Project Proposal

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Project description

We have chosen the ***Inside Airbnb*** dataset [6], which includes rental data for Airbnb apartments from cities all over the world.

Motivation & Previous Work

We are currently in the middle of a housing crisis [1], with the prices currently sky-rocketed, specially in some areas. One of the believed reasons behind this, is the proliferation of Housing Marketplaces such as Airbnb [2]. This vacational housing market has been thoroughly studied in works such as [4] and [3], and with our project we plan to find distinct patterns over the data, such as studying the effect of the location/neighbourhood in the price, try to agglomerate lessors based on different features, predicting the price, etc.

About the dataset

The 4 cities with more accommodations in Spain according to *AirDNA*, a vacation rental data platform, are: Barcelona, Madrid, Málaga and Sevilla [5]. For this reason, datasets from these 4 cities have been chosen [6]. These datasets contain detailed information about the specifications of every apartment (host name, name of the accomodation, neighbourhood, price, etc), calendar availability, and reviews.

References

[1] OHCHR. (s. f.). UN expert urges action to end global affordable housing crisis. https://www.ohchr.org/en/press-releases/2023/10/un-expert-urges-action-end-global-affordable-housing-crisis.

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