

# **Key Role of Data Science in room** **exploration**

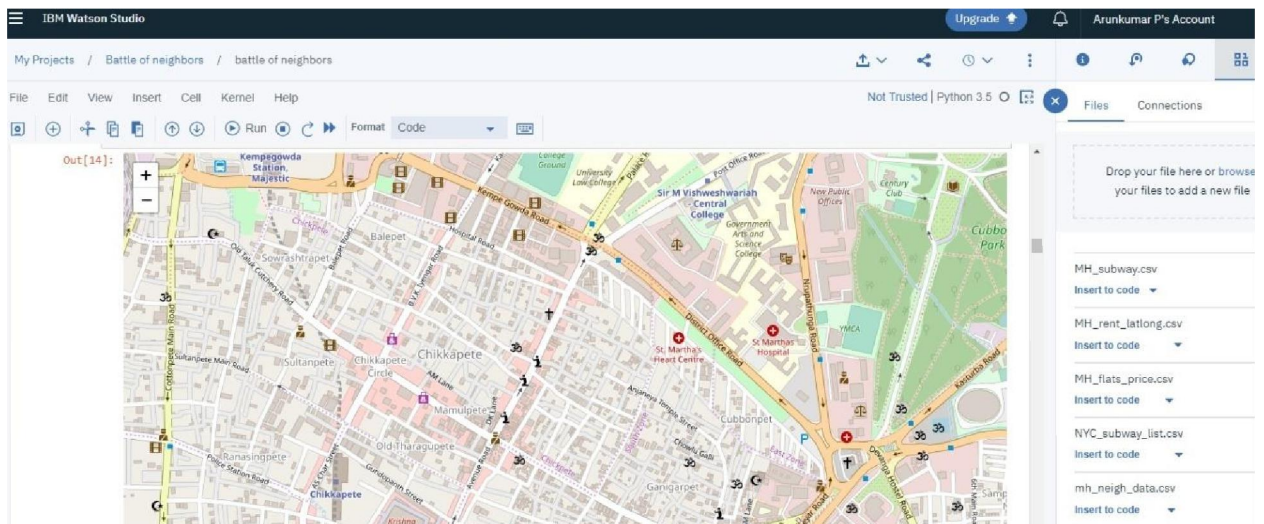
## Predicting the flat availability in near regions

- Methodology, tools and strategy used in this project is relevant for a person or entity considering moving to a major city in US, Europe or Asia.
- People can easily find the available spaces and other eminities.

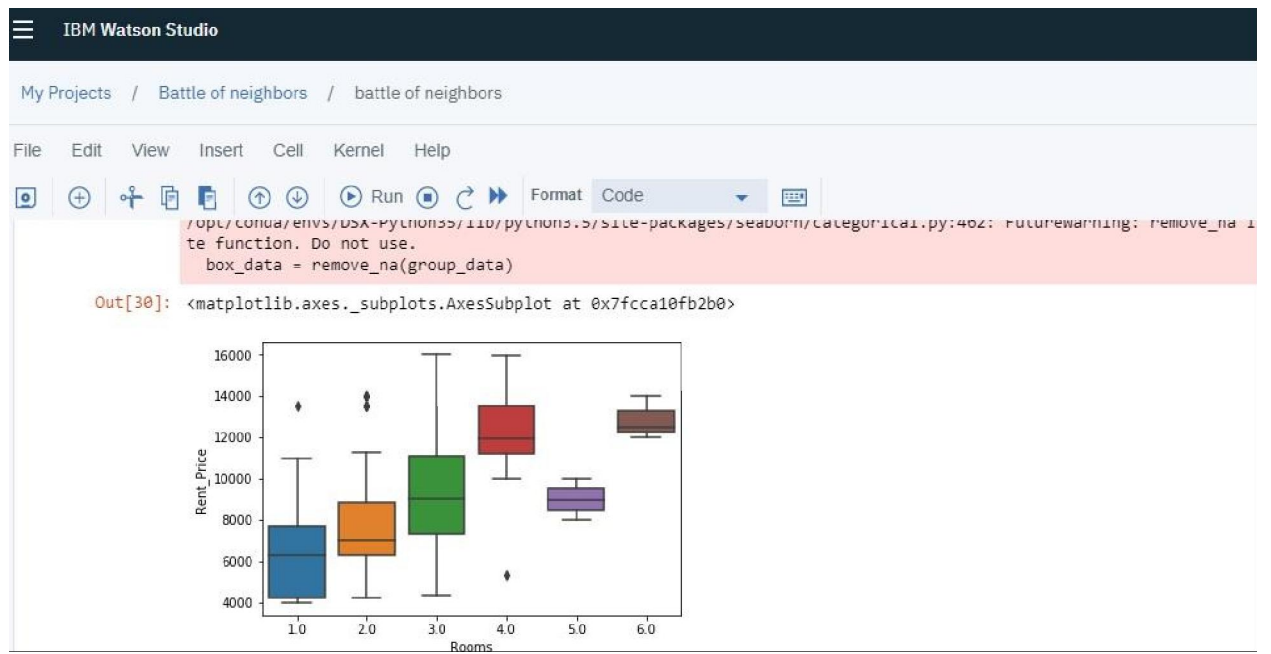
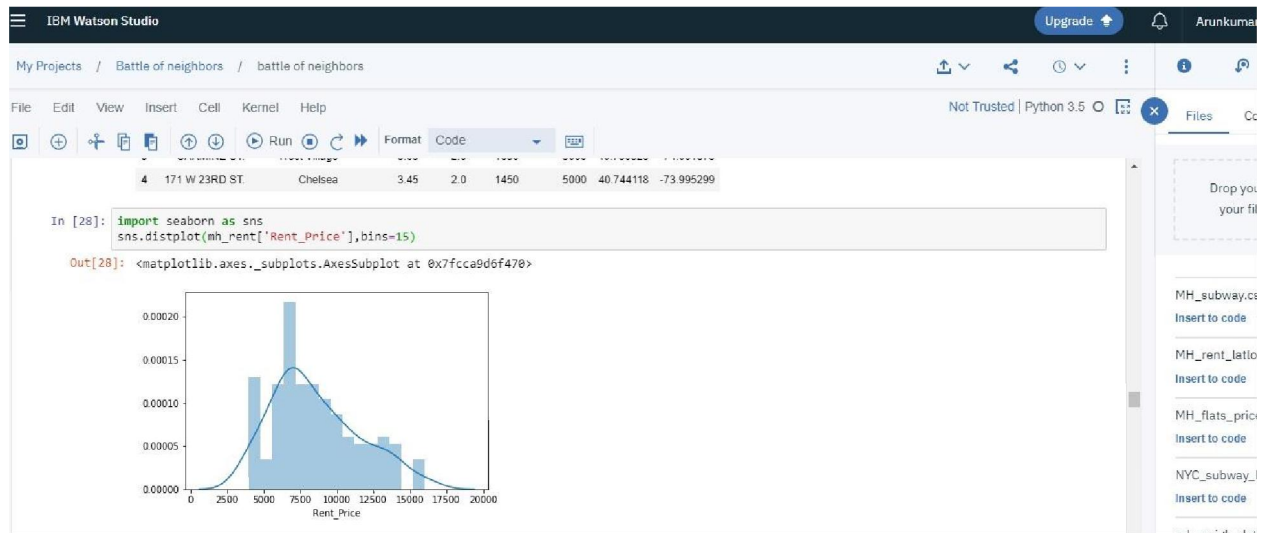
## Data acquisition and cleaning

