

Project Title: The Housing Market: Bubble or Concerningly Ever-Growing Price?

Team Members: Osa Adler, Michael Diaz, Sergio Basurto, Ziyi Kang

Project Description/Outline:

The past fifteen years have presented a challenge for home-buyers as rising interest rates, two extreme economic recessions, quantitative easing, the rise of investment banks in single-family homes, and the overall demand for homes and apartments has created a compounding social, economic, and political issue. Our project aims to analyze trends from 2007, 2020, and 2022 to forecast an accurate portrayal and prediction for the future of the US housing market. Our analysis scopes between the large metropolitan areas of Los Angeles, and Las Vegas during the previously listed years to track trends in home prices. Our data will then be used to predict and cast analysis on the concerning trend of single-family homes.

Datasets to Be Used:

FRED <https://fred.stlouisfed.org/>

Zillow's API [Real Estate Data, Mortgage Data, API | Zillow](#)

The Last Call <https://rapidapi.com/blog/best-real-estate-apis/>

Rough Breakdown of Tasks:

-> Collect data for each of the three years for the two distinct regions:

-Los Angeles

-Las Vegas

-> Using matplotlib we will import found data for the assigned region from Zillow API

->Graphs showing differences between the years and between the regions

4 graphs showing individual region, 3 comparing all 4 regions according to the years,  
and 1 main graph with year, region, and price

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