

The Battle of Neighborhoods- Bali Indonesia

1. Introduction where you discuss the business problem and who would be interested in this project:

I am going to be exploring the island of Bali in Indonesia as a travel destination first and then looking for areas where hotel investments would be sound. I will be looking at the different cities and utilizing foursquare to get more insights on services available: hotels, cafes, restaurants.. Based on the result of the analysis, I will look at which area would be better for a new hotel based on the need, potentially the population and number of tourists visiting over the last years. The target for this analysis would be a potential investor in the hospitality industry looking to tap into Bali as a travel destination. So the basic question is: should the investor invest in Bali? Why? And If yes, potentially where?

2. Data where you describe the data that will be used to solve the problem and the source of the data:

To solve this problem, I will be using the following data:

- a. List of Bali cities and provinces with their latitudes sand longitudes (a combination of data scrapped from the web and a data file used as asset)
 - b. Foursquare data to retrieve venues around Bali: hotels, restaurants, cafes..
 - c. Bali population and visitor data from the web and potentially also from a csv file
 - d. Comparison data from another location
3. Methodology section which represents the main component of the report where you discuss and describe any exploratory data analysis that you did, any inferential statistical testing that you performed, if any, and what machine learnings were used and why.
 4. Results section where you discuss the results.
 5. Discussion section where you discuss any observations you noted and any recommendations you can make based on the results.
 6. Conclusion section where you conclude the report.