



# Bangkok Property Investment Analysis

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# Fact About Bangkok

- Capital City of Thailand
- Consist of 50 Districts
- Population : 8.281 Million
- #1 Global Destination City in 2018 by Forbes



# Problems Analysis and Goal

Problem	Goal	Target Audience
<ul style="list-style-type: none"><li>- With the size of the metropolis, it is important to analyse the suitable district for property investment</li></ul>	<ul style="list-style-type: none"><li>- Analyse the suitable area to invest in property</li><li>- The analysis will be based on districts</li></ul>	<ul style="list-style-type: none"><li>- Investor who interested to invest Bangkok's property</li></ul>

# Data Description

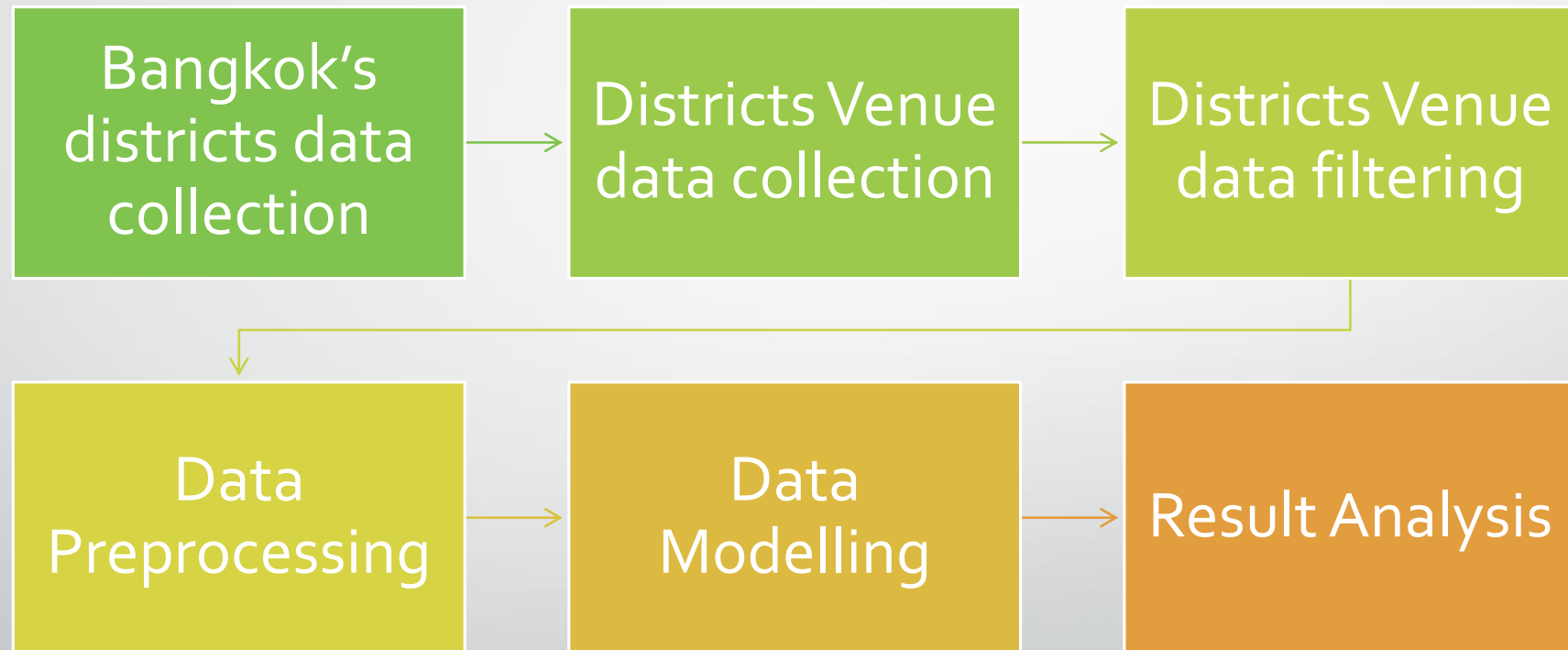
## District Information Data

- District Name
- Latitude & Longitude

## Foursquare API Data

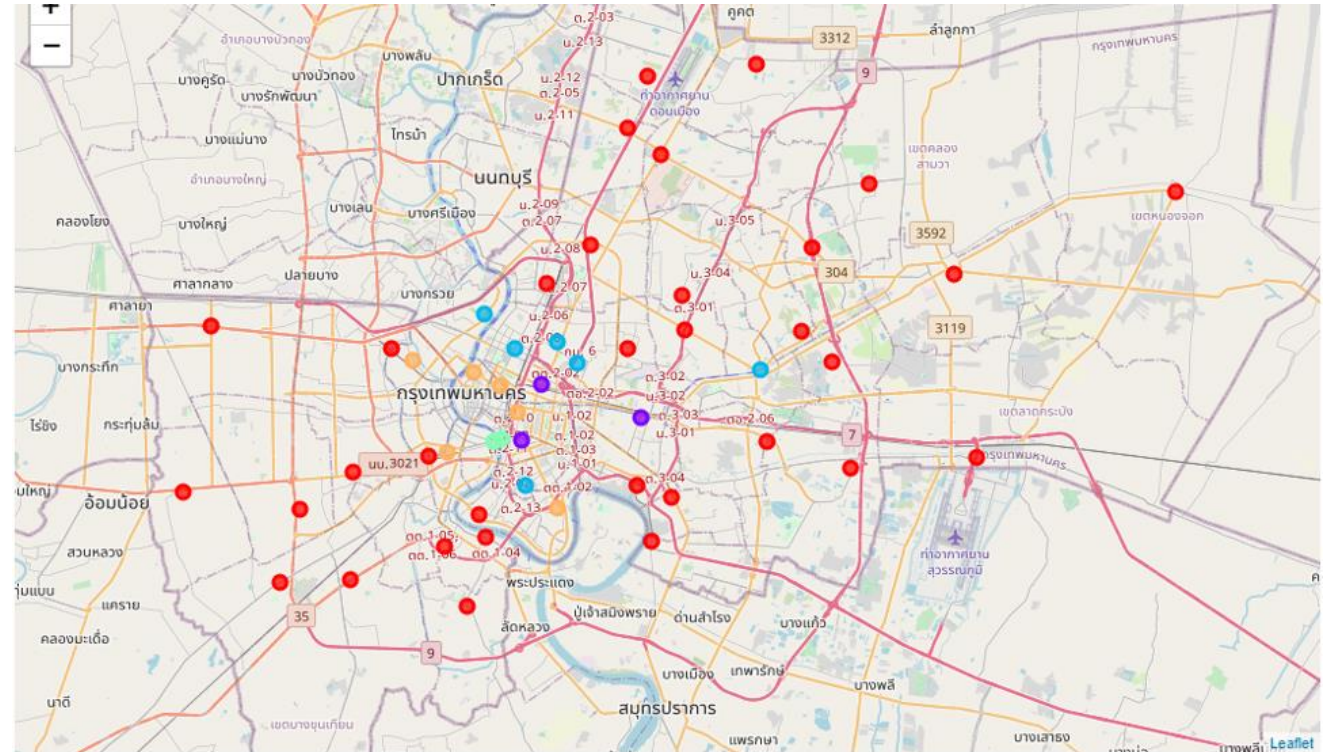
- Number of schools in each district
- Number of Supermarkets
- Public Transport Availability
- Number of Medical Centre
- Available Green Area

# Methodology



# Result

- Most of the districts in the outer zone of Bangkok is in the unsuitable cluster
- The districts in the inner zone is in the variety of clusters.



Unsuitable

Suitable



# Evaluation (Result)

- The cluster was developed based on available facility
- District with yellow label have high and balanced number of facility
- The district in the outer zone of Bangkok have the number for each facility less than 10 venues



# Evaluation (Analysis Problem)



Current API limit 100 venues per API call



Radius of venue search not cover all area of districts



Other factor need to be considered to increased the accuracy e.g. population density, property value

# Conclusion

- The district listed are most suitable for property investment
  - Bangkok Noi
  - Pathum Wan
  - Phranakorn
  - Pom Prap Sattru Pai
  - Thonburi
  - Yannawa



# Future Work



Take Population density into account



Take property price into account



Use different API e.g. Google Place API



Expand the search to cover all area in district



# Reference

<https://www.forbes.com/sites/ericrosen/2019/09/04/the-worlds-most-visited-city-is-bangkok/#25cdc2edcd26>

[https://en.wikipedia.org/wiki/List\\_of\\_districts\\_of\\_Bangkok](https://en.wikipedia.org/wiki/List_of_districts_of_Bangkok)

<https://developer.foursquare.com/>