



PROJECT

Wrangle OpenStreetMap Data

A part of the Data Analyst Nanodegree Program

PROJECT REVIEW

CODE REVIEW 4

NOTES

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Meets Specifications

Congratulations on passing this project 🎉. I can see that you have worked really hard and put a lot of effort into this project.

Keep it up! I wish you all the best in your Nanodegree.

Code Functionality

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

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Code Readability

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

Your code looks good! I just have few suggestions for you at the Code Review section.

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.

Good work! You show solid understanding of the auditing process and ways to correct the data. Inconsistent/incorrect street names and postal codes are addressed.

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

Well done calling all the cleaning functions within the `shape_element` function to clean the data 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.

Good work providing the database queries and a very interesting statistical overview of the dataset.

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.

Nice job including additional suggestions for improving the data. Having input standardization, leveraging timestamps and using third party data like Google Maps API are all good ideas to improve the OSM data.

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

Well done including thoughtful discussion about the benefits as well as some anticipated problems in implementing the suggestions!

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.

Overall looks good!

Suggestion:

General guideline of the report is 3-6 pages (few pages over is fine). Please consider to make the report more concise by printing out only few examples (5-10) to show the results of auditing and cleaning.

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