- Geodata for current residence in Singapore with venues established using Foursquare.
- List of Manhattan (MH) neighborhoods with clustered venues established via Foursquare.
- List of subway metro stations in Manhattan with addresses and geo data.
- List\_of\_New\_York\_City\_Subway\_stations\_in\_Manhattan).

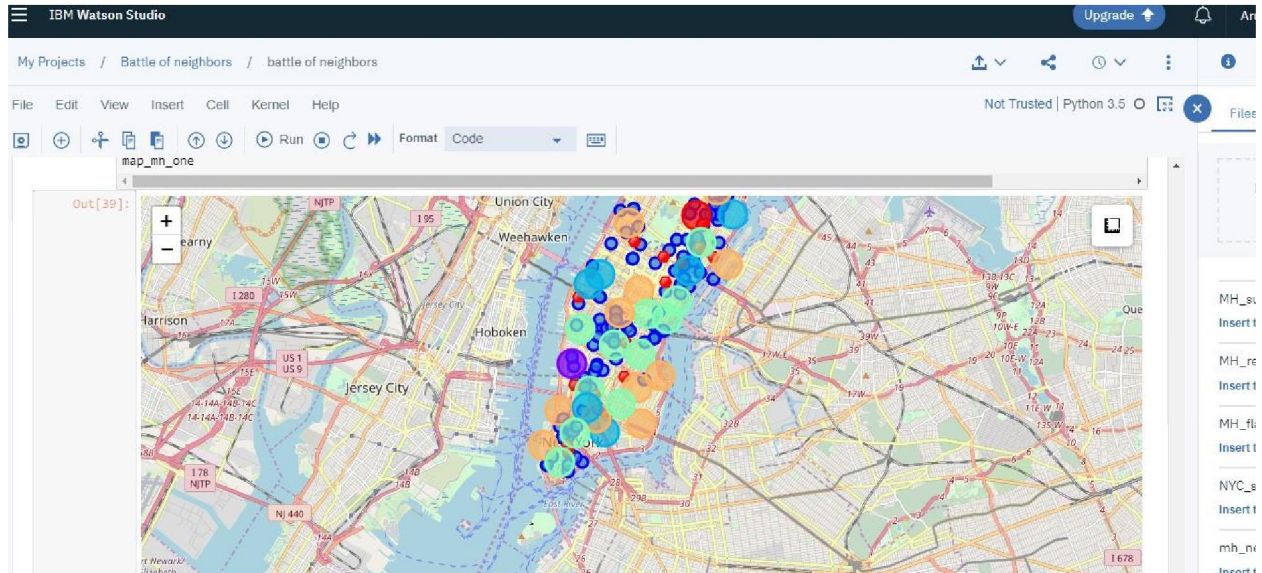
## Data Analysis



# Statistics



## Final Selection



## Conclusion and future directions

This project has shown me a practical application to resolve a real situation that has impacting personal and financial impact using Data Science tools. The mapping with Folium is a very powerful technique to consolidate information and make the analysis and decision thoroughly and with confidence.