

DATA11800 Spring 2024 Midterm Rubric

	50 points	30 points	20 points	0 points
A. Analysis of Dataset	Data was thoroughly analyzed. Necessary and proper cleaning, subsetting, processing, etc. was performed in order to conduct an enlightening analysis of the data. New and informative data was created based on data within the dataset.	Data was thoroughly analyzed. Necessary and proper cleaning, subsetting, processing, etc. was performed in order to conduct an enlightening analysis of the data. New and informative data was not created based on data within the dataset.	Data was analyzed with some care. Cleaning, subsetting, and other processing was not done thoroughly. New and informative data was created based on data within the dataset.	Cursory data analysis was performed. Cleaning, subsetting, and other processing was not done thoroughly. New and informative data was not created based on data within the dataset.
B. Visualizations: Graphs/Plots	Three different kinds of graphs/plots are displayed. At least one graph depicts multiple variables. All graphs are properly annotated and constructed. Appropriate visualization techniques were used for the analyzed data.	Three different kinds of graphs/plots are displayed. At least one graph depicts multiple variables. All graphs are properly annotated and constructed. Some visualization techniques utilized may not be appropriate for the data.	Less than three different kinds of graphs/plots are displayed and/or there is no graph depicting multiple variables. Some graphs are properly annotated and constructed. Appropriate visualization techniques were used for the analyzed data.	Less than three different kinds of graphs/plots and/or there is no graph depicting multiple variables. Few or no graphs are properly annotated and constructed. The visualization techniques utilized were not appropriate for the data.
C. Visualizations: Tables	Two tables are displayed that provide summative information and analysis of the data that is insightful. Data is able to be displayed in 20 rows or less.	One table is displayed that provides summative information and analysis of the data that is insightful. Data is able to be displayed in 20 rows or less.	Two or less tables are displayed provide information and analysis of the data that is not insightful. Data is able to be displayed in 20 rows or less.	Two or less tables are displayed that provide information and analysis of the data that is not insightful. Data is not displayed in 20 rows or less.
D. Description and Interpretation of Visualizations	Statements made about graphs/tables are well supported by what the visualizations show. A thorough description of the analysis process is documented in a markdown cell immediately following the graph/table.	Statements made about graphs/tables are somewhat supported by what the visualizations show. A thorough description of the analysis process is documented in a markdown cell immediately following the graph/table.	Statements made about graphs/tables are somewhat supported by what the visualizations show. Description of the analysis process lacks necessary detail.	Statements made about graphs/tables are not supported by what the visualizations show. Description of the analysis process lacks necessary detail.

The above rubric will be utilized as an assessment tool when grading the midterm report. Grading is to the discretion of the instructor and points may be awarded in part that are between the outlined values. Students are expected to submit work that is of a quality and standard suitable for a collegiate setting (e.g., proper grammar and syntax, no spelling errors, code is appropriately efficient based on techniques discussed in class, etc.); these aspects also contribute to your grade.

DO ask the instructor questions regarding understanding and/or clarification of the aforementioned rubric.

DON'T ask the instructor specifics about whether components of your report are what they are “looking for.” Consult with TAs and lecture content to understand how visualizations should be presented and/or analyzed.