

# Project 1 Info: Data Visualization

## Project Overview

The first course project will use a dataset of your choice to explore data visualization. For the report, you should identify a research question of interest to explore with data visualization. I'd expect at least 3 or 4 different graphics in this report.

The report should contain sections such as introduction, data overview + data visualization, and discussion. The following is a rubric that will be used to assess the report. All items are graded with the following scheme, where some have multipliers:

1. **No Credit:** Criterion was not addressed or was written in a way that was not understandable.
2. **Beginning:** Ideas are not clear and supporting ideas are not presented.
3. **Developing:** Ideas are identified but not well supported and developed or are minimally supported and developed.
4. **Advanced:** Ideas are clearly identified and are adequately supported and developed.

Report generalities	Points
Spelling, grammar, writing clarity	12
Paragraphs, section labels	4
Appendix with complete code	4
Figures (reporting, labels, captions) included in text	4
Acknowledgements for other resources / Citations for papers and packages used	4

Introduction	Points
Project motivation	4
Sample size(s)	4
Research question	4

Data Overview + Visualization	Points
Data source and study design	4
Variables with units and descriptive statistics	4
Figure Titles and Labels	4
Figure Captions	4
Figure Clarity	8
Figure Quality	8

Discussion	Points
Reframe research question	4
Summarize findings from data visualization	4