Predicting the Food/Liquid preference

For small Restaurant planning in New York or Toronto

Introduction

In order to successfully run a small restaurant in either New York or Toronto,
We have to be clear on two basic questions:

What type of foods people like in either New York or Toronto ?

What type of Liquid people to enjoy ?

Today, I will explore these questions using python

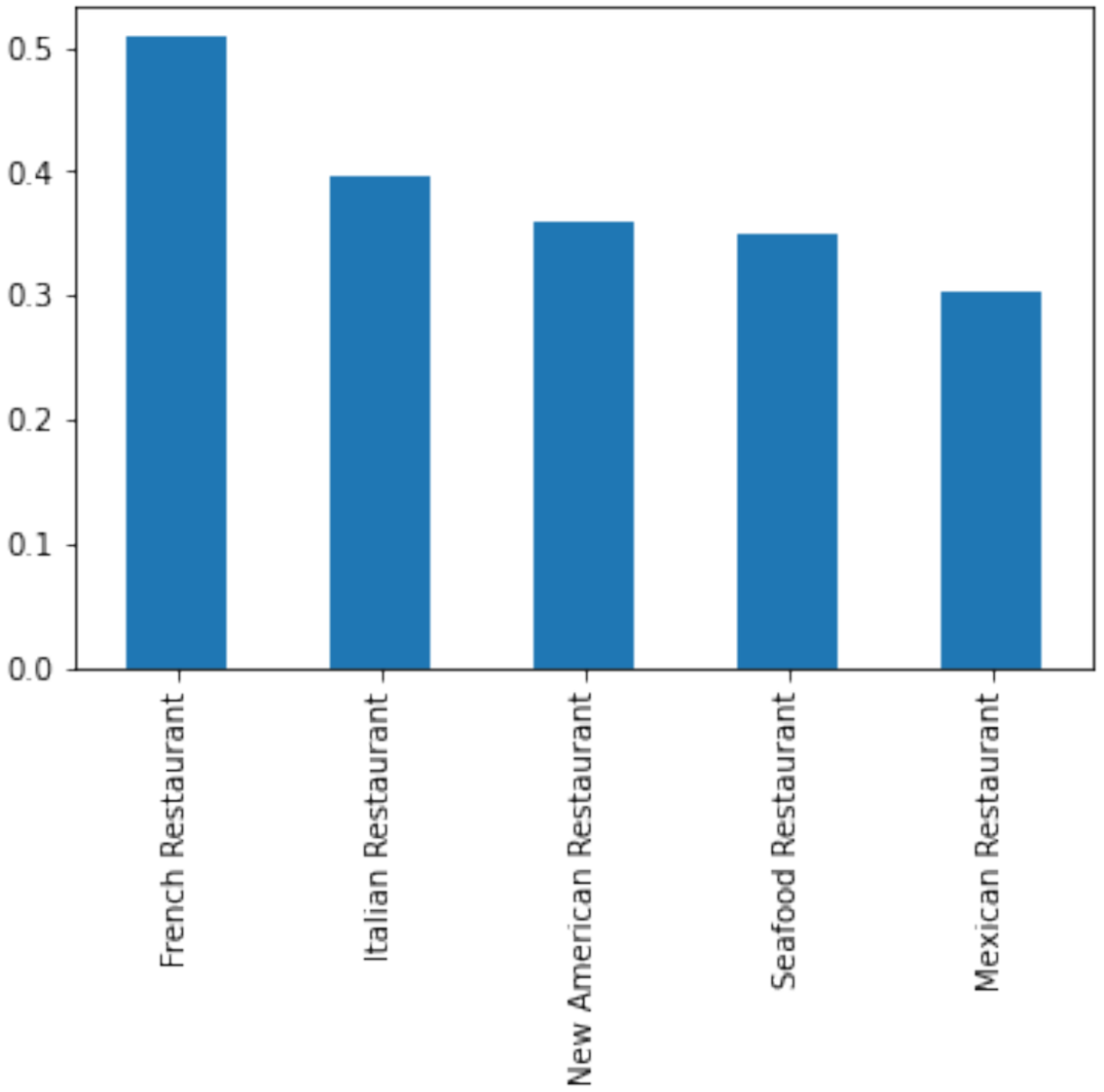
Data Source

Data is obtained from:

- FourSquare API
- Wikipedia about location and Postcode of each city
- In Seek of equivalency, I compare Borough in both Manhattan and Toronto Downtown Area. Both Area has many banking institute located.

