

Capstone Two: Project Proposal

Project: Airbnb Los Angeles (Mayflower Village)

Objective:

Use Data Science tools for analyzing Airbnb data from LA, specifically around Mayflower Village.

Background:

I have been running an Airbnb house in Mayflower Village since September 2020. Airbnb apply AI to suggest a price per room. However, I am looking to apply also AI but with a different perspective, as a host, to increase the profitability of my specific house.

Impact/ benefit:

Understanding of the Airbnb Los Angeles market, specifically around Mayflower Village.

Modeling prices and features using Airbnb listings in Los Angeles, specifically around Mayflower Village.

Data description and sources:

<http://insideairbnb.com/los-angeles/>

- Calendar.csv: date, available, price, adjusted price, minimum nights, maximum nights
- Listings.csv: id, url, scrape id, last scraped, name, description, neighborhood overview...
- Neighbourhoods.csv: name of the neighbourhoods and group name like City of LA.
- Neighbourhoods.GEOJSON: georeferenced perimeters of each neighbourhoods.
- Reviews.csv: listing id, date, reviewer id, reviewer date, comments