2.- Data section

2.1.- Requirements

- List of neighborhoods in Mexico City (CDMX) and their coordinates location.
- List of venues for a specific neighborhood area.

2.2.- Data sources, processing and tools used

- To obtain the list of neighborhoods, we will be using a dataset from the local government which are free and public, and it is available on this link:
  https://datos.cdmx.gob.mx/explore/dataset/coloniascdmx/table/?dataChart=eyJx dWVyaWVzIjpbeyJjb25maWciOnsiZGF0YXNldCI6ImNvbG9uaWFzY2RteCIsIm9wdGl vbnMiOnt9fSwiY2hhcnRzIjpbeyJhbGlnbk1vbnRoIjp0cnVlLCJ0eXBlIjoiY29sdW1uIiwi ZnVuYyI6IkFWRyIsInlBeGlzIjoiZW50aWRhZCIsInNjaWVudGlmaWNhXNwbGF5Ijp0c nVlLCJjb2xvciI6IiM2NmMyYTUifV0sInhBeGlzIjoibm9tYnJlIiwibWF4cG9pbnRzIjo1MC wic29ydCI6IiJ9XSwidGltZXNjYWxlIjoiIiwiZGlzcGxheUxlZ2VuZCI6dHJ1ZSwiYWxpZ25 Nb250aCI6dHJ1ZX0%3D
- To proccess the dataset we will need to use Foursquare API and get venues near 1 km around the neighborhoods, the top ten of venues categories, transform into one hot encoding and merge them with the previous dataset.
- There are 1,812 neighborhoods in CDMX, we will add a column to count the total number of venues for each neighborhood.