Technical documentation for project:

Exploring the relationship between housing prices and location

Step 1: Collect Data

* Collect data on housing prices and location from a real estate website specific to EU, such as Rightmove, Idealista, Seloger, etc.
* The data should include information such as the price, location (city, zip code, or longitude and latitude), number of bedrooms and bathrooms, square footage, and any other relevant information.
* The data can be collected using the website's API or by scraping the data from the website using web scraping tools like BeautifulSoup or Scrapy.

Step 2: Data Cleaning and Preprocessing

* Review the data and clean it as necessary to ensure that it is in a format that can be used for analysis.
* This may include tasks such as removing any duplicates, correcting errors, and handling missing values.
* Format the data into a format that can be used for analysis.

Step 3: Data Exploration and Visualization

* Import the data into a data analysis tool such as pandas or numpy.
* Use data visualization tools such as matplotlib or seaborn to create plots and visualizations that explore the relationship between housing prices and location.
* Use geospatial library such as folium to plot the location of the houses on map.

Step 4: Data Analysis

* Analyze the data to identify any patterns or trends in the relationship between housing prices and location specific to EU.
* Use statistical methods to analyze the data and identify any correlations between housing prices and location.

Step 5: Conclusion

* Summarize the findings of the analysis and discuss any insights that were gained from the project.
* Suggest any further steps that could be taken to continue exploring the relationship between housing prices and location in EU.