

Capstone Project – The battle of the Neighborhoods

Diego Belotto

August 2020

1. Introduction

Asunción is the capital of Paraguay and at the same time is the city with the largest quantity of venues and diversity of activities of the country, so for a young Paraguayan who wants to be independent or an adventurous tourist it seems as the ideal place to rent a house or an apartment.

The described situation generates an interesting problem to solve for the audience mentioned before, because there is a vast quantity of factors that need to be weighted to make a renting decision. Let us start describing some of these factors:

- The neighborhood
- The quantity of venues in each neighborhood
- The type of activities based on the venues
- The renting prices
- The types of renting places
- How many rooms have the houses or apartment?

Based on these premises we are going to try to help our audience to get a better understanding of the city using basic data analytics techniques and give tools to them to determine what neighborhoods would be suitable to start hunting for houses and try to predict what would be fair price to negotiate based on location data and renting data.