

# **Capstone Project – The Battle of Neighbourhoods**

**SIMRAN GUPTA, WB**

**Exploring the neighbourhoods of London for information on Nursery Schools**

## **Data Source:**

- The information on the nursery schools in London can be obtained from <https://www.daynurseries.co.uk/>
- The spatial data such as latitude and longitude will be obtained using ‘geopy.geocoders’ Python library.
- The data obtained will be processed in the following ways:
  - ◆ Obtain the geographical coordinates.
  - ◆ Clean the data and create a data frame
  - ◆ Explore and analyze the neighbourhood
  - ◆ Group by neighbourhood
  - ◆ Clustering neighbourhood using K-means clustering
  - ◆ Visualizing the resulting clusters
  - ◆ Making a recommendation