

# Household Value and Employment Industries by CA County

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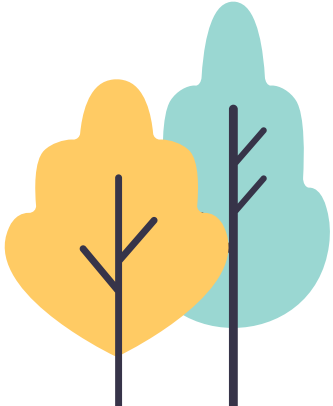
## Project Questions

How much has the median household value changed in each California county from 2010 to present day?

Which California counties have the highest and lowest median household values?

What are the most popular work industries in each California county?

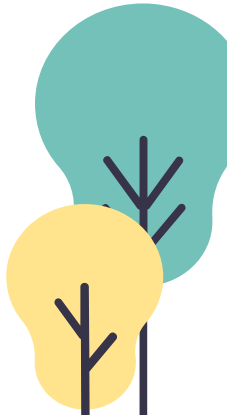
Do counties with higher median household costs have more people working in a specific industry than those who work in counties with lower median household costs?





## Data Sources

- ❖ [Housing Data - Zillow Research](#) — Median home value by county
- ❖ [Employment by Industry Data \(ca.gov\)](#) — Employment numbers per industry by county



## Housing Data

- ❖ Dataset reports the Zillow Home Value Index (ZHVI): A measure of the typical home value and market changes across a given region and housing type.
- ❖ Housing types included: single-family residences, condo, co-ops
- ❖ Original csv file includes 3074 entries across the timeframe of January 2004 to July 2024 across all 50 states
- ❖ Filter by:
  - State = California
  - Time frame = January 2010: July 2024



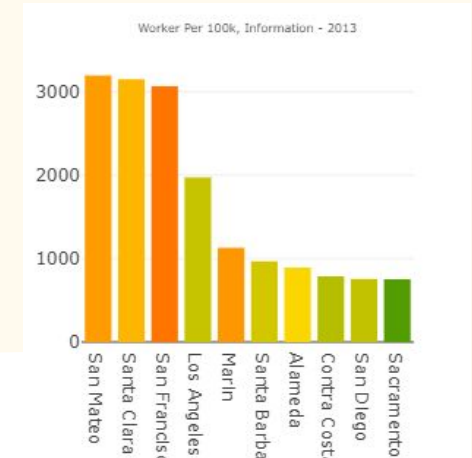
## Industry Data

- ❖ Datasets developed by Employment Development Department (EDD) of the State of California
- ❖ Based on Current Employment Stats (CES) survey
  - Takes summary of monthly employment, hours, & earnings from a sample of CA employers (these are estimates)
  - Data adjusted seasonally & final revisions made to statewide & local area data by EDD based on payroll tax reports submitted to the state
- ❖ Took 58 CSV files and cleaned, combined, transformed data
  - Narrowed down to main categories as defined by the North American Industry Classification System (NAICS)



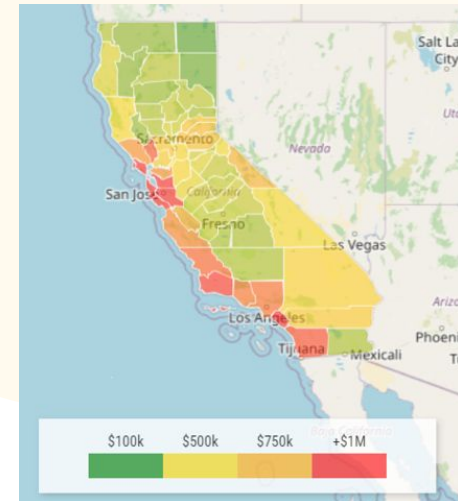
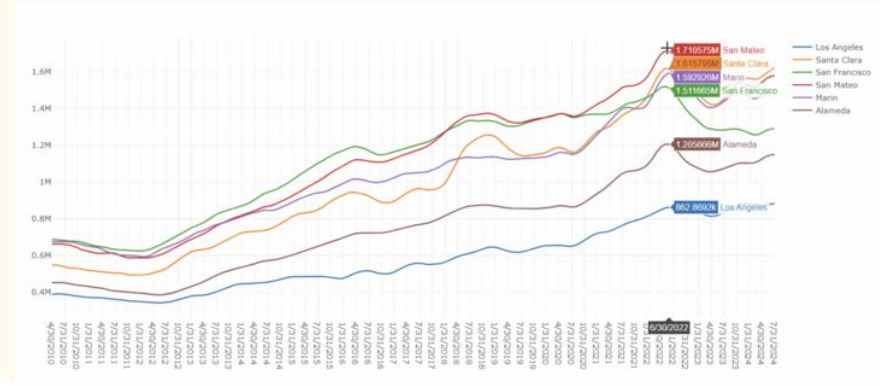
# Key Takeaways

- ❖ For example, in year 2013...
- ❖ **Inverse relationships** between median home value and:
  - mining/logging industries most popular in Kern County
- ❖ **Direct relationships** between median home value and:
  - Construction most popular in Placer/Orange
  - Information most popular in San Mateo/ Santa Clara/ SF
  - Financial and Business most popular in SF



## Key Takeaways

- ❖ **Across all the years in the dataset:**
- ❖ Most expensive counties to live in are: SF, Marin, San Mateo, Alameda, Santa Clara, Santa Cruz, LA
- ❖ More expensive counties saw increased rates of home prices compared to less expensive counties
- ❖ Increased interest rates in 2022 correlate to increase of median house price in many counties



## Limitations

- ❖ This dataset is subject to sampling & non-sampling errors
- ❖ Each county reported work industry data differently
  - Some counties (e.g. Los Angeles, San Diego) report multiple subcategories
  - Some counties (e.g. Sierra, Alpine) report industry data under “catch-all” categories (e.g. Goods Producing/Service Providing)
- ❖ “Tech” as an industry classification
- ❖ For data users - data sets were inconsistent & messy

