**ANALYSIS OF RENT ACCOMODATION PRICES IN PORTO**

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**I Introduction**

**I. I Background**

Overlooking the Douro River, Porto is one of the most ancient European cities, stemming from the northern bank of the river during the Middle Ages. One of the most significant aspects of Porto and its historical center is its surrounding landscape, the steep river banks providing a dramatic setting for old town. Both the streets next to the river and the surrounding countryside have been classified as a World Heritage sites by UNESCO. Discovering Porto is full of surprises: beautifully cobbled streets and typical shops retain the feel of a bygone era whilst contemporary architecture jumps out in surprising places [1].

To organize outstanding trip every traveler needs an advice in booking of most comfortable and suitable apartments. It requires a lot of efforts to find ideal place in a big unfamiliar city like Porto.

Let me introduce an outstanding solution of the problem: a map with average price per apartments visualization and venues divided by clusters according to characteristics of each neighborhood.

**I. II Data description**

Airbnb statistics for 2013 – 2020 years [2]. The dataset contains price of 11 366 accommodation options provided by 2040 hosts with longitudes and latitudes of each place.

Forsquare API gives access to information about venues located within 500 meters around each position [3].

**III Methodology**

Research methods and data sources

**IV Results**

**V Discussion**

**VI Conclusion**

**VII References**

1. <http://portoswingjam.com/about-porto/>
2. <http://insideairbnb.com/get-the-data.html>
3. <https://foursquare.com/>