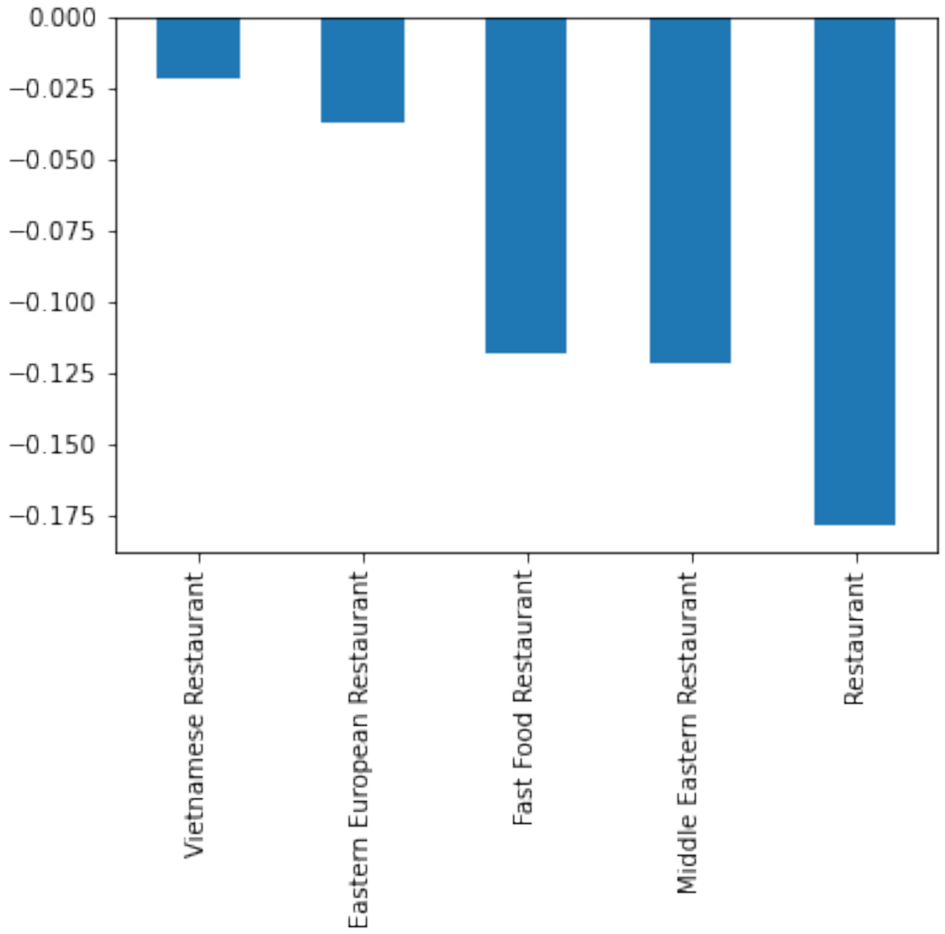
In City of New York

From the Graph, we see that ‘French Restaurant’, ‘Italian Restaurant’ and ‘New American Restaurant’ are top 3 type that best explain the ‘City Attribute’ for **New York**



