

Choosing a Neighborhood in Miami

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Introduction

Is well known that Miami is an extremely popular U.S. city to live in, maybe because the tropical weather, the beautiful beaches, or the luxury nightlife in that area.

For those people who are moving into Miami because these “new popularity”, or for those who are already living there but want an upgrade in their life quality, choosing a neighborhood to live is not an easy task, there are many variables to consider into the equation.

The main idea of this project is to find the best neighborhoods to live in Miami, classified them into groups based on all the information we have, so people can choose correctly.

Data

The first data needed to complete this project was the list of all the neighborhoods of the city of Miami, including the coordinates of each one.

(https://en.wikipedia.org/wiki/List_of_neighborhoods_in_Miami)

The problem with these data set was that the coordinates where in a different format, there where lost data and not all the columns where useful. So before starting working with it I had to prepare it, creating to new columns for the latitude and the longitude, deleting the rows with lost data and choosing the columns that where needed.

In second place, all the venues from every neighborhood in Miami was extracted from Foursquare, where I was able to choose and search for six of the most desirable venues for a person when is choosing where to live:

1. Police stations (id: 4bf58dd8d48988d12e941735)
2. Fire stations (id: 4bf58dd8d48988d12c941735)
3. Schools (id: 4bf58dd8d48988d13d941735)
4. Malls (id: 4bf58dd8d48988d1fd941735)
5. Hospitals (id: 4bf58dd8d48988d196941735)
6. Universities (id: 4bf58dd8d48988d1ae941735)