



PROJECT

Explore and Summarize Data

A part of the Data Analyst Nanodegree Program

PROJECT REVIEW

CODE REVIEW

NOTES

SHARE YOUR ACCOMPLISHMENT!  

Meets Specifications

Congratulations on your hard work!

It was a pleasure reviewing this amazing project ;)

Code Functionality

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

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.

Great job showing the use of custom functions :)

Project Readability

All complex code is adequately explained with comments. It is always clear what the code is doing and how and why any unusual coding decisions were made.

Well done documenting your codes with detailed comments :)

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

Great job keeping your codes clean and lean :)

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

Great job with the format of the project :)

As for the warnings, I recommend adding a global option chunk in the beginning of your rmd file as follows to avoid the hassle of adding the parameters for each code chunk:

```
```{r global_options, include=FALSE}
knitr::opts_chunk$set(fig.width=12, fig.height=8, fig.path='Figs/',
 echo=FALSE, warning=FALSE, message=FALSE)
```
```

the fig.width and fig.height option will also help as the plots will have consistent sizes throughout.

Quality of Analysis

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

Great job exploring the univariate distributions in depth before moving onto more complex relationships :)

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

Findings and explanations are present consistently :)

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

The project is easy to follow :)

Optionally, I recommend starting out the project with a brief intro about the dataset and how you will approach it.

This will not only help the readers but also yourself by giving you the right direction for your project :)

The project contains at least 20 visualizations. The visualizations are varied and show multiple comparisons and trends. Relevant statistics (e.g. mean, median, confidence intervals, correlations) are computed throughout the analysis when an inference is made about the data.

Great job supporting the plots with relevant stats :)

Visualizations made in the project depict the data in an appropriate manner that allows plots to be readily interpreted. Choice of plot type, variables, and aesthetic parameters (e.g. bin width, color, axis breaks) is appropriate.

Well done making the changes!

The visualizations are both interesting and effective :)

Final Plots and Summary

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.

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.

Great choice of plots!

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).

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

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.

The descriptions are detailed yet easy to understand :)

Reflection

The project includes a Reflection section discussing the analysis performed.

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. The section explains any important decisions in the analysis and how those decisions affected the analysis.

Great job!

The reflection section shows your deep understanding of the dataset and the careful analysis performed.

 [DOWNLOAD PROJECT](#)

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

[RETURN TO PATH](#)

Rate this review

[Student FAQ](#)