The Battle of Neighborhoods

APPLIED DATA SCIENCE CAPSTONE PROJECT

„What's the best place to search for a house in London for a sushi lover"

By Adam A

Introduction

- Background:
    - London is a great multicultural city with plenty of opportunities for everyone. It is a home to great tourist attractions, food and drinks.
    - Being a home to 8.9 million people, there are plenty of places to pick to look for a flat to rent.

- Problem Description:
    - How does a food lover with specific love of cuisine moving to London decide what is the best place to search for a house?
        - To our target user, safety is very important, we need to suport finding a safe neighborhood.
        - In this case the target user is a sushi lover, we need to find a safe borough with a highest amount of good sushi places.

Data Acquisition

▶ The data to achieve this will come from three sources.

  ▶ The list of boroughs will come from Wikipedia:

    ▶ https://en.wikipedia.org/wiki/List_of_London_boroughs

    ▶ This data will be used to determine geographical location of each borough.

  ▶ Crime statistics will come from London database with geographical breakdown:

    ▶ https://data.london.gov.uk/dataset/recorded_crime_summary

    ▶ This data will be used to filter the London's boroughs based on safety

  ▶ The foursquare API, where a list of sushi restaurants will be requested.

    ▶ https://api.foursquare.com

    ▶ This data will be used to search for best sushi restaurants