walker, Cashell Jaquish, Luci Kohn, Allen Moore, and Nyuta Yamashita. 1990. Anthropometry Survey of U.S. Army Personnel: Correlation and Regression Statistics. Technical Report NATICK/TR-90/022. U.S. Army Natick Research, Development and Engineering Center, Natick, Massachusetts.

6. Clauser, Charles, Ilse Tebbetts, Bruce Bradtmiller, John McConville and Claire C. Gordon. 1988. Measurer's Handbook: U.S. Army Anthropometric Survey 1987-1988. Technical Report NATICK/TR-88/043 (AD A202 721). U.S. Army Natick Research, Development and Engineering Center, Natick, Massachusetts.

INDEX

The first page listed for each variable identifies the location of the measurement definition. The other pages identified in the index are for the combined sex bivariate frequency tables in which that variable appears. The variable will also appear on the two following pages in the male and female bivariate frequency tables, respectively. Each index entry contains the variable name followed by the standard eight character abbreviation and data base variable number.

DEPARTMENT OF THE ARMY
US ARMY NATICK RESEARCH, DEVELOPMENT, AND
ENGINEERING CENTER
NATICK, MASSACHUSETTS 01760-5000

OFFICIAL BUSINESS