

# CAPSTONE PROJECT

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# OBJECTIVE

- 1 Investigate the most recent market prices of Property in the New York City and recommend various locations where the prospective client can buy a property based upon his/ her budget using Machine Learning.

# BUSINESS PROBLEM

- New York City is one of the widely recognized city in the world because of its quality of life, job opportunities, cultural diversity. People from all around the world shift to New York for the same. One of the issues faced by all is settling down in the right neighborhood at the right cost which has all the necessary facilities.
- A potential client aspiring to buy a suitable property would like to become knowledgeable about the ongoing pricing to make a conscious decision. Further, he/ she would like to consider several factors like proximity to schools, medical care, restaurants to accommodate his/ her familial needs.

# Tools

① Scripting language - Python  
(Python 3x)

② IDE- Jupyterlab

③ Foursquare API

# Output/Result

- 1 List of recommended locations
- 2 Recommended locations in NYC plotted on map
- 3 Venues/ facilities list close to the property
- 4 Flexibility in choosing the budget

# Future Scope

- Enable additional condition checking for different PROPERTY types.
- Interactive UI

Thank You