

# **Coursera Capstone**

**IBM Data Science**

## **Opening a new restaurant in Chicago**

**By: Numan Talha Ayhan**

**December 2020**

- **Introduction:**

- When thought of Downtown Toronto we think of luxurious restaurants. From fast food to dine in Chicago is blessed with many different Cuisines.

- **Business Problem:**

- The objective of this capstone project is to analyze and select the best locations to build a restaurant, while also trying to figure out what the top 3 cuisines are to consider. Using python with pandas and machine learning tools we will look into this question more deeply.

- **Target Segment:**

- Target audience is franchise owners or those who are interested in opening up a restaurant in the city of Toronto.

- **Data:**

- List of neighborhoods in Toronto
- Latitude and Longitude coordinates
- Venue data

- **Sources of data ad methods to extract them:**

- Wikipedia page [https://en.wikipedia.org/wiki/List\\_of\\_postal\\_codes\\_of\\_Canada:\\_M](https://en.wikipedia.org/wiki/List_of_postal_codes_of_Canada:_M), this data was collected in capstone project week 3, so we will continue to use data,
- Foursquare API to receive information on venues.