Project 3 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
Component scores. (Both Part 1 and Part 2 will each be scored by these criteria. Point values apply per part.)					
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. **4.5pts**	Introduction has one major flaw, such as not describing the relevant variables in the dataset. **4pts**	Introduction has multiple major flaws. **3pts**	Entirely incorrect/not attempted. **0pts**
Question	Question is interesting, appropriate for the dataset, and conceptual. **5pts**	Question is conceptual and appropriate for the dataset but lacks depth or insight. **4pts**	Question is either overly technical or vague, or prompts one particular analysis. **3pts**	Question is not a question or does not relate to the given dataset. **2pts**	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**
Code	Code is correct, easy to read, properly formatted, and properly documented. **5pts**	Code is correct but has minor problems with formatting or documentation. **4pts**	Code has minor flaws, or is difficult to follow, or includes extraneous parts. **3pts**	Code has major flaws. **2pts**	Entirely incorrect/not attempted. **0pts**

Visualization	The visualizations are appropriate, easy to read, and properly labeled. **10pts**	The visualizations have minor flaws, such as minor flaws with legibility or labeling, or the chosen geom is suboptimal. **8pts**	At least one visualization has substantial flaws with legibility or labeling, or is confusing. **6pts**	At least one visualization has major flaws, 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**

Document-wide scores. (These criteria will be applied once to the entire document.)					
Reproducibility	All required files are provided. Rmd file knits without issues and reproduces pdf. **10pts**	All required files except pdf are provided. Rmd file knits without issues and produces a pdf. **9pts**	Rmd requires minor modification to knit without issues (e.g. missing library call or broken file paths), or key datafile is missing. **8pts**	Rmd requires major modification to knit without issues. **6pts**	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	82	64	44	0

(Points total counts all component scores twice, once for each part.)