**Assignment 3: ANOVA Approach to Longitudinal Data I**

(Own Data)

This assignment is intended to gain familiarity with the ANOVA approach to longitudinal data.

**Assignment**

1. Select a variable in your data for modeling over time. (1 variable, at least 3 occasions). Use the same variable and data as Assignment 2.
2. Repeated Measures ANOVA
   1. Run repeated measures ANOVA using the ezANOVA function in the “ez” package
   2. Decide whether you use the univariate or multivariate test, and justify your decision
   3. If you decide to use the univariate test, test for polynomial contrasts (e.g., linear, quadratic time effects) with proper time spacing using the aov function
   4. If you decide to use the multivariate test, run the multivariate test (i.e., the MANOVA approach)
   5. Write a few sentences reporting the results and their interpretation.
3. 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 4.**