U D A C I T Y

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Explore and Summarize Data

Student Notes   Code Review   **Project Review**   Project History

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↻ Does Not Meet Specifications

Code Functionality   ⌄

SPECIFICATION

All code is functional (e.g. No Error is produced and RMD document is not prevented from bring knit.)

✓ MEETS SPECIFICATION

Reviewer Comments

Great job!

SPECIFICATION

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.

☆ EXCEEDS SPECIFICATION

Reviewer Comments

Great job using custom functions to reduce repetitive codes!

Requirements to exceed the specification ›

Project Readability   ⌄

SPECIFICATION

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

✓ MEETS SPECIFICATION

Reviewer Comments

Great job!
To exceed specifications and for your future works, please comment codes wherever you can.
In general, try commenting when you modified the dataset, created custom functions, or used complex plot options.

Requirements to exceed the specification ❯

SPECIFICATION

The code uses formatting techniques to improve code readability. All lines are shorter than 80 characters.

☆ EXCEEDS SPECIFICATION

Reviewer Comments
Great job improving this section!
Your codes are lean and clean :)

Requirements to exceed the specification ❯

SPECIFICATION

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

There are no large sections of the knitted HTML file with bad readability.

☆ EXCEEDS SPECIFICATION

Reviewer Comments
Great job adding the global option in the beginning!

Requirements to exceed the specification ❯

Quality of Analysis ⌄

SPECIFICATION

The project appropriately uses univariate, bivariate, and multivariate plots to explore most of the expected relationships in the data set.

✓ MEETS SPECIFICATION

Reviewer Comments
Great job!
To exceed specifications, try to show questions and deadends that you encountered, and what alternate approaches you used to resolve the issues when exploring the data set.

Requirements to exceed the specification ❯

SPECIFICATION

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

✓ MEETS SPECIFICATION

Reviewer Comments

Great job!

SPECIFICATION

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

✓ MEETS SPECIFICATION

Reviewer Comments

Great job!

SPECIFICATION

The project contains at least 20 visualizations. The visualizations are varied and show multiple comparisons and trends. Relevant statistics such as means, medians, quartiles, or confidence intervals are computed throughout the analysis when an inference is made about the data.

☆ EXCEEDS SPECIFICATION

Reviewer Comments

Great job supporting the plots with relevant statistics!

Requirements to exceed the specification ❯

SPECIFICATION

Visualizations made in the project depict the data in an appropriate manner that allows plots to be readily interpreted. Choices of plot type and parameters aid interpretability.
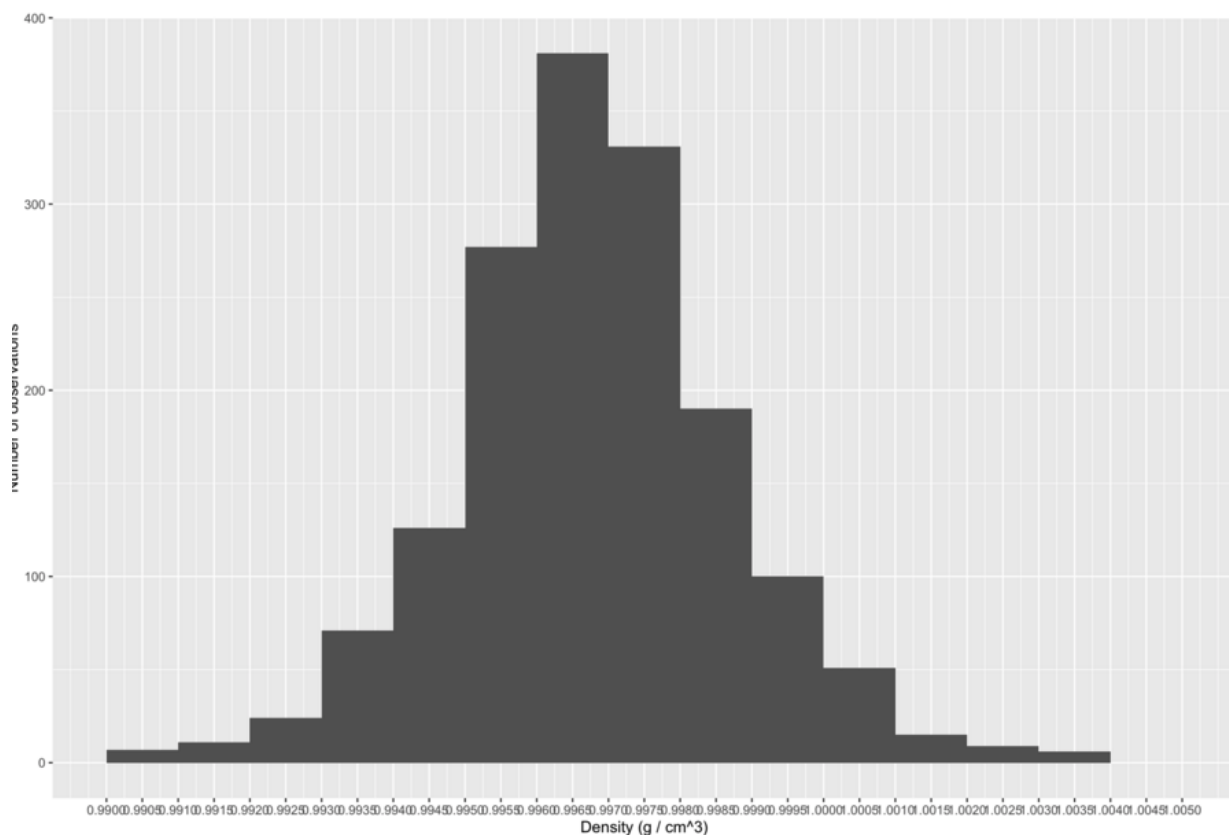
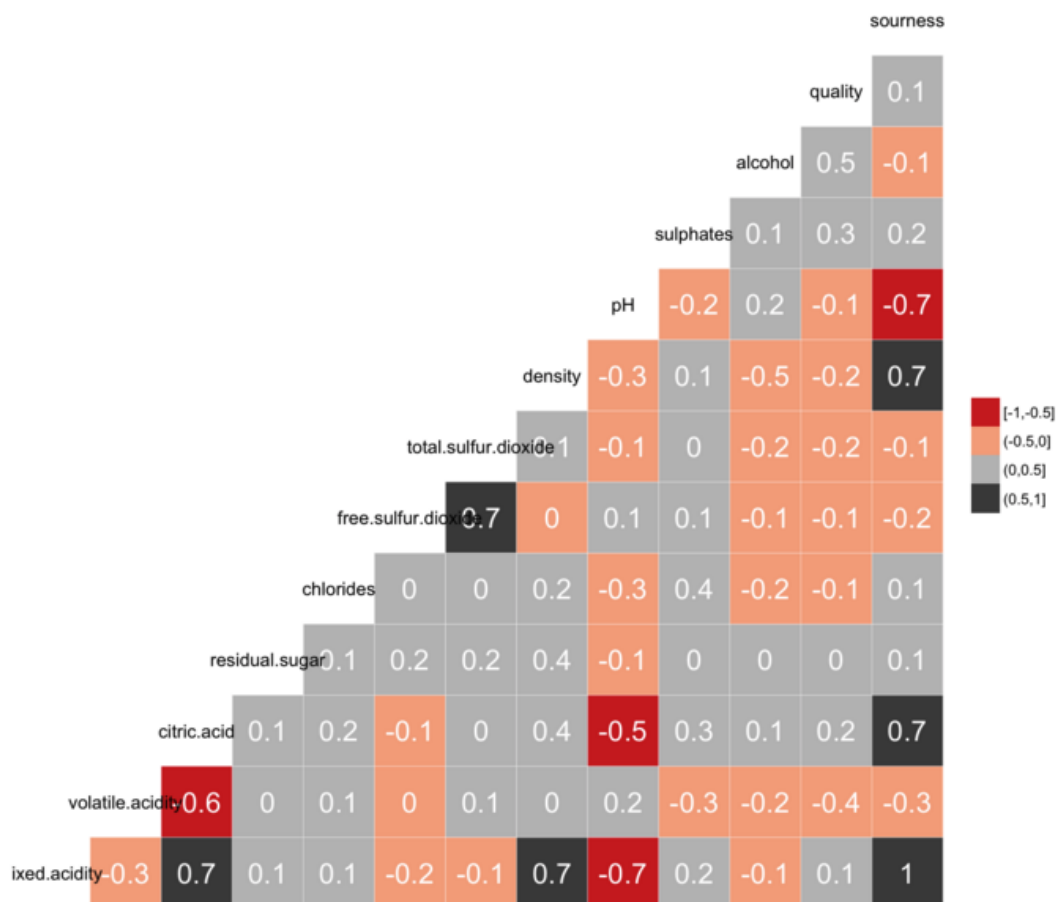↻ DOES NOT MEET SPECIFICATION

