Finding the best neighborhood for a vegan restaurant in Curitiba, Brazil

The problem

- My client desires to open a vegan restaurant in Curitiba, Brazil, a large city with 75 neighborhoods
- The result should be the ONE neighborhood to do so
- He is going to invest a large amount of money opening the restaurant, so there's no place for mistakes

Available Data

- A list of Curitiba's neighborhoods with its geographic coordinates
- The Foursquare database, with information regarding the most popular venues in the city

Methodology

- Loading to a Jupyter Notebook a .csv file where there were all the neighborhoods in Curitiba, with their respective geographic coordinates.

- Foursquare API to find, in each neighborhood, all the available venues.

- Filter the neighborhood which contained, at the same time, the characteristics mentioned above.

Characteristics to be found in a target neighborhood

- **A neighborhood full of restaurants**
  - A neighborhood where people go out to eat
  - Non vegan people could be attracted
  - Low
- **A neighborhood with some vegan identity**
  - Higher probability of having vegan people walking around
  - A Farmers Market is a popular venue among people who have a plant based diet, so it became the second venue filter

The result

- Filtering neighborhoods and venues, I have found Santa Felicidade (Portuguese for "Holy Happiness"), a neighborhood full of restaurants and farmers markets.