

Proposal

Title: Housing Affordability in California

Names: Ananya Ratakonda, Jamie Hui, and Dung Hoang

Topic:

- Analyzing data regarding how affordable living in California is.
- Looking into factors like housing, transportation, food, and Healthcare prices.
- Overall we will be analyzing the data of how affordable California is compared to the rest of the United States, using factors listed above.
- This is very meaningful for those who are living in California or planning to move to California because it can be a deciding factor for whether people choose to live in California or a different state in the United States. People can see and understand how the affordability in California is compared to the rest of the United States and how the affordability differs depending on the county in California.

Questions:

- How does housing differ in California, depending on the different counties?
- How does the housing differ in California, depending on counties from different states?
- Which county is the most expensive in CA? In the United States?
- Average cost of housing, what counties have the lowest, and which counties have the highest?
- Does being part of a metropolitan area play a part in a higher average cost of living?
- Which areas are the most affordable?

Datasets:

USA: <https://www.kaggle.com/datasets/asaniczka/us-cost-of-living-dataset-3171-counties>

- This dataset is used for the average cost of living in different counties
- in the United States.
- Provides data for how many people there are in a family, the food cost, housing cost, transportation cost, and also Healthcare cost.
- Describes what state and which counties are in metropolitan areas.
- Will use this to analyze housing cost differences in different counties.
- Contains information regarding metropolitan areas

CA: <https://www.kaggle.com/datasets/fedesoriano/california-housing-prices-data-extra-features>

- This focuses on only California housing
- Has data regarding pricings, median income in that area/county, the median housing prices there, how far away they are from the coast, and also how close or far away they are from metropolitan areas.

Challenge?

- The project might be challenging when considering California's housing considering other standards of living factors that affect the cost of housing. Furthermore, the project may be challenging when compared against the overall country.
- Deciding what factors to analyze and consider
- Making sure we don't make it too big scale and making sure to only focus on housing, and also focusing most on California.