Reviewer Comments

Great job!
However, please adjust the axes tick marks so that they do not overlap each other.
One example with this issue is the following plot:

Also, please adjust the label for the corr plot so that it does not overlap:

Requirements to exceed the specification ⌄

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

Final Plots and Summary ⌄

SPECIFICATION

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

✓ MEETS SPECIFICATION

Reviewer Comments

There are too many plots in the final plots section.

Please select the three plots that can best represent the trend and conclusion you found with the dataset.

SPECIFICATION

The plots are well chosen and the plots fulfill at least 2 of the criteria. The plots are varied and reveal interesting trends and relationships.
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.

⟳ DOES NOT MEET SPECIFICATION

Reviewer Comments

Please see above :)

Requirements to exceed the specification ⌄

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.

SPECIFICATION

All plots have appropriately selected variables and are plotted in a way that accurately conveys the data/information (i.e findings in Final Plot 1 do not depend on the findings of Final Plot 2).

✓ MEETS SPECIFICATION

SPECIFICATION

All plots are labeled appropriately (axis labels, plot titles, axis units) and can be read and interpreted easily. Plots are scaled appropriately.

🔄 DOES NOT MEET SPECIFICATION

Reviewer Comments

Once again, please adjust the axes tick marks.

SPECIFICATION

The reasoning and findings from each plot are explained and the text about each plot is descriptive enough to stand alone. Comments reflect the contents of the plots that they are associated with.

✓ MEETS SPECIFICATION

Reviewer Comments

Great job!
To exceed specifications, try to add more relevant statistics to support your findings.

Requirements to exceed the specification ❯

Reflection   ⌄

SPECIFICATION

The project includes a Reflection section discussing the analysis performed.

✓ MEETS SPECIFICATION

Reviewer Comments

Great job!

SPECIFICATION

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.

🔄 DOES NOT MEET SPECIFICATION

Reviewer Comments

Great job with the detailed reflection.
However, please remember to suggest at least one solid question or idea for future work.
Also, please go over your project from start to end and look for typos. :)

Requirements to exceed the specification ❯

Additional Reviewer Comments

How satisfied are you with this feedback? ☆ ☆ ☆ ☆ ☆   ☑ RESUBMIT PROJECT

The issues mentioned above are mostly minor ones that can be fixed easily :)

⬇ Download project

Learn the best practices for revising and resubmitting your project.

Have a question about your review? Email us at review-support@udacity.com and include the link to this review.

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