

[← Back to Data Analyst Nanodegree](#)

# Wrangle OpenStreetMap Data

## REVIEW

### CODE REVIEW 4

### HISTORY

## 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. Well done!

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.**

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

### Code Readability



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

Code is logical and easy to follow. Please see more comments at Code Review Tab.



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. A variety of issues 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 suggestion for improving the data. Putting more information into the various OSM wiki pages is a good idea to improve the data and its analysis.



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

Good work including discussion about the benefits as well as some anticipated problems in implementing the suggestion.

## 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.

 [DOWNLOAD PROJECT](#)

4

[CODE REVIEW COMMENTS](#)



[RETURN TO PATH](#)

[Student FAQ](#)