Lab 3: Exploring Airbnb Data

Deadline: Friday, Feb. 9th at 11:59pm.

Goal:

Explore the Airbnb data through SQL.

Input:

-A Postgres database populated with the Airbnb staging tables from Lab 2.

Desired Outputs:

-12 SQL queries that include inner and outer joins, where, order by, and limit

-A short description of what each query does in plain English

-Each staging table must be queried at least once

-At least 8 queries must contain a join

-At least 2 queries must contain an outer join

Tools You Need:

-GitHub

-Postgres Cloud SQL instance

-Postgres psql client

Programming Style:

-Place all SQL queries in a file named simple_queries.sql

-Add the short descriptions to the same file in the form of comments

Implementation Hints:

-Run and test each query on your Airbnb database

-Ensure that each query returns a non-empty result set

-Ensure that each query is not trivial

-Use the command **\i <full_path/filename>** in psql to run a SQL script. For example, **\i C:/cs327e/simple_queries.sql**

Reference Documentation:

-Select statement:
https://www.postgresql.org/docs/9.6/static/sql-select.html

Snippets:

Query examples: https://github.com/cs327e-spring2018/snippets/blob/master/simple_queries.sql

Additional Notes:

-Create a lab3 folder in your git repo and place your work in this folder.

-Submission is done through Canvas with a submission.json file.

-The submission.json file should be in this format:

{

    "commit_id": "[commit id]"

}

-There should be one submission only per team.

-Lateness penalty is %10 reduction per late day.