

Assignment 2- Individual Tableau Dashboard

Northeastern University - College of Professional Studies

**ALY 6070 – Communication and Visualization for Data
Analytics**

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Story Report for Individual Tableau Dashboard

Title: Planning Your Vacation Stay in Austin: Insights from Property Analysis

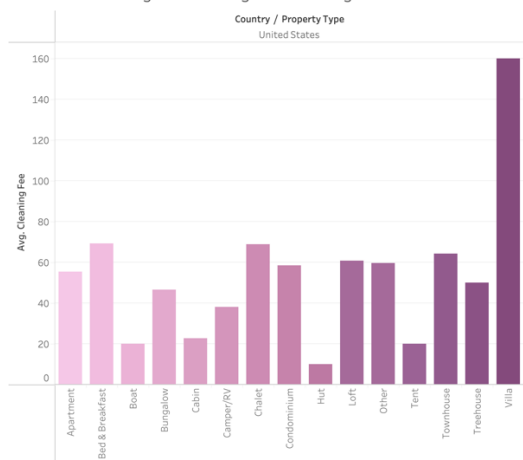
Introduction:

Planning a vacation involves several considerations, including accommodation options. In this report, we analyze data from Airbnb listings in Austin to help you make informed decisions about the number of bedrooms needed for your group.

1. Property Types and Prices:

We begin by examining the different property types available and their associated prices. The first chart illustrates the range of prices across various property types. Unsurprisingly, houses command the highest prices, with a maximum price of \$451, while tents offer the most economical option, with prices as low as \$14.

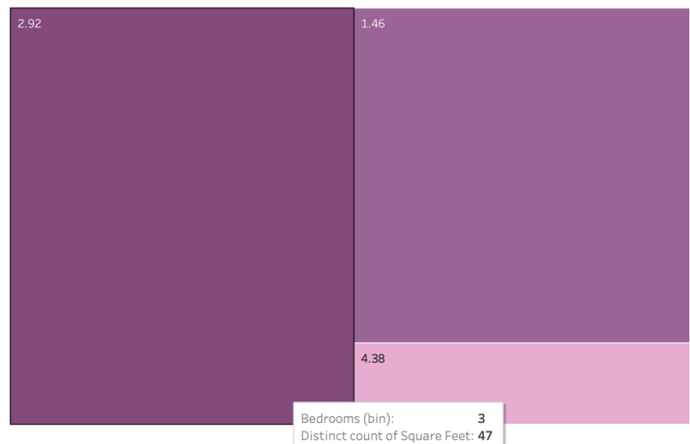
Villas have the heighest cleaning fee on average



2. Distribution of Bedrooms:

Next, we explore the distribution of bedrooms among the listed properties. The box plot divides the data into three distinct bins based on bedroom counts. It reveals that most properties have around 2 to 3 bedrooms, with a median count of 2.92. Some properties offer only 1 bedroom, while others cater to larger groups with 4 or more bedrooms.

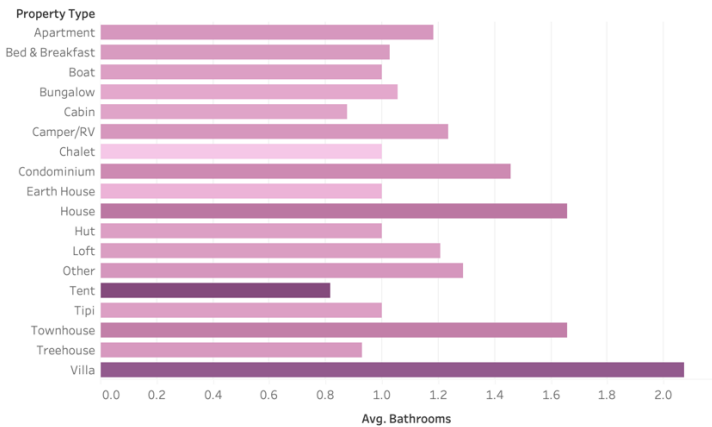
How many bedrooms do you need?



3. Bathroom-to-Bedroom Ratio:

A crucial aspect of vacation planning is ensuring a comfortable bathroom-to-bedroom ratio. The third chart highlights the best and worst ratios across different property types. Villas boast the highest ratio, providing ample bathrooms for each bedroom, while tents offer the lowest ratio, reflecting a more basic accommodation setup.

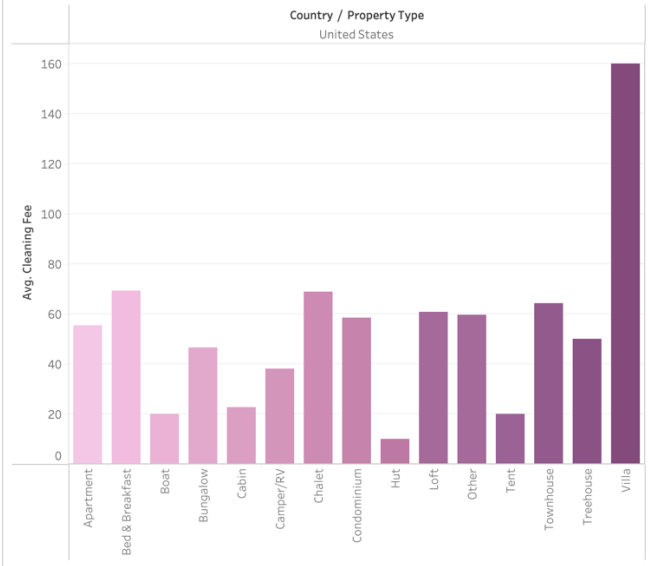
Villas have the best bedroom to bathroom ratio



4. Cleaning Fees by Property Type:

Cleaning fees are an additional expense to consider when booking accommodation. Chart 4 displays the range of cleaning fees charged by property type. Villas typically have the highest cleaning fees, possibly due to their larger size and amenities, while huts offer more budget-friendly options with lower cleaning fees.

