**Plan for PSQF 6270 HW5: Generalized Linear Models on Your Own Data (2 points)
Due Monday 4/3/2023 by 11:59 PM under “assignments” in ICON

Please submit this document in an editable format (e.g., .docx or .rtf extension)
using this file-naming convention: PSQF6270\_Lastname\_Firstname\_Plan**

The goal of HW5 is for you to practice conducting and reporting analyses using generalized linear models on real data. Ideally these analyses would focus on data you already care about in the context of your research or employment (i.e., in which these analyses could serve as the basis for a future conference presentation or manuscript to be submitted for publication). If needed, however, you can also use publicly available data, such as from these example sources:

ICPSR: <https://www.icpsr.umich.edu/web/pages/ICPSR/index.html>

Berkely archives: <https://sda.berkeley.edu/archive.htm>

Harvard archives: <https://dataverse.harvard.edu/>

Early Childhood Longitudinal Studies: <https://nces.ed.gov/ecls/dataproducts.asp>

Your analyses should include 4–6 variables in total, in which 1–2 would be treated as outcomes and the rest would be treated as predictors. The type of outcome(s) you have will logically dictate which type of model(s) you use—I would recommend choosing them based on what we have covered in class, but I will allow exceptions if sufficiently motivated. Ideally your data would include only a single dimension of sampling (i.e., not longitudinal or clustered), but I will allow exceptions to this as well if you have had other coursework addressing these extensions.

Please answer the questions below so that I can provide feedback on your analysis plan:

1. Briefly describe the sample and its salient characteristics, including total sample size and any additional sources of nesting or crossing for multilevel sampling designs.

Answer:
2. Briefly describe each of the 4–5 variables of interest, including what construct it measures, its available sample size, and its format (e.g., binary, ordinal, nominal, quantitative; number of categories or range of possible values).

Answer:
3. What do you want to know with respect to these variables? Briefly describe your research questions as best you can, as well as the models you plan to estimate to answer them. I will try to help you figure out this part as needed.

Answer: