



Coursera: Capstone (IBM)

## Coursera Capstone Project



Project Name

- The Battle of Neighborhoods

London House Price Index: Price Paid Data

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## Data Section:

Following sources of data are used while executing the Capstone Project for the solution of the Current Business Problem.

### [1] HM Land Registry: Price Paid Data

- **Data title: -**  
Open Data published by Government of UK under the section **HM Land Registry: Price Paid Data**
- **Type of data:**  
CSV file (Comma separated Value)
- **Duration:**  
August 2018 data
- **Description of the dataset: -**  
Price Paid Data includes information on all property sales in England and Wales that are sold for full market value and are lodged with us for registration.

The dataset includes the transactions received at HM Land Registry in the period from the first to the last day of August 2018.

- **LINK:**  
This dataset was downloaded and later hosted on <https://labs.cognitiveclass.ai/> for ease of use.
- **Source: -**  
<http://landregistry.data.gov.uk/>

### [2] Google Maps Geocoding API

- **Data title: -**  
Google Maps Geocoding API
- **Type of data: -**  
JSON



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- **Duration:** -  
N/A
- **Description of the data:**  
Location coordinates obtained by G Maps API calls.

Location Information obtained from Price Paid Dataset is used to obtain the location coordinates from Google Maps.

A separate Python script has been developed to extract the unique street names, district names from the Price Paid Dataset and embed those in the G Maps API calls to obtain the required information.

- **Source:** -  
Google Cloud Platform/ Google Maps

### [3] Foursquare location data

- **Data title:** -  
Foursquare location data
- **Type of data:** -  
JSON
- **Duration:** -  
N/A
- **Description of the data:** -  
Location coordinates obtained by Foursquare API calls.

To determine the proximity of various amenities as per the client's requirement, Foursquare location data is used.

- **Source:** -  
<https://foursquare.com/>