Team –

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Airbnb database

Scope

We want to create a database using pgAdmin/SQL that can be used to analyze trends and data about Airbnb listings across the world. This should include tables for cities, countries, Airbnb listings, and Airbnb reviews.

Data Cleanup & Analysis

For the datasets listed below, we want to create tables containing country data, city data, Airbnb listing data, reviews data. Only data from the 100 largest population cities will be used, all other data will be filtered out. Some of the data tables will be separated out into listing, city and country data and then joined with relevant information like population, income etc. This should help readability and cut down on listing repeats to create a clean relational database. Some of the data below is already aggregated and some requires joining csv files before loading into the database.

Top 100 cities by

<http://insideairbnb.com/get-the-data.html>

<https://worldpopulationreview.com/world-cities>

<https://public.opendatasoft.com/explore/dataset/airbnb-listings/table/?disjunctive.host_verifications&disjunctive.amenities&disjunctive.features>

<https://public.opendatasoft.com/explore/dataset/airbnb-reviews/api/>

https://www.kaggle.com/kritikseth/us-airbnb-open-data

REVIEWS – fields

&fields=listing\_id,id,date,comments

LISTING -fields

&fields=country,city,name,host\_name,street,property\_type,accommodates,bedrooms,bathrooms,beds,price,weekly\_price,monthly\_price,security\_deposit,cleaning\_fee,minimum\_nights,maximum\_nights,number\_of\_reviews,review\_scores\_rating,listing\_url