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Course: Advanced Data Science with IBM Specialization

Peer-graded Assignment: Capstone Project - The Battle of Neighborhoods (Week 1)

Description

**Problem:** Charlie, a data scientist, is looking to invest money into a new business. His business partner and long-time friend is a chef and had decided to open a new Chinese restaurant in Toronto. Charlie is has decided to leverage his data-science skills to identify the perfect location (postal code) for the new restaurant.

**Restaurant:**

City: Toronto, ON, Canada

Type of Restaurant: Chinese

Tier: Mid

Target Audience: Middle-Upper class

Preferred location: In or near an area with a large Chinese population with little competition. Close to a mall or in a mall is preferred.

Solution

**Tools:**

Foursquare API

Stats Canada published statistics

**Data:**

Postal Codes

Population

Surrounding venues

TBD

Foursquare will be used to identify all the postal codes in Toronto. Once identified, they will be ranked with a points system based on population and surrounding venues. Locations such as schools or malls will be weighted more heavily than locations such as hospitals.

From this ranking, a single postal will be chosen for the new restaurant.