

COURSERA CAPSTONE

IBM Data Science Professional - Applied Data Science Capstone

Where to Open a Mall in Jakarta



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1. Problem Description

If we want to go to just one place to do everything like shopping, having dinner, kids recreation, and also watching a movie, we want to go to a place called a Mall. Mall is a good place to relax and refresh yourself from this tiring working world. Not only beneficial for visitors, malls also offer potential new branch places for companies, adding income to property developers, and also a workplace for the unemployed.

In Jakarta, the process of building to opening a new mall is a complicated process. But in that process, there are many things to consider especially from a location perspective. Is the location big enough? Are there many people living there so that the mall is easily approachable? Where are the best possible places to open the mall?

This project is made in order to help property developers who want to build a new mall in Jakarta and also Jakarta landlords who probably and by any means want to build something out of their lands.

2. Data Description

To solve this problem, we will need the following data:

- Districts in Jakarta
- Population Density for every district
- District size in how many sub districts there are

The data the writer is collecting comes from wikipedia scraping from this [link](#). The writer will also use geopy to get longitude and latitude to further visualize best possible places to build malls in Jakarta. Also the writer will use [population density data](#) to know places and districts in Jakarta.