Capstone Project - The Battle of Neighbourhoods Report

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Introduction

My capstone project aims to find the safest area in London based on the crime rate, and using k-mean clustering to find the most common venue in each neighbourhood.

I believe this will be interesting to all new Data Scientists or anyone interested in crime and the London area.

Data

This dataset is created from scratch using the list of neighbourhoods available on the Google Maps API geocoding site.

Methodology

After running the K-means clustering we can access each cluster created to see which neighbourhoods were assigned to each of the clusters.

Results

Comparing five boroughs with the lowest crime rate during the year 2016, City of London has the lowest recorded crimes followed by Kingston upon Thames, Sutton, Richmond upon Thames and Merton.

Discussion

I recommend comparing the clusters based on the numbers found for each neighbourhood.

Conclusion

This project also helps show the reader the different neighbourhoods with respect to the most common venues in that neighbourhood and taking into account the safety of each