6.0 – Population Density

Starting Point:

Full Data.xlsx

- Full Data.xlsx containing the full data set, very large file.
- No Visualizations
- Property Types – uncleaned

Process:

BarChartData.csv

- Create individual excel files to serve each chart. This allows for faster loading of each file & cleaner to create charts.
- First file was BarChartData.csv only with Address & Borough
- Python Create a Bar Chart with the total # of Listings per Borough
- Python_Vertical_bar_chart file

HorizontalBarChartA.csv

- Create Excel File for Horizontal Bar Chart
- File named HorizontalBarChartA.csv with Neighborhoods, Average Prices for the top 10 most expensive neighborhoods
- Python Create a Horizontal Bar Chart
- Python_Horizontal_bar_chart

StackedBarChartData2.0.xlsx

- Create Excel File for Stacked Bar Chart
- File named StackedBarChartData.xlsx with Address, Property Type, Borough
- Realized Property Type was not cleaned fully.
- Cleaned Property Types.
- Created new Excel file StackedBarChartData2.0.xlsx with Address, Claned Property Type, Borough
- Created Stacked Bar Chart
- Python_Stacked_bar_chart

Histogram_Data.xlsx

- Create Excel File for Histogram
- File named Histogram_Data.xlsx with Address, Bed rooms, Total Monthly Prices
- Created Python_Histogram showing the distribution of prices for 2 bed room listings within NYC

Result:

Python Visualizations folder

- Python file Creating Visualizations.ipynb showing the process
- Python_Vertical_bar_chart
- Python_Horizontal_bar_chart
- Python_Stacked_bar_chart
- Python_Histogram