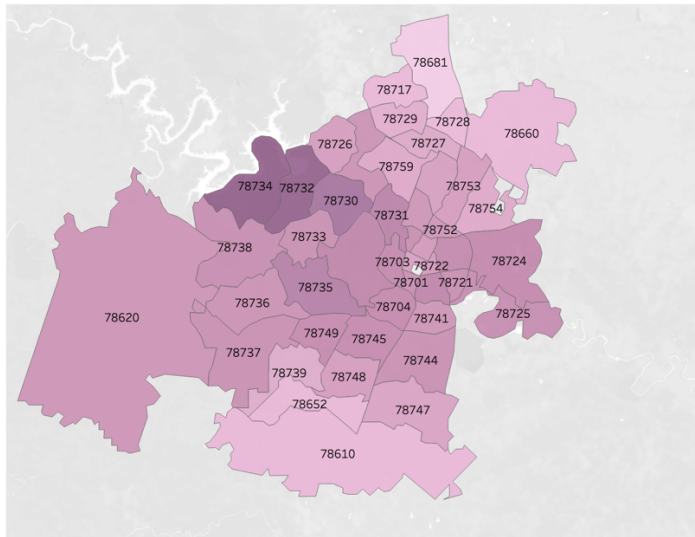
Villas have the heighest cleaning fee on average



5. Accommodation Capacity by Zip Code:

Lastly, we explore accommodation capacity by zip code to identify areas suitable for larger groups. Chart 5 highlights the zip code 78734 as having the highest accommodates count, indicating properties in this area can accommodate larger groups, with a maximum capacity of 7,250.

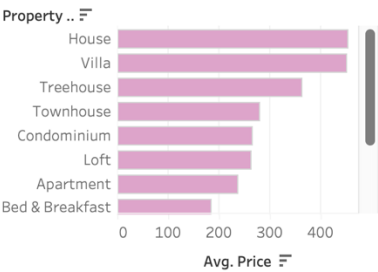
Zip code 78734 accomodates heighest number of people



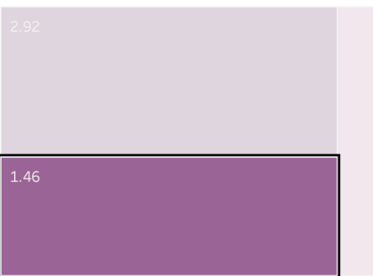
Final Dashboard:

Are you travelling with friends and worried about bedroom count?

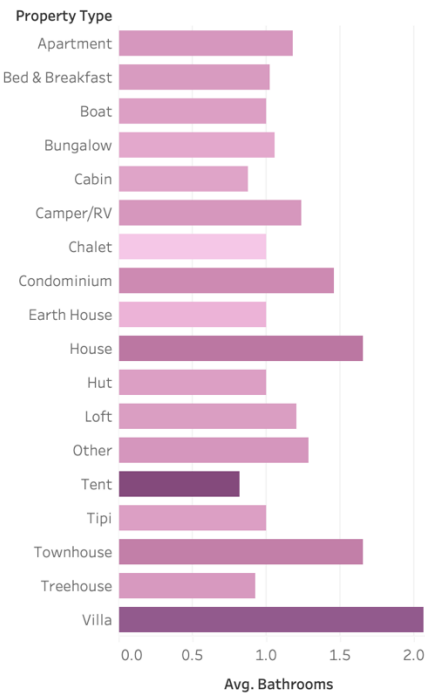
Property types listed for highest prices



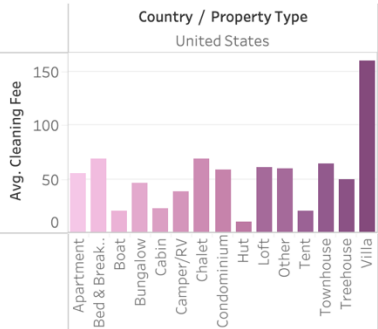
How many bedrooms do you need?



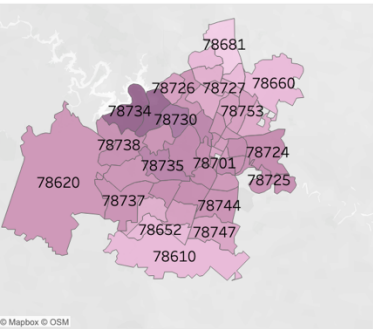
Villas have the best bedroom to bathroom ratio



Villas have the highest cleaning fee on average



Zip code 78734 accomodates heighest number of people



Conclusion:

By analyzing the data presented in these charts, you can make informed decisions about the number of bedrooms needed for your vacation in Austin. Consider factors such as property type, price, bedroom distribution, bathroom-to-bedroom ratio, cleaning fees, and accommodation capacity to ensure a comfortable and enjoyable stay for your group. Happy vacation planning!

Recommendation:

Based on the insights gained, we recommend considering properties in zip code 78734 for larger groups, while also paying attention to the bedroom count, bathroom-to-bedroom ratio, and cleaning fees to find the perfect accommodation that meets your group's needs and budget.