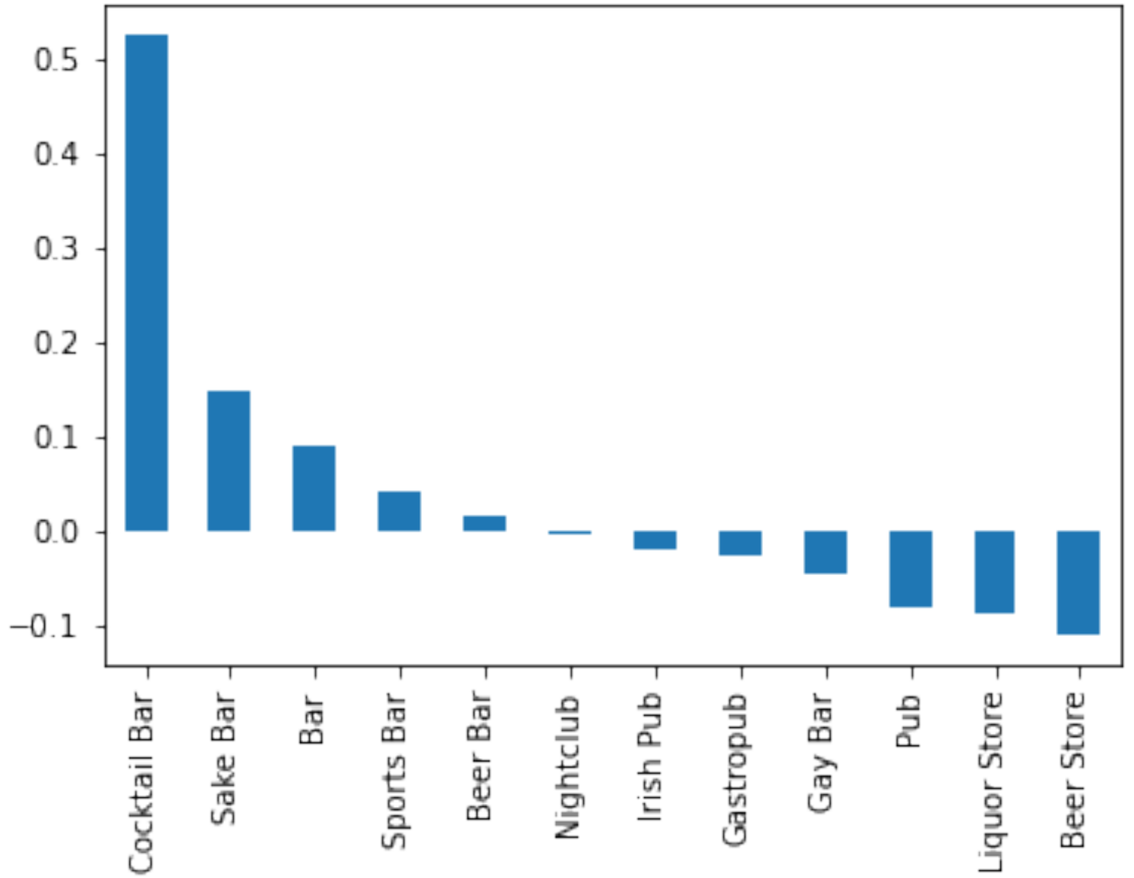
In City of Toronto

From the Graph, we see that ‘Middle Eastern Restaurant’, ‘Fast Food Restaurant’, ‘Eastern European Restaurant’, and ‘Other Restaurant’ are main factor that explain Toronto.



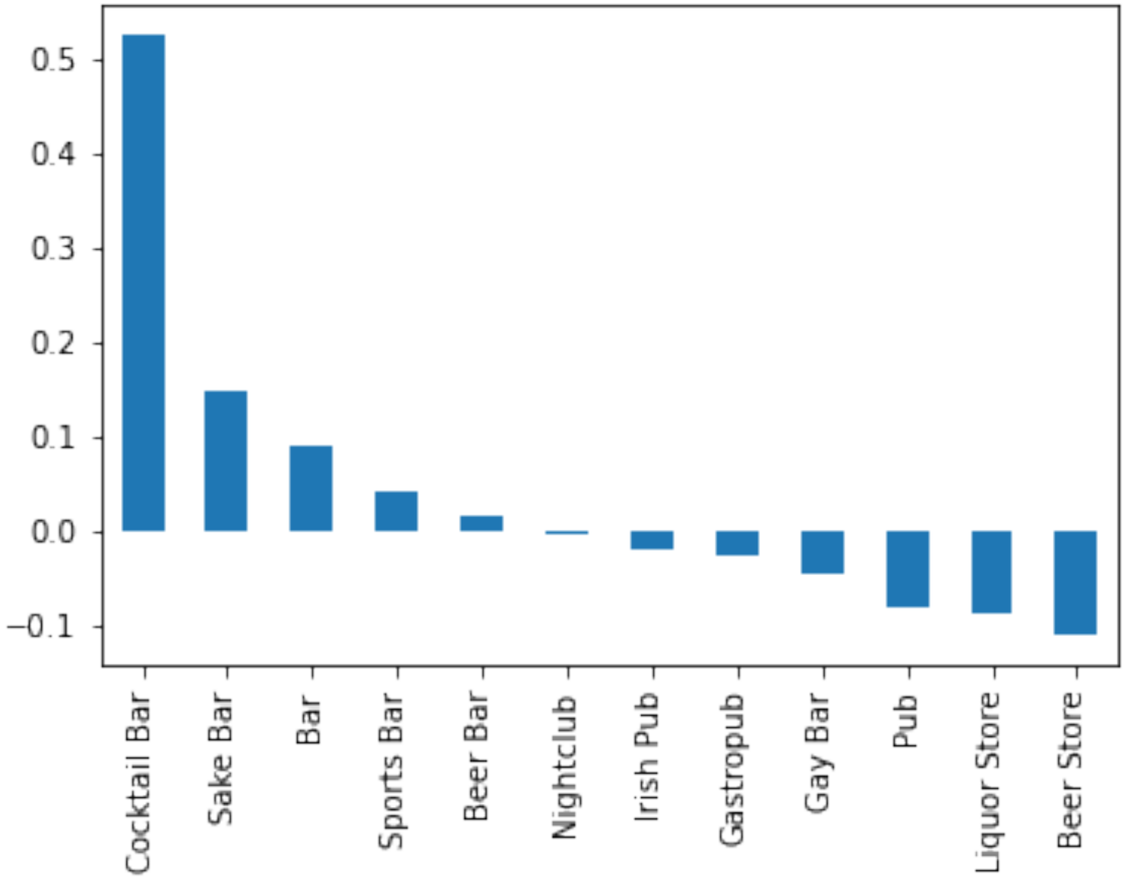
Liquid in New York

From the Graph, we see that New York favour to enjoy Cocktail Bar, Sake Bar or other kind of Bar.



Liquid in Toronto

From the Graph, we see that people in city of Toronto, likely to enjoy liquid in home because Beer Store, Liquor Store are Most related to city of Toronto. They also like to go to pub. however, it is hard for me to figure the difference between ‘bar’ and ‘pub’. Maybe both are same thing but different name.



Conclusion

- People in Manhattan seems having more French, Italian, New American Restaurant than City of Toronto (More willing to pay for fine-dinner than Toronto).
- Toronto have more Middle ‘Eastern Restaurant’, ‘Fast Food Restaurant’, ‘Eastern European Restaurant’, and ‘Other Restaurant’ than in New York (more diversified than New York).
- People in Manhattan seems more likely to accept Cocktail, Sake than Toronto.
- People in Toronto seems more likely to enjoy Liquid at home than people in New York.