

Explore and Summarize Data

Meets Specifications

[Code Review](#) [Project Feedback](#)

Code Functionality

Meets Specifications

The project almost never uses repetitive code where a function would be more appropriate. The code references variables by name instead of using constants or column numbers.

Our Assessment

Awesome Job!

Full rubric ▼

Meets Specifications

All code is functional.

Our Assessment

Awesome Job!

Full rubric ▼

Project Readability

Meets Specifications

Markdown syntax is used in the code to improve readability of the knitted file.

Our Assessment

Awesome Job!

Full rubric ▼

Meets Specifications

All complex code is adequately explained with comments. It is always clear what the code is doing.

Our Assessment

Awesome Job!

Full rubric ▼

Exceeds Specifications

The code uses formatting techniques in a consistent and effective manner to improve code readability. All lines are shorter than 80 characters.

Our Assessment

Awesome Job!

Full rubric ▼

Quality of Analysis

Exceeds Specifications

Visualizations made in the project depict the data in a way that demonstrates a deep understanding of the data's structure.

Our Assessment

Awesome Job!

Full rubric ▼

Exceeds Specifications

The project contains a variety of visualizations that show multiple comparisons and trends. Relevant statistics are calculated throughout the analysis where they would benefit inferences and are included in visualizations.

Our Assessment

Awesome Job!

Full rubric ▼

Meets Specifications

Questions and findings are placed between blocks of R code regularly so it is clear what the student was thinking throughout the analysis.

Our Assessment

Awesome Job!

Full rubric ▼

Meets Specifications

Reasoning is provided for the plots made throughout the analysis. Plots made follow a logical flow. Comments following plots accurately reflect the plots' contents.

Our Assessment

Awesome Job!

Full rubric ▼

Exceeds Specifications

The project uses many plot types to explore expected and unexpected relationships in the data. A variety of leading questions, dead-ends, and alternate approaches are presented.

Our Assessment

Awesome Job!

Full rubric ▼

Final Plots and Summary

Meets Specifications

All plots are labeled appropriately and can be read and interpreted easily.

Our Assessment

Awesome Job!

Full rubric ▼

Exceeds Specifications

The reasoning and findings from each plot are explained concisely with appropriate variable transformations, other plot decisions, and/or statistics. The text about each figure is descriptive and adds information that the graphic itself would not easily explain.

Our Assessment

Awesome Job!

Full rubric ▼

Meets Specifications

All plots have appropriately selected variables and are plotted in a way that accurately conveys the data/information.

Our Assessment

Awesome Job!

Full rubric ▼

Meets Specifications

The project includes a Final Plots and Summary section containing three plots and commentary. Plots reflect what has been explored in the main body of the analysis.

Our Assessment

Awesome Job!

Full rubric ▼

Exceeds Specifications

Each plot reveals an important and different comparison or trend in the data. The plots incorporate many of the variables from the data set in a way that allows the plots to convey a lot of information while still being interpreted easily. The plots fulfill 4 or more of the criteria. Given criteria:

- Draw comparisons.
- Identify trends.
- Engage a wide audience.
- Explain a complicated finding.
- Clarify a gap between perception and reality.

- Enable the reader to digest large amounts of information.

Our Assessment

Awesome Job!

Full rubric ▼

Reflection

Meets Specifications

The section reflects on how the analysis was conducted and reports on the struggles and successes throughout the analysis. The section provides at least one idea or question for future work.

Our Assessment

Awesome Job!

Full rubric ▼

Meets Specifications

The project includes a Reflection section discussing the analysis performed.

Our Assessment

Awesome Job!

Full rubric ▼

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