

Longitudinal Structural Equation Modeling by Todd D. Little
Chapter 5 Reading Questions

1. Model fit is evaluated by...
 - A. How closely the model represents the theory
 - B. The reliability of the indicators
 - C. How closely the model represents the observed data**
 - D. How well the model supports the research questions

2. What is the purpose of a Null Model?
 - A. To represent the best fitting model possible
 - B. To serve as a reference point for absolute measures of model fit
 - C. To accurately represent the observed variance-covariance structure
 - D. To serve as a reference point for relative measures of model fit**

3. Which of these tests represents a statistical test of model fit?
 - A. Using SRMR to evaluate how much a model has improved from the null model
 - B. Using CFI to evaluate how much a model has worsened from the saturated model
 - C. Using the χ^2 to evaluate how well the Σ matrix reproduces the **S** matrix**
 - D. Using the AIC to evaluate the model's information criterion

4. When evaluating model fit, an **RMSEA** of .096 would indicate...
 - A. Poor fit
 - B. Mediocre fit**
 - C. Acceptable fit
 - D. Close fit
 - E. Exact fit

5. When evaluating model fit, an **SRMR** of .035 would indicate...
 - A. Poor fit
 - B. Mediocre fit
 - C. Acceptable fit
 - D. Close fit**
 - E. Exact fit

6. When evaluating model fit, a **TLI** of .835 would indicate...
 - A. Poor fit**
 - B. Mediocre fit
 - C. Acceptable fit
 - D. Close fit
 - E. Exact fit

7. When evaluating model fit, a **CFI** of .988 would indicate...
 - A. Poor fit
 - B. Mediocre fit
 - C. Acceptable fit
 - D. Close fit**
 - E. Exact fit

8. A power analysis for overall model fit requires which piece of information?
- A. Number of measured variables
 - B. Number of degrees of freedom
 - C. Criterion for model fit
 - D. All of the above**
9. Which fit indice is a measurement of **absolute** fit?
- A. χ^2
 - B. CFI and TIL
 - C. RMSEA and SRMR**
 - D. AIC and BIC
10. Which fit indice is a measurement of **relative** fit?
- A. χ^2
 - B. CFI and TIL**
 - C. RMSEA and SRMR
 - D. AIC and BIC