Full report on Capstone project for Week4 Real estate:

Introduction / Business Problem:

New York city, is the most prominent, diverse and is the financial capital of the United States. It is multicultural and populous hence yields more opportunities for business. Restaurant business will be the one of the best choices to for the start up business. Here the market is highly competitive, hence needs more research in starting a restaurant depending on ethnicity of the people living and considering other factors. This will help in reducing the risk of loss at the same time gaining reasonable profits.

Data:

As per the course, for any project the essential factor is finding location data, describing places and venues, such as their geographical location, their category, working hours, full address etc. This will be better fit for business people as they always search for the best locations to accommodate their customers. These days Location data easily accessible through google but needs a help of a professional who can provide keen information on every aspect to help business growth.

Methodology:

Data science plays the key role in anything relating to Data. In this project we discuss how data scientists can help a restaurant owner to find the right location, type of restaurant etc. We learnt in this

course about location data and using that we get the information on neighbourhoods of New York city.

For that, create Data Frame and use the Foursquare API to get the popular locations depending on customer reviews and rating on different locations. Creating clusters and maps and analysing the neighbourhoods using Machine Learning and visualization to find out the best place to start a restaurant which yields more profits.

Discussion

New York city is the the best place to start a restaurant business. With using the csv files and other resources from FourSquare we will bring the bets outcomes from the coding in the next module. This is more of Statistical based methodology, hence I used Python, the statistical user friendly code to build the application which yielded the best results.

Conclusion

I have shown my work in finding the statistics through the code to get the best results to the restaurant owner.