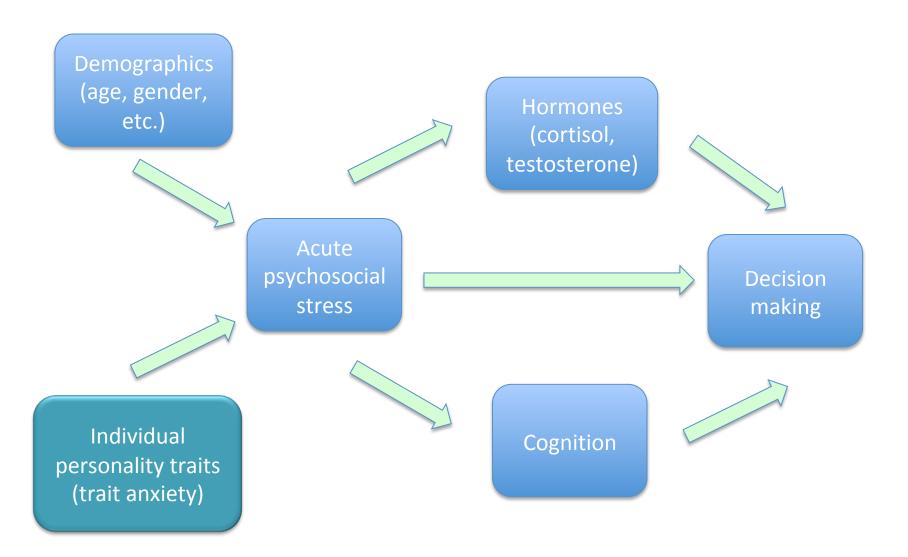
A digital survey investigation of the construct validity of the Trait Anxiety Inventory in the UChicago community

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Background



Research Question

- In my study, to save money/time, some of these trait questionnaires are taken <u>outside</u> of the lab.
- RQ: How strong is the construct validity of the Trait Anxiety Inventory in my dissertation research population; specifically, does setting, time of day, and mood relate to trait anxiety responses of UChicago community members when the T.A.I. is completed outside of a controlled laboratory setting?

What do we know?

- The State-Trait Anxiety Inventory
 - Long standing, frequently used, sensitive, valid
 (Spielberger, 1989; Chapman & Cox, 1977)
 - Retest correlations show reliability (Spielberger et al, 1983)

 Benefits of online questionnaire vs. in person questionnaire (Murthy, 2008)

What don't we know?

- Risks of digital questionnaire
 - In person, have more environmental control
- Is the trait anxiety inventory susceptible to this risk?
 - Extraneous effects of mood, time of day, and setting
- Stability of responses of specific UChicago student population
 - Stressful environment

Model / Theory

- In person vs. digital survey distribution
- If the TAI measures trait anxiety as a stable trait, then <u>trait anxiety scores</u> should not by statistically significantly related to <u>setting</u> <u>factors</u> that are not stable, such as:
 - Time of day
 - Mood
 - Setting (where the survey was taken)

Methods

- Qualtrics survey (digitally administered)
 - Administer the TAI
 - Administer post-survey questions:
 - Time of day
 - Setting
 - Mood
- Qualtrics
 - Software that enables users to collect and analyze data online
 - Benefits of digital design

Methods

- Recruitment:
 - Goal: To test questionnaire validity within UChicago sample
 - Population: UChicago community
 - Sampling frame: UChicago community members accessible via listservs, Martketplace, Facebook
 - Sample: actual respondents of recruitment
 - Target: 200 respondents

Analyses

- Descriptive statistics:
 - Distribution of anxiety scores
- Regression model:
 - Exogenous variables:
 - Setting, time of day, mood
 - Endogenous variable:
 - Trait anxiety score

Connection to research question: If extraneous factors of setting do not negatively affect questionnaire responses, we should see no relationship between the extraneous / exogenous variables and anxiety scores.

Questions?

References:

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