UDACITY

Logo

Back to Data Analyst Nanodegree

Wrangle OpenStreetMap Data

REVIEW | CODE REVIEW | HISTORY

Requires Changes

2 SPECIFICATIONS REQUIRE CHANGES

Code Functionality

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

The code reflects the description in the report 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.

The code is well formatted and appropriately commented. That makes it easy to follow the analysis steps and identify a specific functional operation.

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.

You did a good job standardized street type and school types. It seems that you understand the process of auditing, and know ways to correct or standardize the data. Please consider expanding the "Problems encountered in your Map" further. You might want to include examples of other elements (postal codes, Email, phone numbers, URL, etc) that were not properly shaped or formatted and discuss ways in which they can be fixed programmatically. Were you able to find elements that are specific to your chosen area? Different language?

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

The problems that found in the dataset are corrected or cleaned programmatically.

Overview of the data

The OSM XML file is at least 50 MB uncompressed.

Database queries are used to provide a statistical overview of the 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.**

Additional statistics not in the list above are computed. For SQL submissions some queries make use of more than one table.

The report demonstrates the use of different queries and provides a meaningful overview about the dataset and some important statistics.

The submission document includes the database queries and statistics from above.

Other ideas about the dataset

Submission document includes one or more additional suggestions for improving the data or its analysis. The suggestions are backed up by at least one investigative query.

Although you provide a lot of meaningful statistics and analysis to the data, there is limited discussion of how the analysis can be further improved. Consider ideas for the data collection process from OpenStreetMaps and other analogs that could benefit data wrangling or problem solving. Broadly discuss how the idea could be implemented and what the potential challenges might be. For instance, is there an implementation that could be made to OpenStreetMaps or your data analysis process that could improve the data? It is OK if your idea is beyond the level of the course, and you are not sure how to implement it entirely, as long as you can discuss what are potential challenges of implementing the idea.

Submission document includes thoughtful discussion about the benefits as well as some anticipated problems in implementing the improvement.

Please discuss also the benefits as well as some anticipated problems in implementing the improvement.

Thoroughness and Succinctness of Submission

Submission document 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.

RESUBMIT PROJECT

DOWNLOAD PROJECT

Learn the best practices for revising and resubmitting your project.

RETURN TO PATH