**PSQF 6270 HW5: Generalized Linear Models on Your Own Data (17 points)
Due Monday 4/24/2023 by 11:59 PM under “assignments” in ICON

Please submit HW5 in an editable format (e.g., .docx or .rtf extension)
using this file-naming convention: PSQF6270\_Lastname\_Firstname\_HW5**

The goal of HW5 is for you to practice conducting analyses using generalized linear models on real data (either your own or public use data, as described the HW5 Plan document). The list below describes all of the elements to be included, but I DO NOT WANT THIS LIST BACK. Instead, prepare a report using APA style (or whichever alternative format is most common in your discipline) that contains these elements. I want you to get practice with all relevant aspects of technical writing, including transitions between sections, contextual phrasing, and describing the contents of your tables and figures. You may use my example results sections or those from homework as templates, but they need to be customized to match your specific analyses.

HW5 must be at least ¾ complete (with respect to points attempted) before it will be accepted, and late submissions will receive a –2 point penalty. You will have the chance to revise your HW5 once for full credit (except any late points), which will be due at the end of finals week.

**Items (and their point values) to be included (you can earn up to 2 points for writing quality and proper use of APA style):**

1. Write a short “purpose of the present study” section (2–3 paragraphs at most) that briefly introduces your topic area and presents your research questions. **(2 points)**
2. Write a short method section that contains only the most relevant information about your sample and measures/stimuli/design. You may organize this information in whatever format is typically used in journals in your discipline. Include a table of descriptive statistics and sample size for all variables used in your analyses (e.g., Mean, SD, Minimum, and Maximum for quantitative variables; frequencies per category for categorical variables). **(3 points)**
3. Begin the results section with text for “analytic strategy” that describes the modeling approach(es) you are using, including what software, what type of model, and any other relevant considerations (i.e., why you chose this approach if there were multiple plausible approaches). Any consideration of conditional distribution fit would go in this section as well. The idea is that the reader should be able to replicate your analyses with the info given.
**(3 points)**
4. Write the remainder of the results section with text for “findings” to summarize the results your analyses. Model equations can be provided if you wish. The text should be phrased as explicit answers to your research questions to the greatest extent possible. Interpret all fixed effects in terms of direction and significance and provide corresponding effect sizes. Include at least one table of model parameter estimates and one figure that illustrates your findings. **(6 points)**
5. Write the beginning of a discussion section that summarizes the results as explicit answers to the questions you started with (1–2 paragraphs at most). **(1 point)**