

Examination of measurement invariance. One of two options:

- I. Option I: Complete the tests of measurement invariance using the data initially presented in Class 7. In those classes, we examined invariance of the “Sports” factor. For this option:
 - a. Conduct measurement invariance analyses across sex for the Well-Being Factor.
 - b. Using the best fitting models from tests of measurement invariance for the “Sports” and Well-being factors, test for sex differences in the relationship between these latent factors.
 - i. Hint: this will involve model comparisons to evaluate the presence of moderation
 - c. Present all results as if they were being prepared for publication, include all relevant text and tables (e.g., correlation matrices; tables with model fit comparisons).
- II. Option II: Conduct tests of measurement invariance using your own data.
 - a. These tests can be conducted using either between group OR longitudinal comparisons.
 - b. Present all results as if they were being prepared for publication, include all relevant text and tables (e.g., correlation matrices; tables with model fit comparisons [e.g. Class 7 slide 31]).

For either option, if measurement invariance fails at any level, attempt to achieve partial measurement invariance.