

Relocation Project

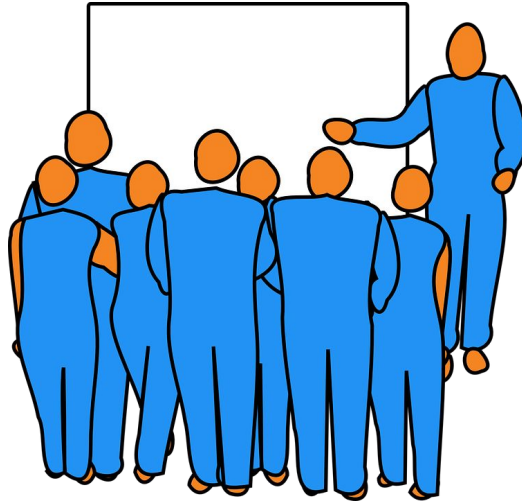
Coursera Capstone

Introduction

- Relocation is the action of moving to a different place and establishing a residence there.
- Relocation is done by people for many reasons such as for a new company position in a different place or for marriage reasons.
- This project aims to provide information for people looking to relocate between the districts in Bangkok and the districts in Chiang Mai.

Target Audience

- Those who need to relocate from Bangkok to Chiang Mai or vice versa.



Scope

- The scope of this project is limited to Bangkok and Chiang Mai only.
- This project will only use features related to lifestyle.

Data

- Proportion of venue types
- Population Density

Methodology

1. Get list of districts names
2. Get latitude and longitude of districts
3. Get population data for each district
4. Get area data for each district
5. Calculate population density
6. Get venues for each density
7. Preprocess Data
8. Cluster!

