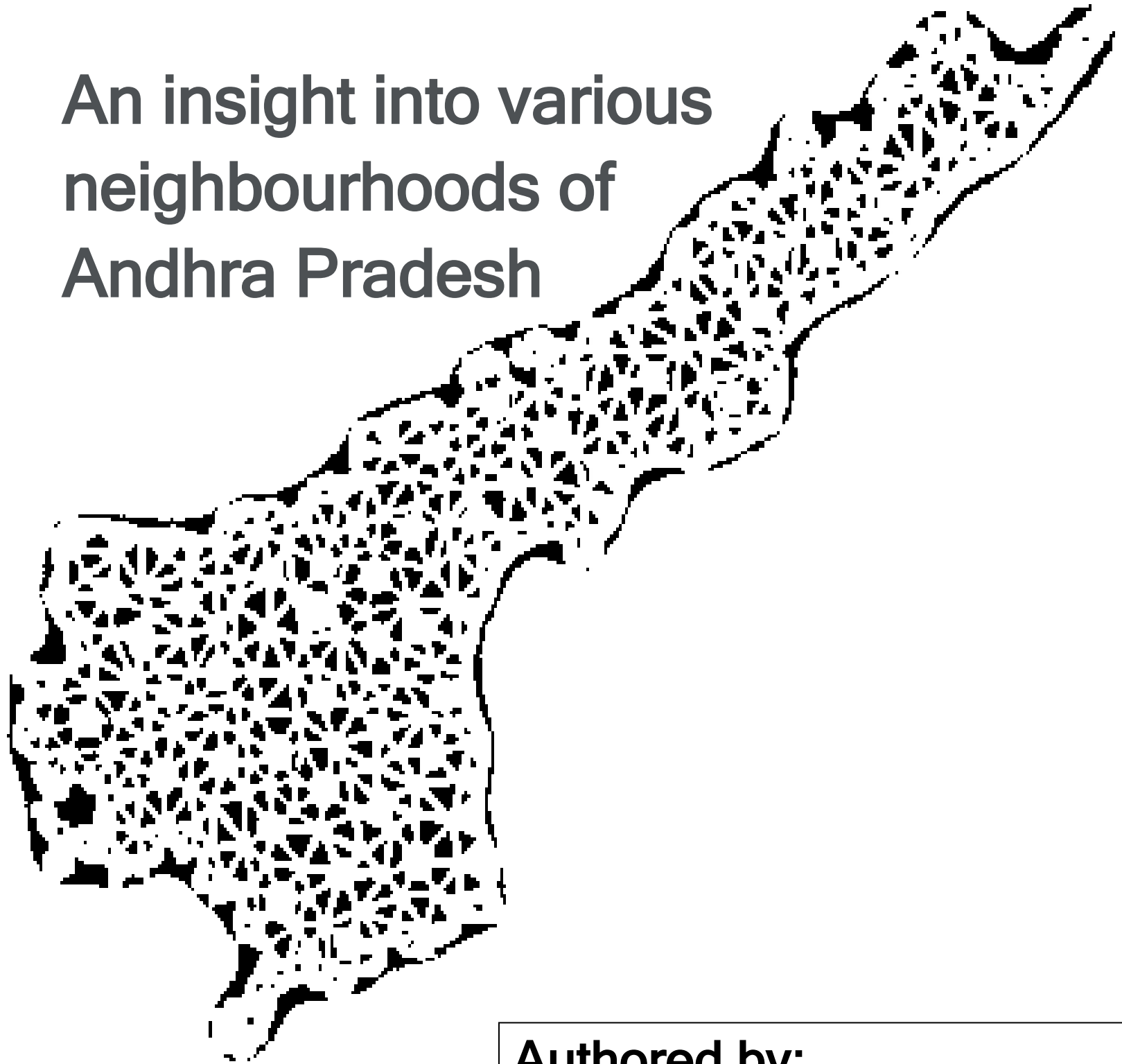


# CHOOSE YOUR PLACE

An insight into various  
neighbourhoods of  
Andhra Pradesh



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# INTRODUCTION:

The project aims at giving an idea regarding which neighborhoods in a particular district are better options for people to live. The neighborhoods are analyzed based on various criterion. For example, if there are two neighborhoods, one with schools, parks, movie theatres and the other with a chemical factory, people who are new to the place will go on to choose the first neighborhood. A few of the criteria selected to cluster the neighborhoods include shops and services, residences, medical centers, schools and recreation.

