**PSQF 7375 section 0006 Advanced Longitudinal Models Project Outline (5 points)   
Due Monday 3/10/2025 by 11:59 PM via ICON  
Revisions (if requested) Due Monday 4/7/2025 by 11:59 PM via ICON**  
Please submit this document (in .docx, .doc, or .rtf format) using this naming convention:  
PSQF7375\_Lastname\_ Firstname\_Outline  
If you are working with a partner, only one of you needs to submit this document.

The object of the course project (which will consist of this outline, class presentation, and peer feedback) is for you to practice application of longitudinal modeling to data you care about. Ideally your model will resemble something we will have covered in this class by April 3, but I can be flexible so long as there is a longitudinal component to the analysis (and it exceeds the level of complexity of PSQF 6271 with only time-invariant predictors). Please answer the following questions about the data and process you plan to use.

1. Are you working with a partner? Please provide their full name if so.
2. Presentations may be scheduled for April 15, 17, 22, 24, 29, and May 1:
   1. Are there any dates for which you CANNOT present to the class in person   
      (i.e., you will be out of town or otherwise unavailable)?
   2. Do you have a preference for when you’d like to present? (Please note I cannot guarantee that everyone’s preferences will be accommodated). If you don’t have a specific date but prefer to go earlier, middle, or later, please tell me that instead.
3. Briefly describe the sampling design underlying your data, including:
   1. How many people (or other type of level-2 unit sampled repeatedly)?
   2. How many occasions (or repeated measures) per level-2 unit?
   3. Are there other relevant sources of nesting or crossing (e.g., students nested in schools) that will need to be addressed in your model(s)?
   4. Am I already familiar with these data? Remind me how if so (e.g., previous conversation or class homework).
4. Your project should include at least 3–4 variables of interest. Please list each variable and describe the following:
   1. The construct that it refers to (i.e., what it is supposed to measure)
   2. How it is measured (i.e., quantitative or categorical; how many categories)
   3. Its sources of variation (i.e., across persons, over time, or both)
   4. The extent of any missing data (i.e., a lot, a little, none)
5. What do you want to know with respect to these variables?
   1. Describe your research questions as best you can.
   2. What kind of model(s) do you envision? Please provide a preliminary description, and I will try to help you figure this out.