

A REPORT

ON

**Airbnb Host Listings of New York: Analysis and
Recommendations**

BY

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Prepared in partial fulfillment of

Capstone Project

APPLIED DATA SCIENCE CAPSTONE

COURSERA

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Data

Following sources of data were used while working on this Capstone Project:

1. Airbnb Host Listings Dataset

Name of the file: listings

Type of the file: CSV

Date Compiled: 8 April 2020

Description: The dataset contains summary information and metrics for listings in New York City.

The headers of the file are as follows:

id:	ID of the listing
name:	Name of the listing
host_id:	ID of the host
host_name:	Name of the host
neighborhood_group:	Borough of New York City
neighborhood:	Neighborhood in the Borough
latitude:	Latitude coordinate of the listing
longitude:	Longitude coordinate of the listing
room_type:	Type of room that is available for a particular listing
price:	Price of the listing
minimum_nights:	Minimum nights that listing has to be booked for
number_of_reviews:	Number of reviews the listing has
last_review:	Date it was last reviewed on
reviews_per_month:	Reviews that were given per month for a particular listing
calculated_host_listings_count:	Number of listings a particular host has
availability_365:	Number of days in a year the listing is available for Airbnb to host a customer

Source: Open data available on 'Inside Airbnb: Adding data to the debate'

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

2. Foursquare API

Type: JSON

Date Retrieved: 3 April 2020 (In the last run of the code)

Description: The data was extracted through API calls using a separate Python code. The proximities of various amenities were determined on the basis of the client's requirements. Data that was especially taken out of the JSON file is as follows:

Venue:	The name of the facility in the area around the listing
Venue Latitude:	Latitude coordinate of the facility
Venue Longitude:	Longitude coordinate of the facility
Venue Category:	Category of venues in which the facility lies

Source: Account on FourSquare has already been made before and the username and password were used for requesting API calls.

URL: <https://foursquare.com/>