Data Wrangling Final Project Rubric

Overview

This rubric is here to help you understand the specifications for the project that you create. It is the same rubric that the person evaluating your project will use. We will refer to this person as the “project evaluator” in this document. We recommend you look at the rubric **before you begin working** on your project **and again before you decide to submit it**.

How to Use: before you begin

1. Look at the bold headings under the criteria column to understand what the project evaluator will be looking for.
2. Go through each criteria item in more detail.
3. Familiarize yourself with what is required for your project to “meet specifications”. In order to gain a certificate, you need to "meet specifications", however, to gain most benefit/learn most from the experience, we encourage you to continue working on the project and posting your results/code on GitHub, personal website, OpenStreetMap.org etc.

How to Use: before you submit

1. Once your project is built, go through each criteria item and do your best to honestly evaluate where you think your project falls.
2. If you think your project does not meet specifications for **any** criteria item, then you should make some changes to your project.
3. Once you’re confident that your project “meets specifications” go ahead and submit!

How Grading Works

1. Your project evaluator will use this rubric to evaluate your project.
2. Your grade will simply be “pass” or “doesn’t pass.”
    a. You earn a “pass” by having **all** criteria items in the “meets specifications” column.
    b. If any criteria item does not meet specifications, you will not pass. You will be able to make changes and re-submit.

Criteria	Meets Specifications

Code Functionality All Lesson 6 problems are solved correctly. Final project code functionality reflects the description in the project document.	All required Lesson 6 questions are correctly solved with the submitted code. Final project code functionality reflects the description in the project document.
Code Readability Final project code is well structured. Final project code is commented as necessary.	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 describes the challenges encountered while auditing, fixing and processing the dataset for the area of their choice. Some of the problems encountered during data audit are cleaned programmatically.	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.
Overview of the data Student provides a statistical overview about their chosen 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	Student response provides the statistics about their chosen map area. Dataset is at least 50MB. Student response also includes the MongoDB queries used to obtain the statistics.
Other ideas about the datasets Student is able to analyze the dataset and recognize opportunities for using it in other projects	Student proposes one or more additional ways of improving and analyzing the data and gives thoughtful discussion about the benefits and anticipated problems in implementing the improvement.
Thoroughness and Succinctness of Submission Student submission is long enough to thoroughly answer the questions asked without giving unnecessary detail.	*A good general guideline is that your question responses should take about 3-6 pages.*