

Data Wrangling

With Python

The requirements are listed below:

Part A

1. Select a city that has airbnb data available and download it, use the below link:
<http://insideairbnb.com/get-the-data.html>
2. Import the listings.csv data into a Jupyter notebook.
3. Count the number of listings the selected city?
4. What is the minimum and maximum price?
5. Which listing has the maximum number of minimum_nights stay?
6. What is the different room type's offered by your city?

Part B

Import the calendar data into the notebook.

1. List the dates that have been booked. How many dates have been booked vs not booked?
2. Plot a histogram of the dates which have been booked.
3. Add to the figures a histogram of the dates which have not been booked.

Part C

1. Plot the average price for 10 random listings in your data.
2. Now modify the plot from step 1 to illustrate the standard deviation of the prices.
3. Plot the average price (including standard deviation) of all the listings which have a standard deviation greater than 0 in your data.

Part D

Plot the average price of listings over neighborhoods and room types.