Find Favorable cities near New York

Problem

- Loads of individuals are relocating to different conditions of America and required bunches of examination at great lodging costs and reputated schools for their kids.

- This undertaking is for those individuals who are searching for better areas. For simplicity of getting to Cafe, School, Super market, clinical shops, staple shops, shopping center, theater, clinic, similar individuals, and so on.

- They may need to find the most favorable cities near New York

Objectives

- The principle point of this Project is to help individuals in investigating better offices for living around New York urban communities.

- It will help individuals settling on shrewd and effective choice on choosing extraordinary spot out of quantities of different neighborhoods in New York, USA.
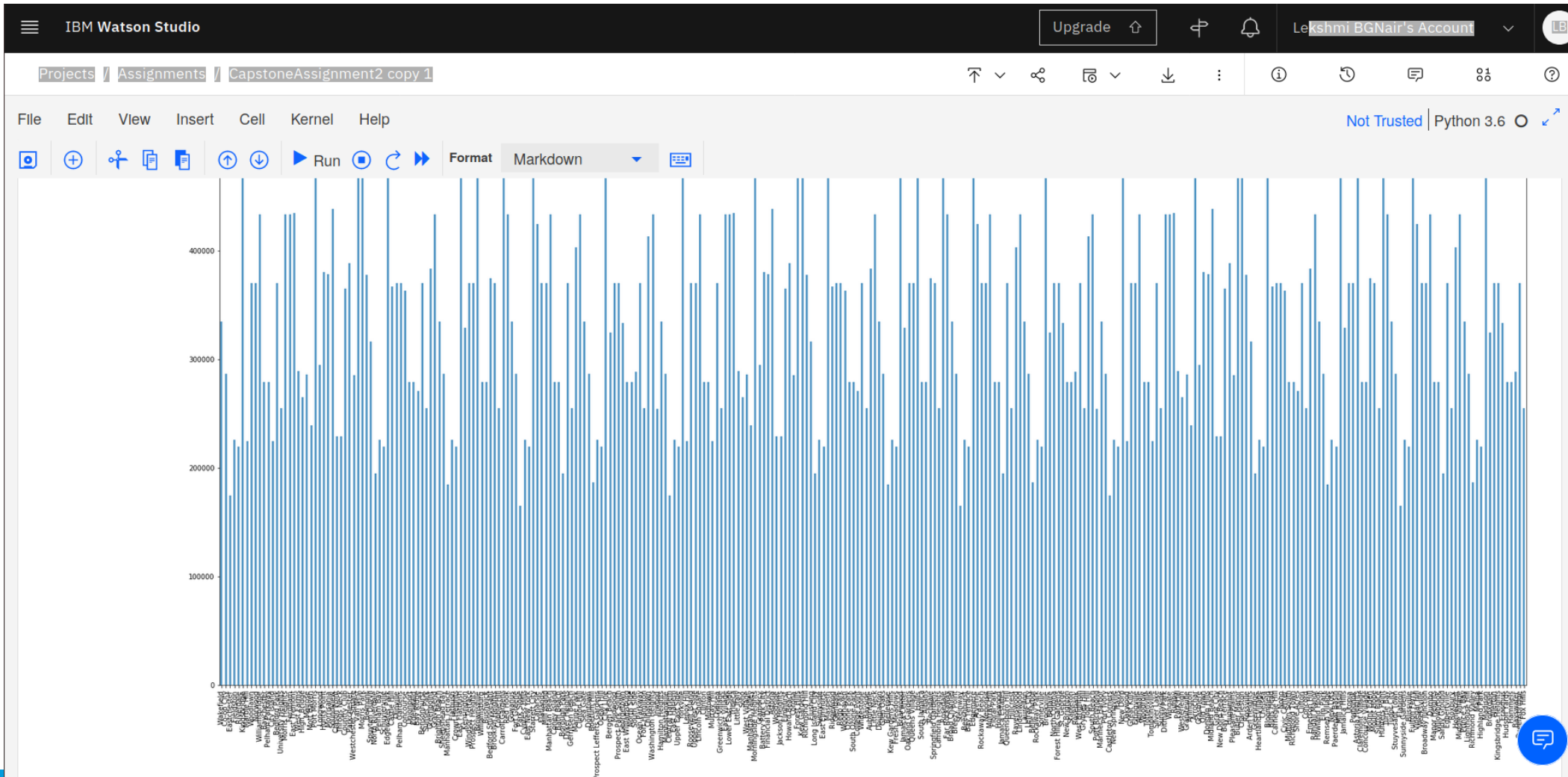
Methodology

- To look at the likenesses of two urban communities, we chose to investigate neighborhoods, section them, and gathering them into groups to discover comparable neighborhoods in a major city near New York.

- To have the option to do that, we have to bunch information which is a type of unsupervised clustering algorithm: kNN clustering.

- First we collect the location New York and then neighborhood cities are identified

- The information recovered from Foursquare contained data of scenes inside a predefined separation of the longitude and scope of the postcodes. The data acquired per setting as follows:

  - Neighborhood

  - Neighborhood Latitude

  - Neighborhood Longitude

  - Venue

  - Name of the venue e.g. the name of a store or restaurant

  - Venue Latitude

  - Venue Longitude

  - Venue Category

Results

- Map of clusters of cities near New York

Results

- Average housing price by cities

Results

- School rating by clusters

Conclusion

- In this report, utilizing k-means clustering isolated the neighborhood into 100 various groups and for 306 distinctive lattitude and logitude from dataset, which have fundamentally the same as neighborhoods around them.
- Utilizing the graphs above outcomes introduced to a specific area dependt on normal house costs and school rating have been made.
- This task has indicated me a useful application to determine a genuine circumstance that has affecting individual and budgetary effect utilizing Data Science devices.
- The planning with Folium is a ground-breaking procedure to solidify data and settle on the investigation and choice better with certainty.