

Which European Capital for a GetAway?

2. Data

In order to perform the analysis required by GetAway.com, we will retrieve and analyze following data:

- A list of the European Capitals with their geographical coordinates, from which we will select some cities to perform the analysis. Such list is readily available and is source-independent (the European Capitals will not change name or position if we change the source of our information). Therefore we will import the data from an available csv file.
- Population data will be retrieved from “worldpopulationreview.com” and imported from there. The population data are from 2021, according to the source website.
- Cost of Life data will be retrieved from “myfunkytravel.com”, which is in turn based on data from Numbeo, a well-known database for cost of living data.
- Information regarding the number and type of venues for each city will be retrieved using the FourSquare API. For each Capital a fixed search radius of 5 Km will be used. The data will be retrieved as per 13/03/2021.

All data will be imported, processed, analyze and prepared for the final report using python.

The data will be processed so that at the end we obtain a database containing:

- City
- Area
- Categorical score for: Population, Cost of Living
- Numerical Score for: Food, Nightlife, Freetime, Shopping
- Numerical overall score

The data will focus on the following capitals (by geographical area):

- **South:** Rome, Madrid, Lisbon
- **Center-west:** London, Paris, Amsterdam, Brussels
- **Center-east:** Berlin, Prague, Vienna, Budapest
- **North:** Copenhagen, Stockholm, Oslo