UDACITY

PROJECT

Make Effective Data Visualization

A part of the Data Analyst Nanodegree Program

PROJECT REVIEW

CODE REVIEW 2

NOTES

SHARE YOUR ACCOMPLISHMENT!

Meets Specifications

Congratulations - you've passed!

What a fabulous submission. You definitely merit nomination for excellence. Why? You've found a clear and interesting finding and translated that (thanks to solid design choices) into a really accessible D3.js storyboard format which clearly fosters reader/graphic communication. Brilliant.

Best of luck with the rest of the course.

Code Structure and Functionality

The visualization renders and any interactions or animations work as the reader interacts with the visualization.
Yes, your visualisation renders perfectly.

Large code chunks are commented and all complex code is adequately explained with comments. Comments are not overused to explain obvious code.

Commenting is both well placed and informative.

The code uses formatting techniques in a consistent and effective manner to improve code readability.

Formatting is both consistent and effective AND you've put your Javascript and CSS in separate files.

Visualization is Explanatory

The visualization centers on a specific, clear finding in the data.

As noted previously, you've got a clear data finding:

> This analysis will show that US National Airspace System related delays tends to decrease other the time. Nevertheless, the impact of the National Airspace System delay for the passenger remains the same over the years.

which is shown in a really professional story format. Now you've added your analysis to the final page:

> Even if the National Airspace System made efforts to reduce the number of delays, and because the NAS delay average delay duration remain stable, passengers victims of NAS related delays won't notice any change nor improvement.

It is confirmed as a great example of an **explanatory** database. Brilliant.

The selected finding is clearly communicated. Design choices foster communication between the reader and the visualization.

You're design choices are very good. There are many things I like:

- story format
- chart choice
- colour coding
- well worded labels and buttons
- interactive Y-axis
- your new accessible tooltips
- the overall impact of the graphic

Excellent.

Design

A reader's summary of the graphic would closely match the written summary in the README.md file, or a reader would identify at least 1 main point or relationship that the graphic attempts to convey.

The message in both is consistent.

The visualization includes interaction or animation. The interaction or animation may be simple, such as a hover, tooltip, or transition. Interaction or animation enhances understanding of the data.

Great interaction using buttons and tooltips.

Initial design decisions such as chart type, visual encodings, layout, legends, or hierarchy are included at the beginning of the Design section in the README.md file.

You've done well documenting your design choices.

Feedback and Iteration

Feedback has been collected from at least three people throughout the process of creating the data visualization. The feedback is documented in the Feedback section of the README.md file.

Great documentation and response to feedback.

The project includes evidence that the visualization has been improved since the first sketch or the first coded version of the visualization. All of the feedback is listed in the Feedback section of the README.md file. Most design choices and changes are accounted for in the Design section of the README.md file. If no changes were made to the visualization after gathering feedback, this decision is explained.

Nice to see so many versions of the project and track how it's evolved.

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