

Project 2 Grading Rubric

Each aspect of the project will be graded on a competency-based scale ranging from Exceeds expectations to Meets expectations, Needs improvement, Unsatisfactory, and Failing. These levels approximately correspond to grades A, B, C, D, and F, respectively. Half grades may be assigned to work that falls between two proficiency levels.

	Exceeds expectations	Meets expectations	Needs improvement	Unsatisfactory	Failing
Introduction	The introduction provides a clear explanation of the question and the dataset used to answer the question, including a description of all relevant variables in the dataset. 5pts	Introduction has minor flaws, e.g. is too short or too long. 4pts	Introduction has one major flaw, such as not describing the relevant variables in the dataset. 3pts	Introduction has multiple major flaws. 2pts	Entirely incorrect/not attempted. 0pts
Justification of approach	The chosen analysis approach and visualizations are clearly explained and justified. 5pts	Justification of approach has minor flaws, e.g. is too short or too long. 4pts	Justification of approach has one major flaw, e.g. a visualization is not justified or is incorrect. 3pts	Justification of approach has multiple major flaws. 2pts	Entirely incorrect/not attempted. 0pts
Question 1	Question is interesting, appropriate for the dataset, and conceptual. 10pts	Question is conceptual and appropriate for the dataset but lacks depth or insight. 8pts	Question is either overly technical or vague, or prompts one particular analysis. 6pts	Question is not a question or does not relate to the given dataset. 4pts	Not attempted. 0pts
Question 2	Question is interesting, appropriate for the dataset, and conceptual. 10pts	Question is conceptual and appropriate for the dataset but lacks depth or insight. 8pts	Question is either overly technical or vague, or prompts one particular analysis. 6pts	Question is not a question or does not relate to the given dataset. 4pts	Not attempted. 0pts
Code	Code is correct, easy to read, properly formatted, and properly documented. 10pts	Code is correct but has minor problems with formatting or documentation. 8pts	Code has minor flaws or includes extraneous parts. 6pts	Code has major flaws. 4pts	Entirely incorrect/not attempted. 0pts
Data wrangling	Data wrangling is correct and appropriate for the project. Three or more functions are used. 10pts	Data wrangling has some minor flaws but is otherwise correct. Three or more functions are used. 8pts	Data wrangling has some flaws, or only two functions are used. 6pts	Data wrangling has major flaws, or only one function is used. 4pts	Entirely incorrect/not attempted. 0pts
Visualization, Q1	The visualization is appropriate, easy to read, properly labeled, and nicely styled. 10pts	The visualizations has a minor flaw, such as with legibility or labeling, or the chosen geom is suboptimal, or there are minor problems with styling. 8pts	The visualization has a substantial flaw with legibility or labeling, or is confusing, or has not been styled. 6pts	The visualization has a major flaw, i.e., it is barely comprehensible or entirely inappropriate. 4pts	Entirely incorrect/not attempted. 0pts
Visualization, Q2	The visualization is appropriate, easy to read, properly labeled, and nicely styled. 10pts	The visualizations has a minor flaw, such as with legibility or labeling, or the chosen geom is suboptimal, or there are minor problems with styling. 8pts	The visualization has a substantial flaw with legibility or labeling, or is confusing, or has not been styled. 6pts	The visualization has a major flaw, i.e., it is barely comprehensible or entirely inappropriate. 4pts	Entirely incorrect/not attempted. 0pts
Discussion of results	Discussion of results is clear and correct, and it has some depth without begin excessively long. 10pts	Discussion of results is mostly clear and correct, but has minor inaccuracies or lacks some depth. 8pts	Discussion has one substantial flaw but is otherwise acceptable. 6pts	Discussion has multiple flaws in logic. 4pts	Entirely incorrect/not attempted. 0pts
Reproducibility	All required files are provided. Quarto file renders without issues and reproduces pdf. 10pts	All required files except pdf are provided. Quarto file renders without issues and produces a pdf. 8pts	Quarto file requires minor modification to render. 6pts	Quarto file requires major modification to render, or is not provided, or key data file is missing. 4pts	Not attempted. 0pts
Presentation	Entire document is well structured and easy to follow. No extraneous materials. 10pts	Document is mostly well structured, but some aspects are confusing or difficult to follow. 8pts	Document has several deficiencies, such as excessive extraneous materials, misplaced figures, code, or text, or is otherwise confusing. 6pts	Document is near impossible to comprehend. 4pts	Incomprehensible/not attempted. 0pts
Points total:	100	80	60	40	0