**Coursera Capstone Project**

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**Project Overview**

**Objective:** Recommend a Manhattan neighborhood to visitors who like food and are interested in trying different types of restaurants

**Target audience:** travelers, visitors / newcomers to New York, food connoisseurs

**Description:** New York is a dynamic city with diverse cultures and incredible cuisines. Many people come to New York to try its award-winning restaurants and top-ranked food. From Michelin 3-star restaurants to casual street food, New York has so much to offer, and never fails to impress its residents as well as newcomers and visitors.

Among New York’s 5 boroughs, Manhattan is undoubtedly the most exciting neighborhood attracting millions of visitors a year. To many visitors, food is a big component of their trips. They tend to squeeze in as many great restaurant visits as they can during their 3-day, 7-day, or 30-day trip. Many end up staying in the city, like I did, for its food options unmatchable by any other city in the world.

For visitors, in order to optimize their stay and experience more restaurants, it is critical to stay in a neighborhood that has a large number of restaurants across multiple cuisines. This project aims to find out the most desirable Manhattan neighborhood for visitor and connoisseurs who are interested in trying different restaurants, so that they can maximize the value of they trip.

**Data**

**Data needed:** New York city Manhattan neighborhoods; Foursquare location data (venues in each neighborhood)

**Methodology:** Use Foursquare location data to find venues in each Manhattan neighborhood; recommend one or two neighborhoods that have the most number of restaurants and the most diverse cuisines**;** visualize neighborhoods on a map