

This dashboard explores Airbnb data in relation to housing and rental prices over the last 6 years in San Francisco, California. Controversy exists surrounding the relationship between Airbnb properties and housing prices increasing. This dashboard seeks to inform the city of San Francisco of recent trends and compare them across property type, neighborhoods, and price ranges. Overall, it illustrates similar trends but does not prove that there is any strong correlation between the number of Airbnb properties and the price of housing. The metrics displayed here are Airbnb average prices per night, Airbnb total listings, home values, rental values, Airbnb listings per neighborhood, and year. The line and step charts are valuable to track trends over time, while the stacked bar chart provides comparison between both area and yearly listing numbers.

In order to regulate city ordinances, inform policy makers, support Airbnb hosts, and maintain good relationships between local businesses, we must reveal the story behind these statistics and prove that Airbnb is not directly responsible for real estate changes in the San Francisco Bay Area. There are a number of other factors to consider when housing prices increase or decrease, such as economic forecasts, Covid-19, and population, so I plan to gather more supplemental data to reflect these additional aspects. I chose the Airbnb logo color within my Airbnb graphs for familiarity, blue to represent Zillow homes and rentals data, and contrasting bright colors to differentiate yearly listings per neighborhood. I also used a gradient to make sure the highest prices per night stood out within the first table.

References:

Airbnb. (2019, February 24). An update about our community in San Francisco. Retrieved from <https://news.airbnb.com/an-update-about-our-community-in-san-francisco/>

Barron, K., Kung, E., & Proserpio, D. (2019, April 17). Research: when Airbnb listings in a city increase, so do rent prices. Harvard Business Review. Retrieved from <https://hbr.org/2019/04/research-when-airbnb-listings-in-a-city-increase-so-do-rent-prices>

Inside Airbnb. (2020, December 10). Get the data. Retrieved from <http://insideairbnb.com/get-the-data.html>

Zillow. (2021). Housing data. Retrieved from <https://www.zillow.com/research/data/>