PSY 315H, Path Analysis (DA#1)

Due Monday, 11/4

The following model is Figure 5 from Redick et al. (2016). In this model, working memory capacity: complexity tasks (WMC) indirectly affects multitasking (MULTI) through both attention (ATTN) and WMC-capacity-only tasks. The direct path between WMC and multitasking is about zero.



The task for this project is to conceptually replicate Redick et al.’s (2016) Figure 5 using a path model. Pick one measure (e.g., one manifest variable) from each latent factor to test the relationship presented in figure 5. Create, evaluate, and compare the following models (using a chi-square difference test):

1. A model with a direct path between WMC and Multitasking
2. A model without the direct path between WMC and Multitasking

Write up your results according to the DA template for this class. Refer to Redick et al. (2016) for your introduction/methods section and for a description of variables within their study. Include relevant output in an attached document. Include a figure for your preferred model of publishable quality. Submit all documents by the posted deadline.

**Note: in your discussion section, include a brief analysis of how your relationship compares to figure 5 of Redick et al. (2016). That is, compare how your path analysis is similar and different to their full SEM analysis.**