DATA 211 Course Project (Adopted from Dear Data project)

**Objective**

The goal of this project is to apply visualization skills and analysis skills to your daily life. You will be asked to collect your own data over a two-week period, visualize the data and analyze the data.

**Requirements**

You will be collecting data about your **daily life on one topic** (e.g. amount of sleep, amount of coffee consumption etc.) of your own choice over a two-week period. Come up with the question that you can answer using your data (e.g. Is your average amount of sleep less than the recommended 8 hours by National Sleep Foundation). Formulate the null and alternative hypotheses to answer your question. Generate appropriate graphs to show your data (at least one graph) and explain your findings. Perform a T-test, a Z-test or a simple linear regression to answer your question.

On November 30th, 2022, you will be making a PowerPoint presentation to the class. The presentation should be limited in 8 minutes with about 1 minute for questions and transition.

You need to include enough graphs and tables and report your statistical analysis in your presentation. All figures and tables should be appropriately labeled.

**Grading**

The grading of this project will be based on your presentation on November 30th and your GitHub repository. The presentation evaluation form is on d2l. Both students and the instructor will be evaluating your presentation using that form. The instructor’s evaluation counts for 60% and the average of the students’ evaluation counts for 30% of your project grade.

**Due Date**

The project is due on November 29th 11:59pm 2022 and should be submitted to our D2L course site. You will need to submit your slides to the drop box. Late submission will lose ten points per calendar day late.

**GitHub Development**

The presentation should be uploaded to your GitHub account too, and shared with me. You can either put your GitHub link at your last slide, or upload the link to the project drop box. The GitHub repository will count for 10% of your grade. The instruction of creating a GitHub repository is on D2L project folder.

Dear Data Project

<http://www.dear-data.com/theproject>