

# **Coursera Capstone**

## **IBM Applied Data Science Capstone**

### ***Opening a Bar in Oslo, Norway***

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*August 2020*

## **Introduction**

A friend of mine wants to open a bar in Oslo. Oslo is a vibrant city and people like to hang around in bars with friends. Since he worked as a bartender for many years, he would like to have his own bar. The question is where the new bar should be open?

## **Business Problem**

The objective of this capstone project is to analyse and select the best locations in the city of Oslo, Norway to open a successful new bar. Using data science methodology and machine learning techniques like clustering, this project aims to provide a solution to the most important question: in what location should be the bar open?

## **Data**

**To solve the problem, we will need the following data:**

- List of neighbourhoods in Oslo.
- Latitude and longitude coordinates of those neighbourhoods. This is required to plot the map and to get the venue data.
- Venue data, particularly data related to bars. We will use this data to perform clustering on the neighbourhoods.

Sources: Wikipedia and Foursquare API

