Capstone Project: Coursera Applied Data Science

Open a Supermarket in Greater Manchester



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Introduction

- Greater Manchester is a metropolitan county and combined authority area in North West England, with a population of 2.8 million; the second largest in England after Greater London.
- ► Today, Greater Manchester is the economic centre of the North West region of England and is the largest sub-regional economy in the UK outside London and South East England.Greater Manchester represents more than £42 billion of the UK regional GVA.



Introduction

▶ Supermarkets are the most important aspect of food production and distribution as they are the interface between supply and demand. It increase local consumption and also provide food with lower prices to residents.

► The success of opening a supermarket hinges on various aspects, one of the most important, is to choose the ideal location.

Business Issue

► This project aims to use machine learning techniques to find the best place to open a shopping mall in Philadelphia.

► The target people are businessmen, investors or even local government, who want to make profit via building a supermarket. It will also benefit residents.

Data

- ► Neighborhood Information
- ▶ Geographic Coordinates
- ▶ Venue Data

Existing Supermarkets



Data Source

► The neighborhood data is available on https://en.wikipedia.org/wiki/Category:Areas_of_Greater_Man chester

We use Foursquare API to access venue data, coordinates and other data.