U D A C I T Y

Logc

# Wrangle OpenStreetMap Data

| REVIEW | HISTORY |
|---|---|

## Meets Specifications

Excellent submission!
Congratulations on passing the project!!
Your work complies/exceeds the requirements of the project.
Your hard work is paid off!
Your plots and table give a meaningful and eye-catching look to your report.

## Code Functionality

| **Final project code functionality reflects the description in the project document.** |
|---|
| Great job! Your hard work reflects here in your coding!! |

## Code Readability

| **Final project code follows an intuitive, easy-to-follow logical structure.** |
|---|
| Great work! Well structured! Your work is easy to follow! |

| **Final project code that is not intuitively readable is well-documented with comments.** |
|---|
| Great! You have provided a sufficient number of comments. That made understanding the codes easy. |

## 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.** |
|---|
| Great! You have clearly demonstrated your ability to understand, audit and clean data effectively.<br>I like the way of handling the issues separately. |

| **Some of the problems encountered during data audit are cleaned programmatically.** |
|---|
| Great job of using programmatic techniques such as functions, lists, regex, and dictionaries to clean the data! |

## 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.

Great work. You have provided a sufficient amount of statistics.

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

Excellent! You have included several database queries that extract valuable information from the dataset.

## 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.

Great!
You have given a thoughtful discussion about the additional suggestions for improving the data.
Thank you for considering the previous reviewer's suggestions.

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

You have done impressive work!
You need to provide more explanation about the anticipated problem when you implement your suggestions to improve along with an investigative query.
However, based on the amount of work you have done so far, I understand that you are way more capable of doing tasks like this easily. Therefore, I do not hesitate to pass this section.

FYI:
What are anticipated problems that may happen in implementing of the above suggestion?
It is OK if your idea is beyond the level of this course and you are not sure how to implement it completely, as long as you can discuss the potential challenges.
As data scientists, we need to show the world (or your potential employer) that we think of something analytically beyond their scope.
This exercise is a good opportunity to practice that.

## 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!
This is a well-written report. You have included a sufficient amount of details, programming examples, problem identification and solution in this report while it is concise.
The plots and the data tables make your data more meaningful and give an eye-catching view.
Please combine your main report with the amendment with this submission to make you report comprehensive.

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