Madrid Investment Options

Background

Madrid is the Capital of Spain, and the second largest city with 3.3 million inhabitants and the third largest GDP in the European Union.

The economic development brings great incomes for its inhabitants, also the gastronomi, historical places, museums and modern architecture made Madrid a great place to live and an amazing tourist destination.

The Problem

A group of investor is looking for a new opportunities to increase their business across Europe.

This report will explore house markets and the commercial offer in Madrid Neighborhoods, to help stakeholders with insights to decide which market could be a better option.

Comparing Net Income, House Price evolution and Commercial life in the Madrid Neighborhoods.

Credit: https://goldenvisasconsultancy.com/

Data Description

1. The first step is get the list of Madrid District and Neighborhood (from wikipedia link [link](#))
2. Create and merge a Dataframe using demography and economic data from [the data bank of Madrid City Hall](#)
3. Read the geojson from the [open data of Community of Madrid](#) to make all Choropleth maps using folium.
4. Use the Google Geocoding API to extract the latitude and longitude from each Neighborhood of Madrid.
5. Connect to Foursquare API using coordinates from the Madrid's Neighborhoods to fill a new DataFrame with all the commercial establishments to finally make the analysis.

	District Name	District Population		District Name	District Population
0	Centro	131928	11	Usera	134791
1	Arganzuela	151965	12	Puente de Vallecas	227595
2	Retiro	118516	13	Moratalaz	94197
3	Salamanca	143800	14	Ciudad Lineal	212529
4	Chamartín	143424	15	Hortaleza	180462
5	Tetuán	153789	16	Villaverde	142608
6	Chamberí	137401	17	Villa de Vallecas	104421
7	Fuencarral-El Pardo	238756	18	Vicálvaro	70051
8	Moncloa-Aravaca	116903	19	San Blas-Canillejas	154357
9	Latina	233808	20	Barajas	46876
10	Carabanchel	243998			