

UNIVERSITY OF SOUTH FLORIDA

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"Well, I messed that up" Learning through simulations and reflection

Kelsey L. Merlo, Ph.D.

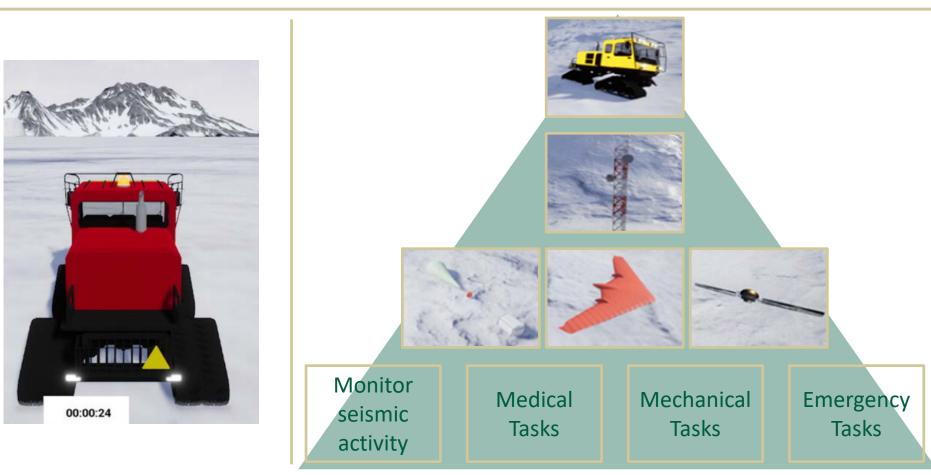
Learning in the moment

Learning in reflection



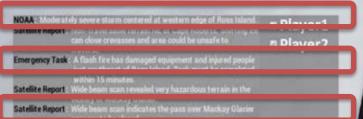


Surviving Calamity in the Arctic





My Score: 0





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Medical - 6

Technical - 15

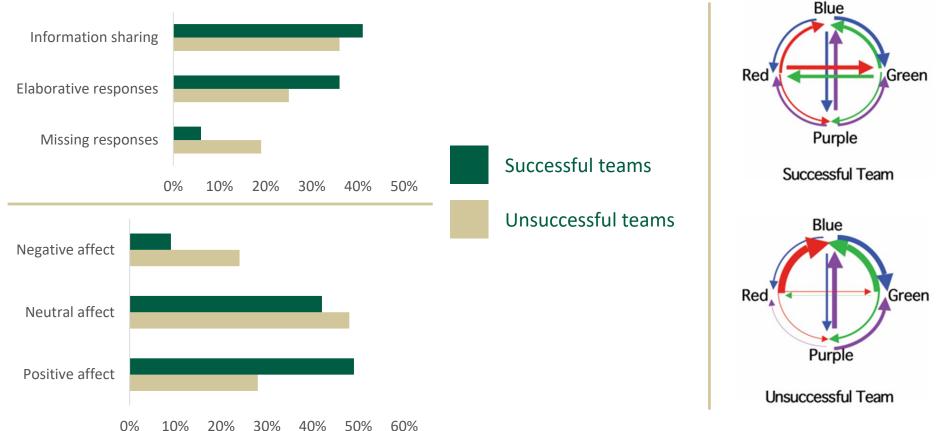
Scout - 18

Mechanical - 9

Terrain - 9

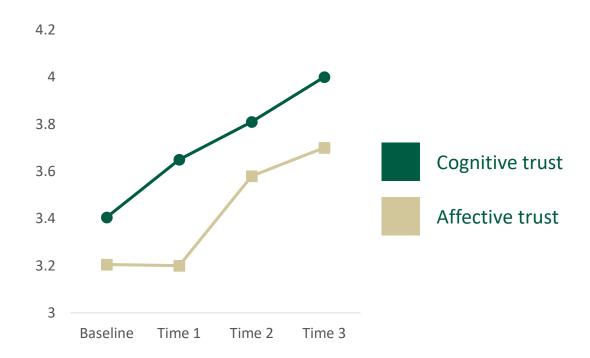
Fuel: 39.89 Liters 25 km/h

Successful and unsuccessful teams communicate differently



Fischer, McDonnell, & Orasanu, 2007

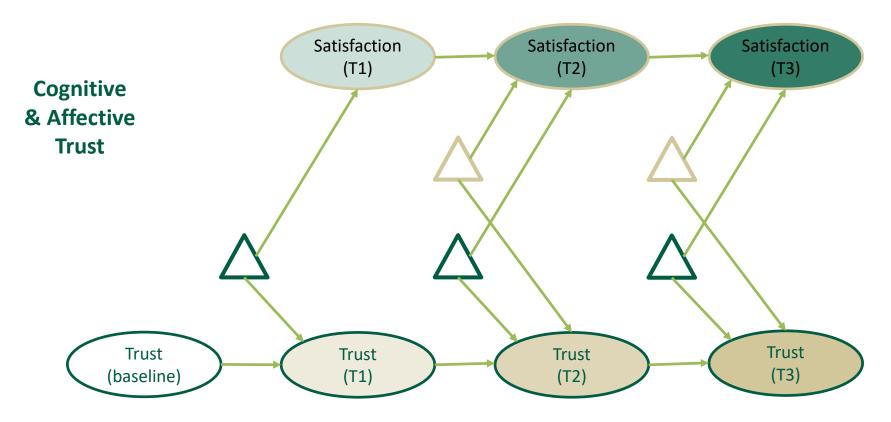
Trust develops over time in teams



Coovert, Miller & Bennett, 2017

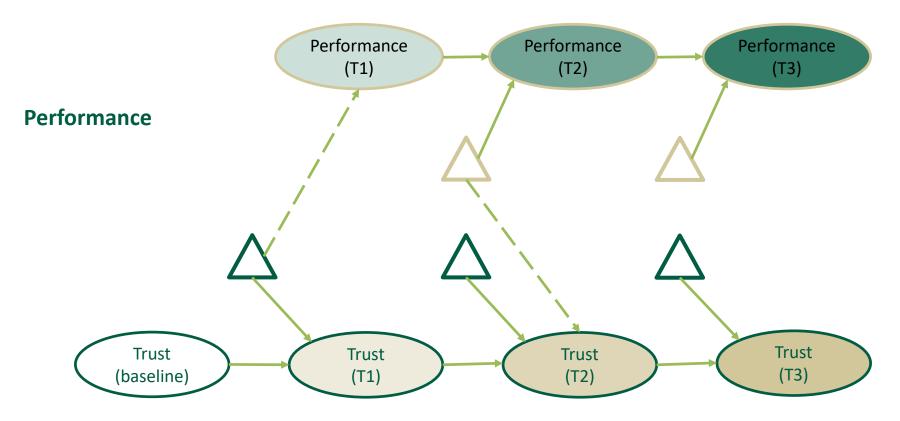
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Trust over time influences team satisfaction



Coovert, Miller & Bennett, 2017

Trust over time has a more mixed relationship with performance



Coovert, Miller & Bennett, 2017

Questions



What are the important behavioral indicators?

How does communication change?

Are there tipping points for interventions?

Learning in the moment

Learning in reflection





Learning from our experiences







Learning from our experiences



Autobiographical reasoning – process of reasoning, interpreting, and evaluating the events in our lives to gain inferences, lessons, and insight

Singer & Bluck, 2001

Learning from our experiences

Lesson learning – specific lesson from a specific event

I learned that next time I need to just use this tool.

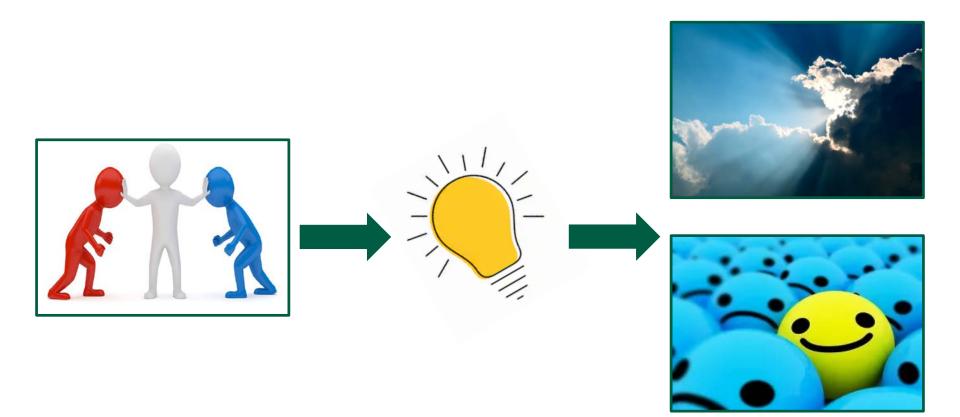


Insight learning – gaining a larger meaning from the event

I learned that the Army does things for a reason, even if that reason isn't obvious at first.



Insightful learning



McLean & Thorne, 2003

McLean & Pratt, 2006



"Failure is going to happen, you have to accept it. I learned a lot about myself

I need to go back. I will go back.

I need to go back so that I can demonstrate to my future Soldiers that you can fail but just get up, dust your shoulders off, put one foot in front of the other and Charlie Mike because the mission still needs to be accomplished."

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Questions



How do we facilitate insightful learning?

How do we share insights with others?

How do our insights guide our behavior?

Learning in the moment

Learning in reflection







Thank you!

Questions?

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14. ABSTRACT						
Beyond Multiple Choice gathers industry leaders in e-assessment, educators advancing the implementation of next-						
generation approaches, and researchers involved in evaluating efficacy and efficiency of assessment. Dr. Merlo, the						
opening keynote speaker, presented two projects. The first project focused on learning in the moment using a serious						
game to look at the co-development of trust and team performance. The second project focused on learning via reflection. Self-defining memories are emotional and vivid memories connected to an individual's long-term goals and						
sense of self. This study examines how individuals connect and understand these memories. A mixed method design						
was used to collect information about U.S. Army Soldiers' self-defining memories and how the information contained in						
these memories is used to influence how they think about themselves, their organization, and their behavioral						
intentions.						
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