The question is to cluster the data of different neighborhoods of a particular district(borough). The state of Andhra Pradesh, India has 13 districts that are of varied cultures and heritage.

The attempt is to divide the districts into clusters based on neighborhood data of each district and check if there are any implications of the results on other previously calculated statistics like GDP, area, population, Literacy rate etc.

The results also help real estate businesses in estimating which places people would like to stay and thus predict prices accordingly, it can help establishments like factories to understand in which areas similar ones have been set up and can thus help them to choose a place.

# DATA:

The data required for the project can be classified into two types.

- Location Data- Data regarding various places present in a neighborhood, like shops, hospitals, schools etc.
- District Data- The names of various districts present in the state and all neighborhoods present in each district.

The location data is acquired from Foursquare API, which returns results to queries about a particular place, the data present with the Foursquare API is updated frequently hence the project outcomes will be the ones that can be used contemporarily.

The district data is available on the following Wikipedia pages:

- Names of districts:  
[https://simple.wikipedia.org/wiki/List\\_of\\_districts\\_in\\_Andhra\\_Pradesh](https://simple.wikipedia.org/wiki/List_of_districts_in_Andhra_Pradesh)
- Neighborhoods of all districts:
  - Anantapur District:  
[https://en.wikipedia.org/wiki/Anantapur\\_district](https://en.wikipedia.org/wiki/Anantapur_district)
  - Chittoor district:  
[https://en.wikipedia.org/wiki/Chittoor\\_district](https://en.wikipedia.org/wiki/Chittoor_district)
  - East-Godavari district:  
[https://en.wikipedia.org/wiki/East\\_Godavari](https://en.wikipedia.org/wiki/East_Godavari)
  - Guntur district: [https://en.wikipedia.org/wiki/Guntur\\_district](https://en.wikipedia.org/wiki/Guntur_district)
  - YSR Kadapa district:  
[https://en.wikipedia.org/wiki/Kadapa\\_district](https://en.wikipedia.org/wiki/Kadapa_district)
  - Krishna district:  
[https://en.wikipedia.org/wiki/Krishna\\_district](https://en.wikipedia.org/wiki/Krishna_district)
  - Kurnool district:  
[https://en.wikipedia.org/wiki/Kurnool\\_district](https://en.wikipedia.org/wiki/Kurnool_district)
  - Nellore district:

[https://en.wikipedia.org/wiki/Nellore\\_district](https://en.wikipedia.org/wiki/Nellore_district)

- Prakasam district:  
[https://en.wikipedia.org/wiki/Prakasam\\_district](https://en.wikipedia.org/wiki/Prakasam_district)
- Srikakulam district:  
[https://en.wikipedia.org/wiki/Srikakulam\\_district](https://en.wikipedia.org/wiki/Srikakulam_district)
- Vizianagaram district:  
[https://en.wikipedia.org/wiki/Vizianagaram\\_district](https://en.wikipedia.org/wiki/Vizianagaram_district)
- Visakhapatnam district:  
[https://en.wikipedia.org/wiki/Visakhapatnam\\_district](https://en.wikipedia.org/wiki/Visakhapatnam_district)
- West Godavari:  
[https://en.wikipedia.org/wiki/West\\_Godavari\\_district](https://en.wikipedia.org/wiki/West_Godavari_district)

In order to check if there is any relationship of the cluster with statistics like GDP, literacy rate etc. data is available in the following website: [https://www.ap.gov.in/?page\\_id=36](https://www.ap.gov.in/?page_id=36)