**Coursera Capstone – Week 4**

## Capstone Project - The Battle of Neighborhoods

**Author: Haitham Mostafa**

**Problem and a discussion of the background**

Since London UK is one of the most expensive places to live in, the project is established in order to help the property seekers in order to get the proper recommendation based on their budget, using existing open source data officially provided by the UK government, data science can be used in order to provide the recommendations together with the most popular venues related to this recommendation.

The project is generic and can be used for any place with available data for properties purchase transactions.

**Description of the data and how it will be used to solve the problem**

Data provided by UK government in the form of CSV file with all the transactions for property purchasing with London and Wales, can be used in order to filter the proper districts for each property seekers budget and accordingly they can get all related facilities and point of interest using foursquare API.

Data Set Source: <http://landregistry.data.gov.uk/>