Results

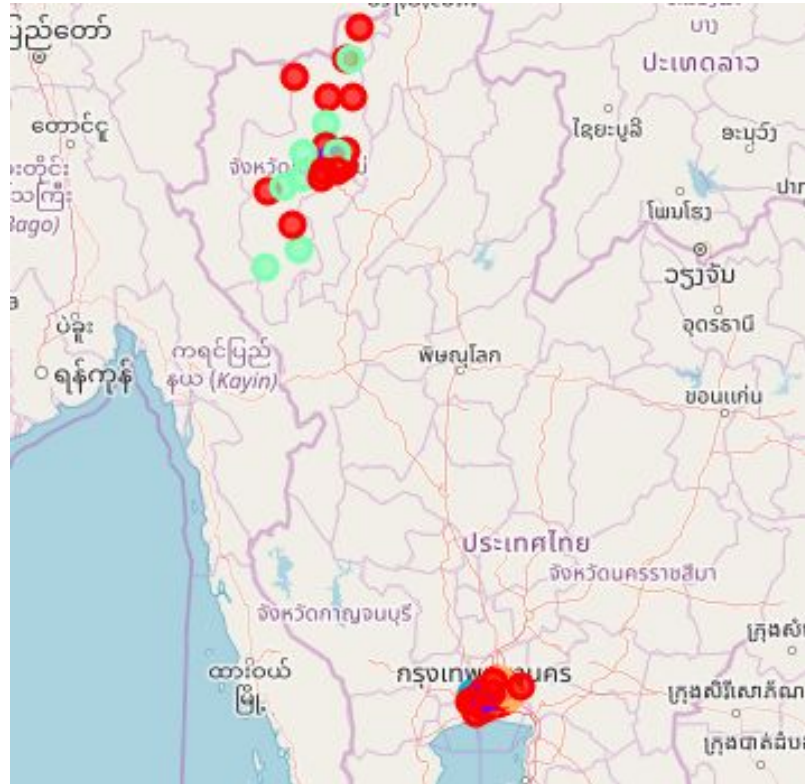


Fig 1 - An overview map showing both Bangkok and Chiang Mai

Results

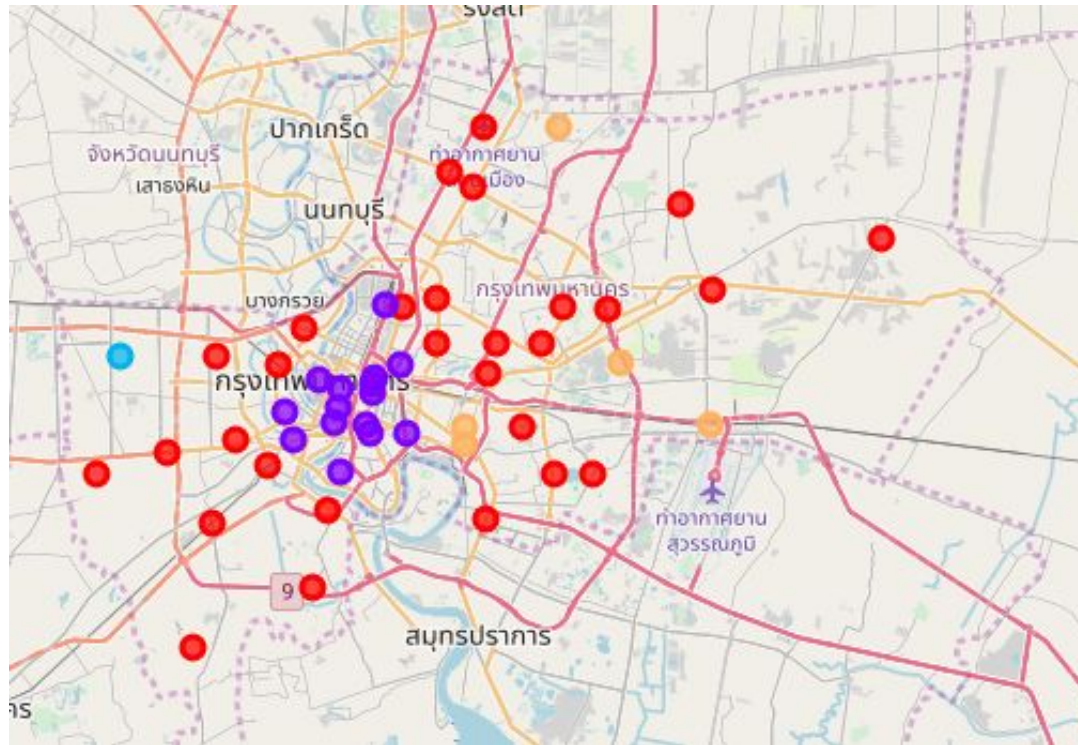


Fig 2 - A map showing the clustering for all 50 districts in Bangkok, Thailand.

Results

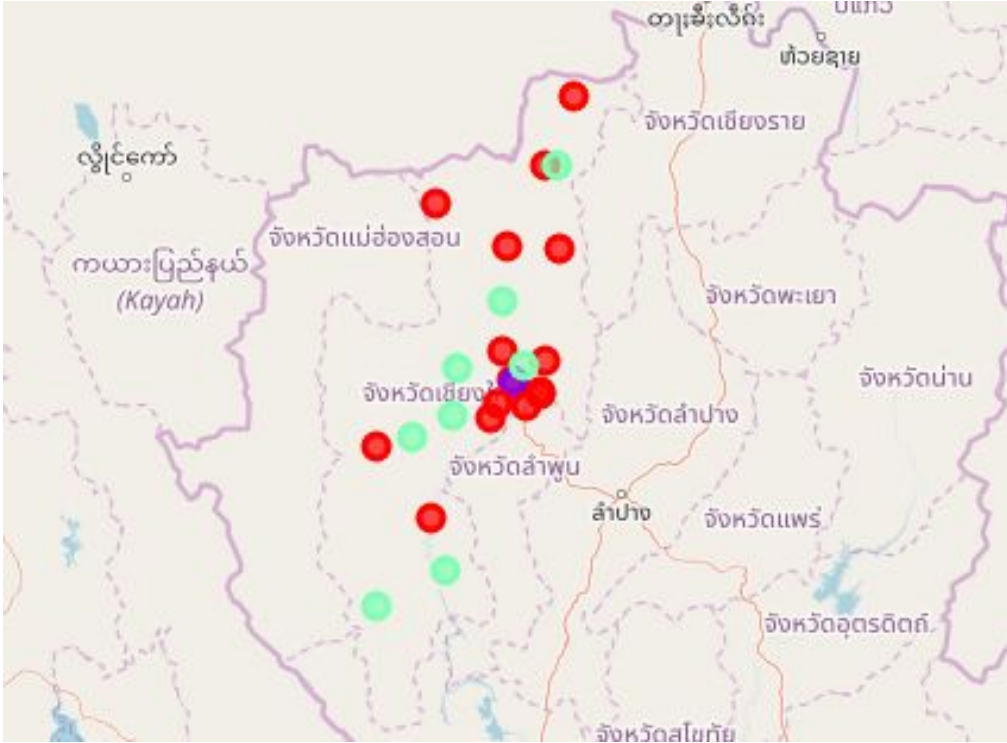


Fig 3 - A map showing the clustering for 24 districts in Chiang Mai, Thailand.

Discussion

- The suburbs of Bangkok are very similar to the city area of Chiang Mai
- The outskirts of Bangkok are similar to the suburbs of Chiang Mai
- The city center of Bangkok is unlike any area in Chiang Mai except for Mueang Chiang Mai
- The outskirts of Chiang Mai is also very different from all districts in Bangkok.