

PROJECT

Wrangle OpenStreetMap Data

A part of the [Data Analyst Nanodegree Program](#)

PROJECT REVIEW

CODE REVIEW

NOTES

Meets Specifications

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Next, Using Data Visualization for Analytics

Congratulations on completing the course. Next we will be going into the world of R Statistical Language - a very powerful deep analytical and visualization tool that is gaining popularity in the Data Science Field in an exponential rate. It is one of my favorite languages and I hope you enjoy it as well. Good luck!

Code Functionality

✓ Final project code functionality reflects the description in the project document.

Code submitted reflects work done in the submitted document.

Code Readability

✓ Final project code follows an intuitive, easy-to-follow logical structure.

✓ Final project code that is not intuitively readable is well-documented with comments.

Problems encountered in your map

✓ Student response shows understanding of the process of auditing, and ways to correct or standardize the data, including dealing with problems specific to the location, e.g. related to language or traditional ways of formatting.

An outstanding work demonstrating a variety of auditing and cleaning procedures. I'm glad you went beyond the demonstrations of Lesson 6 and found additional cleaning issues other than street related issues. I especially appreciate the level of thoroughness in documenting the methods.

✓ Some of the problems encountered during data audit are cleaned programmatically.

Overview of the data

✓ The dataset is at least 50 MB.

✓ Student response provides a statistical overview of a dataset, like:

- size of the file
- number of unique users
- number of nodes and ways
- number of chosen type of nodes, like cafes, shops etc

✓ Student response also includes the MongoDB queries used to obtain the statistics.

Other ideas about the datasets

✓ Student proposes one or more additional ways of improving and analyzing the data.

✓ Student gives thoughtful discussion about the benefits as well as some anticipated problems in implementing the improvement.

Great work on discussing the benefits and the potential issues. It is a necessary trait to be able to weigh the cost/benefit ratio of any decision.

Thoroughness and Succinctness of Submission

✓ The submission is long enough to thoroughly answer the questions asked without giving unnecessary detail. A good general guideline is that the question responses should take about 3-6 pages.

I must say, terrific work on the formatting and presentation of this project. The information is concisely provided and presented in an aesthetically pleasing manner without overwhelming the reader with large blocks of code and unnecessary detail. This is a very important step in creating a great Job-Ready portfolio. Well done.

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