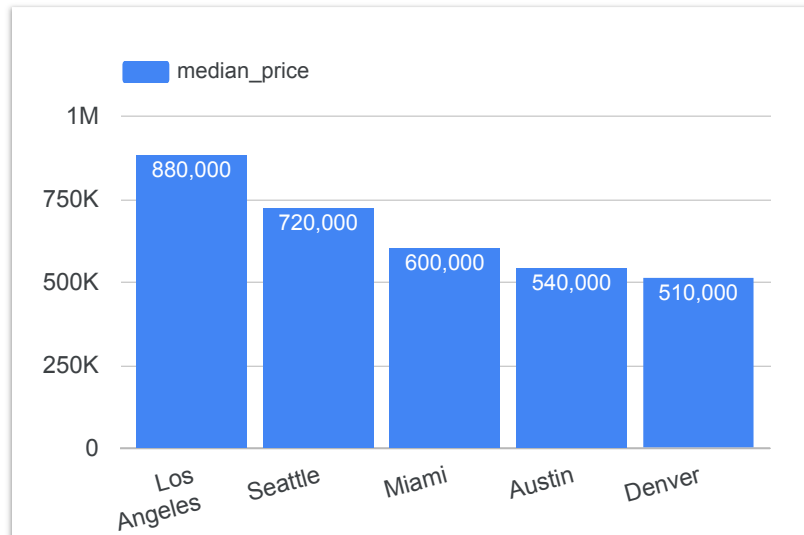


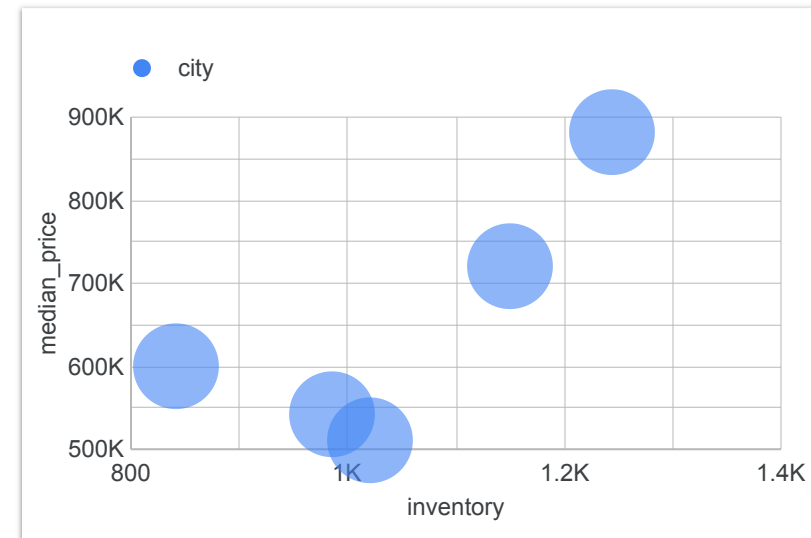
This dashboard visualizes housing data from 5 major U.S. cities using Zillow API data. It highlights differences in median prices, inventory, and cost per available unit to uncover patterns in supply-demand dynamics.

### Median Price by City



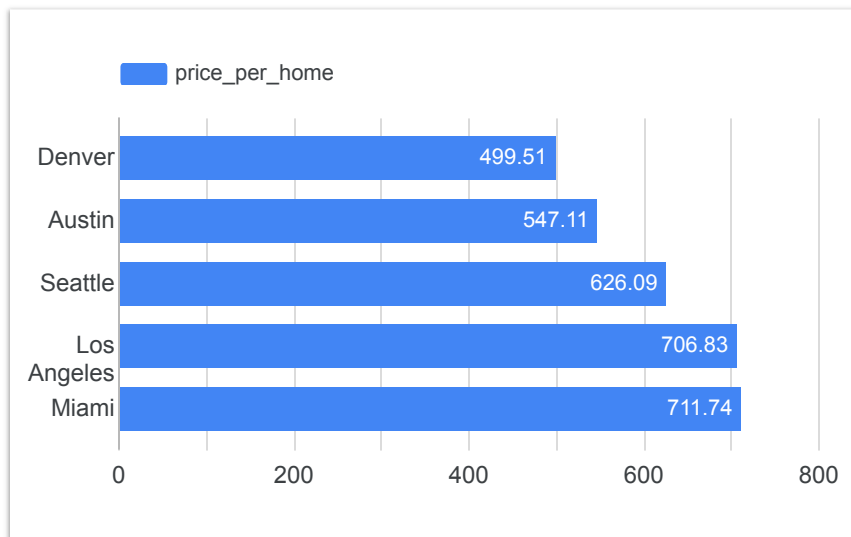
💡 Insight: Los Angeles has the highest median home price among the selected cities, reaching ₹880,000, while Denver sits at the lowest with ₹510,000. This highlights significant regional disparities in housing costs.

### City Inventory vs Median Price



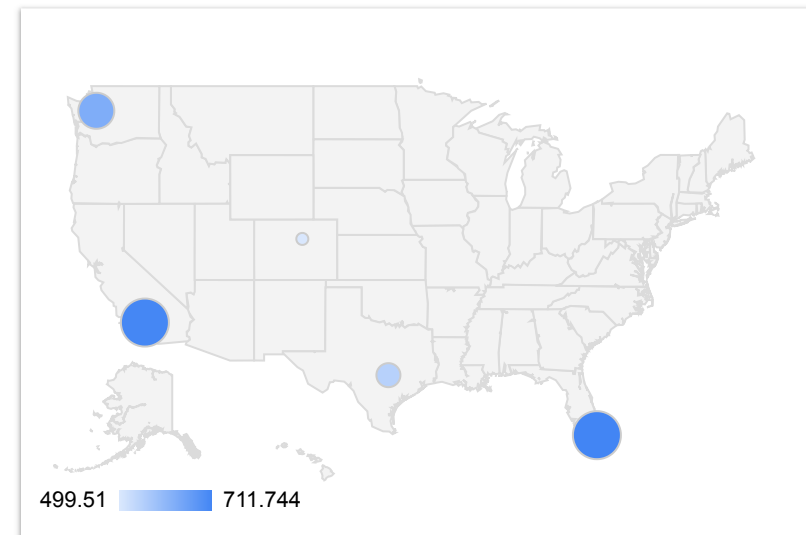
💡 Insight: Despite having the highest inventory, Los Angeles still maintains the highest price, suggesting that supply alone doesn't lower housing costs—demand in this market remains strong.

### Price per Home by City



💡 Insight: Miami leads in average price per available home, closely followed by Los Angeles. Denver, despite a decent inventory, shows the lowest price per home, indicating a more affordable housing market.

### Housing Cost Per Unit by City



💡 Insight: When visualized geographically, coastal cities like Miami and Los Angeles reflect higher housing costs per unit, reinforcing the premium pricing trend in high-demand urban coastal markets.

This dashboard was created using Looker Studio by connecting to my AWS RDS MySQL database. I imported Zillow housing data and used visual elements like bar charts, line graphs, and a bubble chart to highlight key patterns in median housing prices, inventory, and price-per-unit across five U.S. cities. The data was uploaded into MySQL from a Python ETL pipeline, and the visuals were filtered and styled for clarity, using average and sum aggregations where appropriate to compare trends in affordability and demand.