

An introduction to Psychometric Theory with applications in R Final Project

William Revelle

Department of Psychology
Northwestern University
Evanston, Illinois USA



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Final Project assignment

1. "Students will be expected to write a short paper demonstrating the use of psychometrics applied to their particular research interests." (From the syllabus)
2. What does this mean?
3. A short ($\approx 8 - 12$ pages) paper describing a theoretical question, a data collection strategy, and a psychometrically inspired data analytic strategy.
4. Follow standard APA/APS style, but with figures and results embedded in the paper rather than as tables/figures at the end.
5. My interest is not just what you learned, but why you found the concepts of the course useful (if you did), and how you could apply them to the data in your specialty.

Psychometrics as a way of thinking

1. Psychometrics is not just one set of rules to follow. It is a framework for thinking quantitatively about data.
2. What are possible models to use, how does one choose, how does one decide if a model is better than another model.