

Searching where live in Lima

Diana Quintanilla

Marzo 2019

1. Introduction

1.1. Background

For the last few years I have been living in the city of Lima. Specifically in a remote district, for causes of independency I want find a apartment according to my preferences about the neighborhood. For example, one might want to look at all areas which has proximity to pubs, cafes, public transport etc.

1.2. Problem

¿Where in Lima city will I buy or alquile a apartment?

To figure this out I want to compare the various neighbourhoods in Lima to see how similar they are, and finally figure out if there is a neighbourhood with my preferences. I will do this based on the different venues and ammenities available in the direct vicinity of the various neighbourhoods.

1.3. Interest

People who are looking to find apartment in Lima, especially the people who are starting their apartment search and has certain preferences.

2. Data

I used two datasets for the above problem:

A. A list of neighbourhoods in Lima at

[<http://www.movistar.com.pe/documents/10182/24285/3G.pdf/4a97babb-9b45-4c39-bcc4-d4acf6155ca8>]. This includes

- Name of neighbourhood
- Name of district
- their geographic coordinates

B. The second dataset I used is Foursquare venues data with categories, this will be used in collaboration with the above dataset.

