Team Members:

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**Outline**

A basic outline of the final project is due at the end of Week 5. The outline should include a description of the data to be used, a discussion of what preparatory work will need to be done, and how the requirements of the final project will be met. The outline is intended to be low-stakes and is primarily designed to be a means for you to obtain feedback on the feasibility of the project and areas to consider.

**Description of the data:**

*Background:* In Spring 2024, a sample of Oregon teachers completed a survey to better understand teacher emotion regulation, stress/well-being, quality of life, and their mental health literacy self-efficacy (i.e., how efficacious do they feel in recognizing and supporting student mental health concerns). The Institutional Review Board (IRB) for the University of Oregon approved this study in January 2024.

*Demographic data collected*: age, race, gender, sexual orientation, educator status, highest level of education, number of years teaching, general education or special education, school type (public/charter), school location, school level, size of school, use of mental health system (yes/no/not sure)

*Surveys:* The following questionnaires were included in the survey:

1. Quality of Life (Professional Quality of Life, n=30)
2. School Mental Health Self-Efficacy Teacher Survey (SMH-SETS, n=15)
3. Emotion Regulation (Emotion Regulation Questionnaire, n=10)
4. Teacher Turnover (n=3)
   1. Ex. Will they leave profession within the next 5 years (4 options, least to most likely)

**Preparatory Work:**

We’ll need to set up the environment, ensure all project members can access the collaborative document, de identify the data to comply with ethical research practices and data analysis transparency, remove fake data based on predetermined exclusion criteria, rename variables to make them cleaner and easier to use, change variable types as necessary (i.e., string to factor) and inspect missingness.

**Plan to meet Requirements:**

We plan to meet the requirements for the final presentation by cleaning the data using the required functions (mutate, select, filter, etc.) for the demographic and survey data. We also plan to do three exploratory data visualizations by plotting associations between categorical and continuous (mental health efficacy by school type and mental health system), or continuous and continuous variables (mental health efficacy by years teaching).

We plan to present demographic information in tables by presenting percentages and counts for race, gender, age, educator status, highest level of education, etc. We may try to present results from a fitted model to investigate the relationship between type of school (public vs. charter) on likelihood to have comprehensive mental health systems. We might also investigate the relationship between schools having a comprehensive mental health system and teachers’ self-efficacy in mental health literacy after controlling for demographic variables.