# U D A C I T Y

PROJECT

## Wrangle OpenStreetMap Data

A part of the Data Analyst Nanodegree Program

| PROJECT REVIEW |
| --- |
| CODE REVIEW |
| NOTES |

**SHARE YOUR ACCOMPLISHMENT!**

## Meets Specifications

Congratulations! Your final report is outstanding, thanks for incorporating our comments. Now it is time to share your work. Include it in your portfolio, post it in your blog and share with friends and family. You are on the right track to be a superb data analyst!

### 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.**
>
> Great job adding docstrings!

### 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.**

> **Some of the problems encountered during data audit are cleaned programmatically.**
>
> Well done applying the update postal code function during preprocessing.

### 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.

Thanks for adding your suggestions on how to improve OSM! If you want to take your ideas further, check out OSM trac, where all open tickets are maintained. You can look for similar suggestions, and if you find none, open your own ticket with your suggestion. OSM is a vibrant open source community that is welcoming to new ideas and contributors! Here is the link for it: https://trac.openstreetmap.org/

Submission document includes thoughtful discussion about 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.

Great job! Your report is well written, in a straightforward language, succinct and beautifully formatted.

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Student FAQ