

Psychology 8031

Assignment 10 – Due by 5PM on December 4

Conduct a CFA using at least 10 measured variables. These could be items from the same measure or scale scores from multiple measures. Describe the analysis that you conducted and the results that you obtained.

1. Describe the structure of the model. Was there a single latent factor, or multiple latent factors? What were the observed variables that each of the latent factors influenced?
2. Describe the fit of the model. This should involve the chi-square, RMSEA, and CFI.
3. Estimate a second model using the ALL OF THE SAME variables. This model can be either nested or non-nested. If the model is nested, use a chi-square difference test to determine whether the models fit the data differently. If the models are non-nested, compare the models using the AIC and BIC.