

Exploring neighborhoods in Curitiba (Brazil)

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Introduction

Curitiba is a Brazilian city, capital of the state of Paraná. The city of Curitiba is divided into a total of 75 neighborhoods, grouped into ten administrative regions. The regional are species of subprefectures, treated here as boroughs, whose headquarters are represented by the units of the so-called Rua da Cidadania, and have the purpose of decentralizing public agencies and the provision of social, structural and leisure services within the city. This project aims to serve people looking for a place to open a business by answering where that business should be opened.

The Data

The data used in the project will be socioeconomic data obtained through the Curitiba neighborhood page on Wikipedia and data obtained through the Foursquare API. With this data it will be possible to group the neighborhoods into clusters to analyze which business would be most appropriate.

Description of the datasets

The dataset obtained from the Wikipedia page has data for each neighborhood and to which borough it belongs. The fields obtained will be:

- borough
- neighborhood
- men: number of men in the neighborhood
- women: number of women in the neighborhood
- total: number of people in the neighborhood
- households: number of private households.
- income_per_head: average monthly income per household head [BRL].
- area: [km²]