

## PROJECT

## Wrangle OpenStreetMap Data

A part of the Data Analyst Nanodegree Program

## PROJECT REVIEW

## CODE REVIEW

## NOTES

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## Meets Specifications

## Code Functionality

Final project code functionality reflects the description in the project 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.

Examples added, and postcodes audited. Excellent work on also auditing and correcting phone numbers as previously suggested.

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

FIXME nodes are included as part of additional suggestions. Interesting, and good work here.

## 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 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 and analyzing the data. The suggestions are backed up by at least one investigative query.

The idea to correct FIXME nodes is really practical.

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

Suggested improvements, including the correction of FIXME nodes, have been thoroughly discussed. Good work here.

### 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.

The write-up seems a bit long, but still acceptable. We can remove some function references like `encodejson` to make it shorter and more readable.

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