Location Recommendation System for New Businesses in Budapest, Hungary

By Tamás Berki

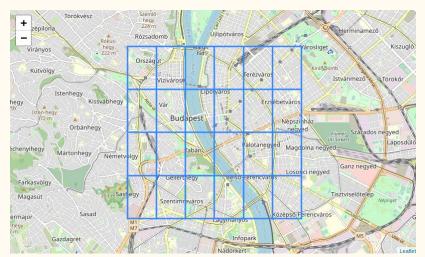
How to find the best location of your new business in Budapest?

Data

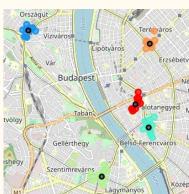
- Foursquare's Places API
- List of categories
- Location data of existing venues

Methodology

- 1. Divide the area of interest into smaller regions
- 2. API call for each region to fetch the location data of existing venues
- 3. Apply Mean Shift Clustering
- 4. Show the results on the map





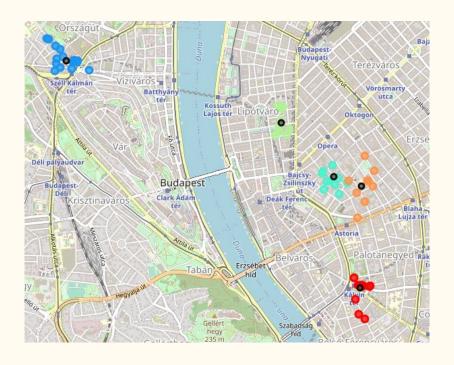


Results

Restaurants

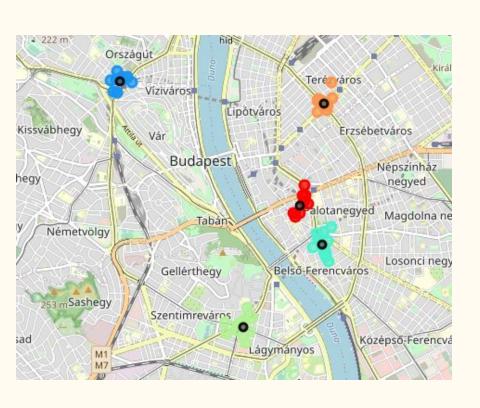
Vörösmarty Batthyan utca tér Kossuth Lajos ter Lipótváros Okt Opera Bajcsy-zsilinszky Budapest Dean Ference Clark Ádám Blaha Lujza tér Astoria Palotanegyed Rákóczi Erzsébet híd Tabár Gellért-Szabadság hegy Gellerthegy Corvinnegyed

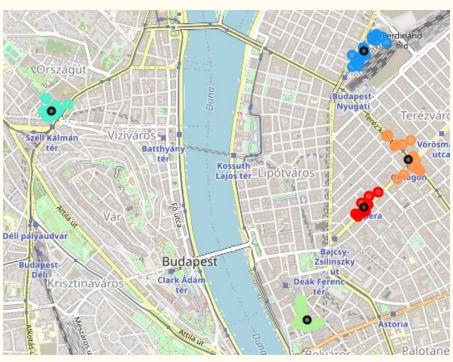
Coffee Shops



Book stores

Jewelry stores

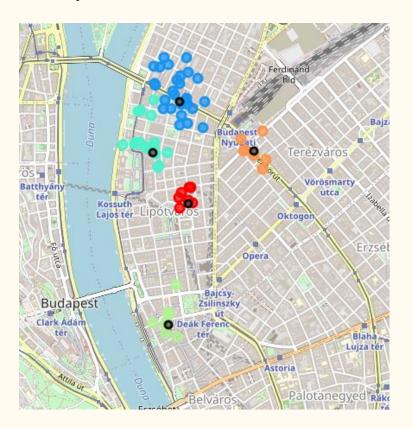




Hotels



Lawyers



Conclusion

A location recommendation tool was developed and tested for a couple of categories. The tool provides meaningful recommendations to many categories what are available in Foursquare.



Thanks for watching