**Assignment 6: Growth Curve Model II**

(Own Data)

This assignment is intended to familiarize you with fitting multilevel growth curve model with time-varying predictors.

**Assignment**

1. Select a variable in your data for modeling over time. (1 variable, at least 3 occasions). Prepare a person-period (i.e., multiple records per person, “long”) data set for use. Use the same variable and data as Assignment 5.
2. Select a time-varying predictor of interest (categorical or continuous)
3. Determine how to best model the time-varying predictor and run the analysis. Consider the following in the modeling process:
   1. Is *time* properly scaled?
   2. How does the predictor affect the DV as specified by your model? Is your model consistent with theory?
   3. Do you need to center your time-varying predictor? How does centering affect your results?
4. Write out the equations of your final model
5. Make a table for your final model as would appear in a paper
6. Write a few sentences reporting the results
7. Include the code you used to complete the assignment.

\*\*Prepare the text, tables, and figures in a format that conforms to APA style.

**Please upload your completed assignment to Canvas by the beginning of class in Week 7.**