

Sample SQL Report

https://gist.github.com/carlward/54ec1c91b62a5f911c42#file-sample_project-md

Blueprint for auditing

<https://classroom.udacity.com/nanodegrees/nd002/parts/0021345404/modules/316820862075460/lessons/699689362/concepts/7796785460923>

Clarification on the .osm.bz2 file versus the regular .osm file (post 7/10 by Myles Callan)

<https://discussions.udacity.com/t/i-am-clueless-how-to-start-openstreetmaps-project/1966477>

Parsing

https://www.w3schools.com/xml/xpath_syntax.asp

Element Tree

<https://docs.python.org/2/library/xml.etree.elementtree.html#module-xml.etree.ElementTree>

Using CSV Module

<https://docs.python.org/2/library/csv.html#csv.reader>

Using the functions **audit.py** and **data.py** for better auditing, cleaning, and CSV creation <https://discussions.udacity.com/t/p3-project-combining-auditing-cleaning-and-csv-creation/231037>

<https://classroom.udacity.com/nanodegrees/nd002/parts/0021345404/modules/316820862075461/lessons/5436095827/concepts/54908788190923#>

Using the function **mapparser.py** to get the tags

<https://discussions.udacity.com/t/understanding-counter/286168/43>

Using **schema.py** function for the last part of the project

<https://discussions.udacity.com/t/osm-data-project-getting-started-running-locally/232476/2>

Using tags.py to create expressions that scan for patterns in tags

<https://discussions.udacity.com/t/cant-proceed-with-project-on-openstreet-data-wrangling-any-help/201104/53>

Creating a CSV file to import to SQLite

<https://discussions.udacity.com/t/final-project-importing-cerberus-and-schema/177231/10>

<https://gist.github.com/swwelch/f1144229848b407e0a5d13fcb7fbbd6f>

To add what is expected in the dictionary of Street types (post 10/30 by Bhavya Ptn90)

<https://discussions.udacity.com/t/final-project-openstreet-map/182754/10>

Fixing the abbreviations of the street names

https://discussions.udacity.com/t/update-street-name/258913/2?u=awad_330179501771723

<https://discussions.udacity.com/t/update-street-name/258913/2>

Cleaning the data (pprint)

<https://discussions.udacity.com/t/help-cleaning-data/169833>

Using get_element()

<https://discussions.udacity.com/t/p3-openstreetmap-overview/172045/2>

<https://discussions.udacity.com/t/using-get-element/198489>

<https://stackoverflow.com/questions/3095434/inserting-newlines-in-xml-file-generated-via-xml-etree-elementtree-in-python>

Installing Python Version 2.7

<https://stackoverflow.com/questions/44348022/how-to-use-python-2-7-packages-in-anaconda-python-2-7-environment>

Using data.py and schema.py codes

<https://classroom.udacity.com/nanodegrees/nd002/parts/0021345404/modules/316820862075461/lessons/5436095827/concepts/54908788190923>

Creating and Querying a Database with tables

<https://discussions.udacity.com/t/creating-sql-database/316237>

<https://discussions.udacity.com/t/cant-proceed-with-project-on-openstreet-data-wrangling-any-help/201104/74>

Grouping node key tags into categories

<https://discussions.udacity.com/t/add-cleaning-functions-to-shape-element/348188/15>

Uploading csv and creating .db file

<https://discussions.udacity.com/t/creating-db-file-from-csv-files-with-non-ascii-unicode-characters/174958/7>

Osmium

<http://oslandia.com/en/2017/07/03/openstreetmap-data-analysis-how-to-parse-the-data-with-python/>

<https://stackoverflow.com/questions/45771809/how-to-extract-and-visualize-data-from-osm-file-in-python>

<http://osmcode.org/libosmium/>

<https://pypi.python.org/pypi/osmium>

Utilizing Python with Google Maps for CSV files

<https://github.com/thearn/pygmaps-extended>

<https://www.youtube.com/watch?v=sl8py6soTWs>

<https://www.youtube.com/watch?v=0ljdfgmWzMk>

Crime and Marijuana CSV

<http://data.opencolorado.org/dataset/city-and-county-of-denver-marijuana-active-business-licenses>

<https://www.denvergov.org/opendata/dataset/city-and-county-of-denver-crime>

Colorado Legislation on Marijuana

<http://www.sos.state.co.us/pubs/elections/Initiatives/ballot/Statements/2012/SufficiencyProp30.pdf>

Prohibition of Cannabis in 1917

<http://www.westword.com/news/marijuana-criminalized-in-colorado-95-years-ago-today-unhappy-anniversary-5845807>