MODULE 4 ASSIGNMENT

SAYALI SUDHIR SHINDE

NUID: 002878974

NORTHEASTERN UNIVERSITY: COLLEGE OF PROFESSIONAL STUDIES

ALY6070: Communication and Visualization for Data Analytics

PROF. Mykhaylo Trubskyy

MARCH 30, 2024

Individual Tableau Dashboard Contribution Report

INTRODUCTION

The purpose of this individual essay is to provide an overview of my contribution to the final group project, focusing on the creation of the Tableau dashboard analyzing Airbnb listings in Austin. This report will detail the visualizations created, the analysis performed, and the insights derived from the data.

Individual Contribution:
My contribution to the final group project primarily revolved around designing and developing visualizations about available spaces by zipcode and working around available bedroom counts in the Tableau dashboard. I focused on creating visually appealing and informative charts that effectively communicated insights about vacation accommodation options in Austin.
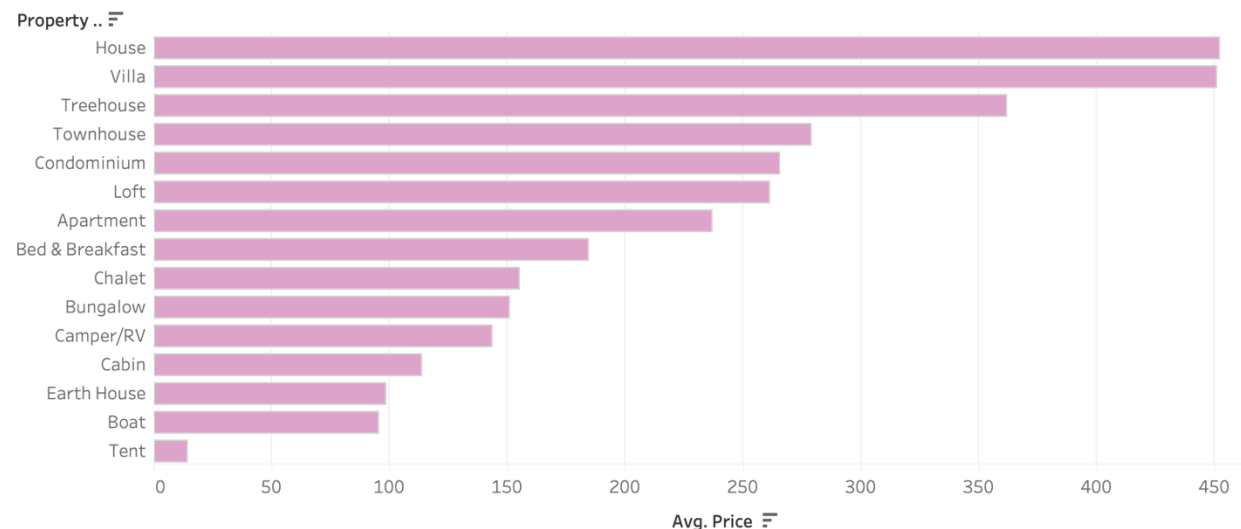
ANALYSIS

Through the analysis of these visualizations, several insights were derived. For instance, users could observe that houses typically command higher prices compared to tents, while villas offer a more favorable bathroom-to-bedroom ratio. Additionally, zip code 78734 emerged as an area with high accommodation capacity, making it suitable for larger groups.
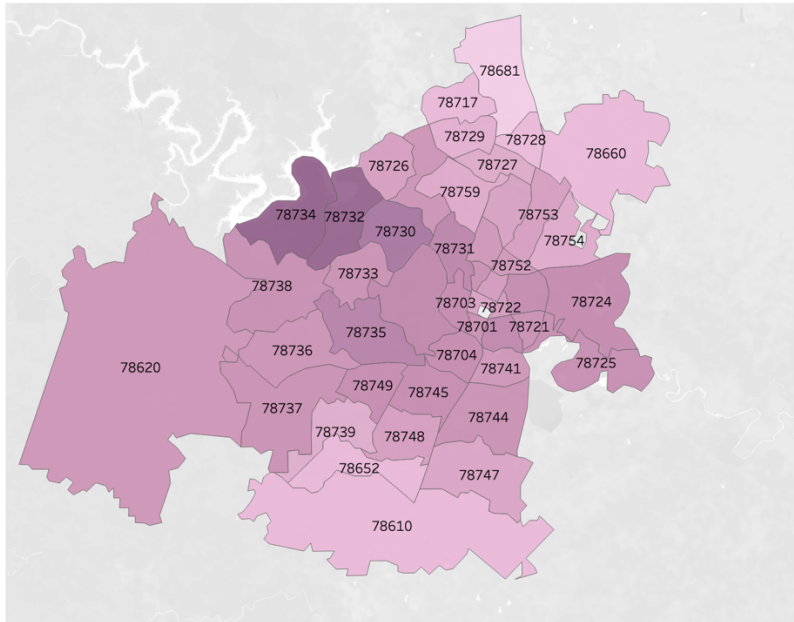
Visualizations Created:

1. Property Types and Prices: The first visualization depicted the range of prices across various property types, providing users with insights into the cost of different accommodation options.

Property types listed for heighest prices

2. Accommodation Capacity by Zip Code: Lastly, I created a chart to explore accommodation capacity by zip code, aiding users in identifying areas suitable for larger groups.

Zip code 78734 accomodates heightest number of people

CONCLUSION

In conclusion, my individual contribution to the Tableau dashboard involved designing and implementing visualizations that provided valuable insights into vacation accommodation options in Austin. By presenting the data in an accessible and informative manner, users can make informed decisions about their lodging choices.

Recommendation:
Based on the insights gleaned from the dashboard, I recommend users consider properties in zip code 78734 for larger groups, while also considering factors such as bedroom count, bathroom-to-bedroom ratio, and cleaning fees to find accommodation that aligns with their needs and budget.

Overall, my contribution aimed to enhance the dashboard's effectiveness in assisting users with vacation planning in Austin.

REFERENCES

1. Few, Stephen, and Per Nystrom. "Dashboard best practices: Maximizing the effectiveness of data visualization."

2. Krum, Randy. Cool Infographics: Effective Communication with Data Visualization and Design. John Wiley & Sons, 2013.

3. Tufte, Edward R. The Visual Display of Quantitative Information. Graphics Press, 2001.