Jeneen Gnilka, Tim Mandel, Austin Vasquez

Project 1: Airbnb Analysis

University of Richmond Data Bootcamp

Description:

In this project we will analyze domestic Airbnb data. We will be compiling the room types, prices and reviews of all the Airbnbs in three different areas: Asheville, NC, Columbus, OH, and Rhode Island. Collecting, cleaning, organizing, and sorting such data to allow a clear picture of data.

Outline:

1. Importing/cleaning data
   1. Gathering data from resources
   2. Cleaning/grouping data. Remove any excess data
2. Analyze
   1. Room Types
   2. Room Prices
   3. Room Reviews
3. Comparing Data
   1. Comparing data with the three factors listed above
4. Visualization
   1. Creating visualizations to represent data to help answer desired questions.

Questions to Answer:

Is there a correlation between room types/prices and reviews?

Which of the three areas has the best market for Airbnbs (Amount of Airbnbs available, average price, average review)?

Datasets Used:

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

CSV files included in each region:

* Detailed Listings Data
* Detailed Calendar Data
* Detailed Review Data
* Summary information and metrics for listings
* Summary review data and listing ID
* Neighborhood list for geofilter
* GeoJSON file of neighborhoods

Breakdown of Tasks:

1. Analyze
   1. Asheville, NC – Austin
   2. Columbus, OH – Jeneen
   3. Rhode Island – Tim