

Vivek Bavda

DSI 7/12 Project 2

August 9, 2021

Fair Housing:

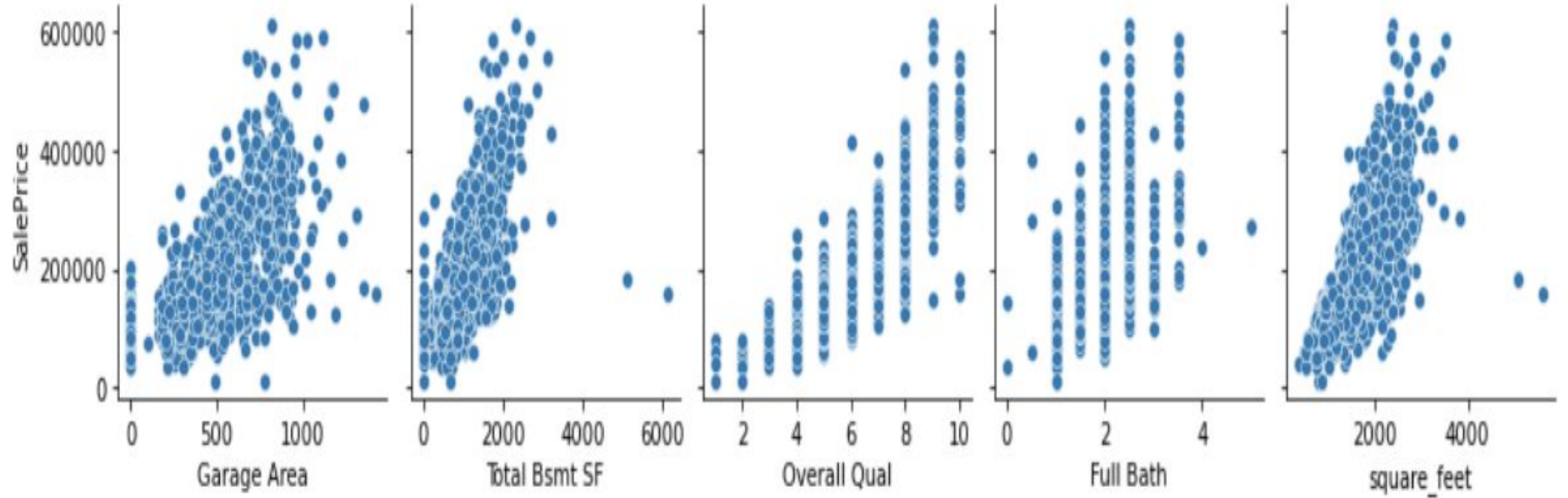
Predicting Home Sale Prices in Ames, IA

Introduction:

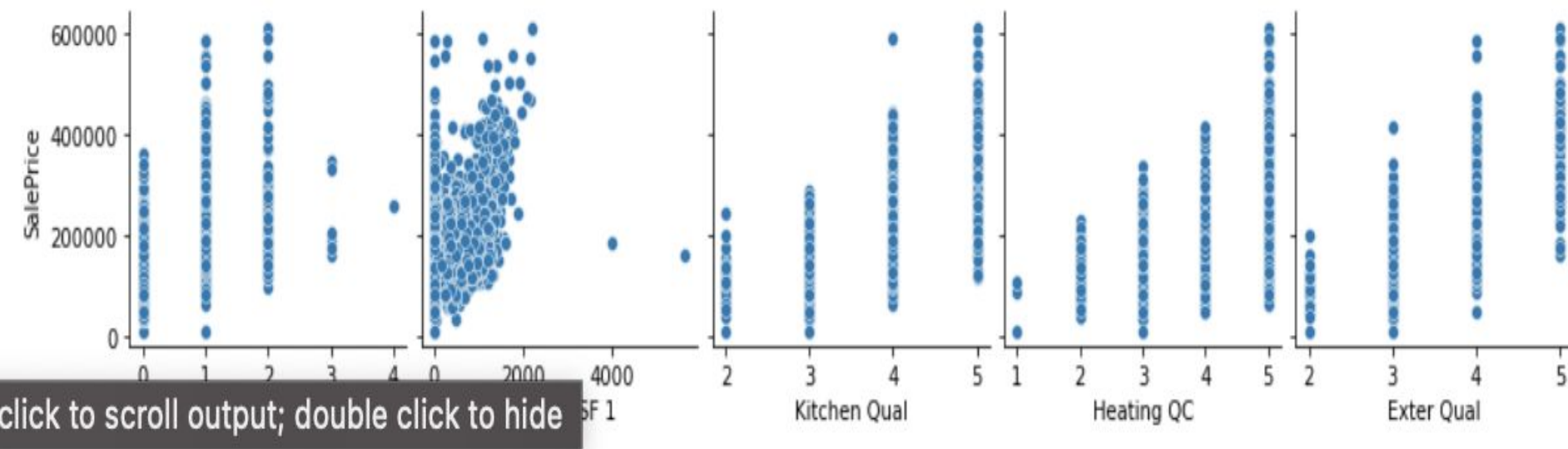
As you are aware, Ms. Mayor of Ames, Iowa, there have been concerns about housing discrimination in Ames.

Given the uproar and your desire to integrate the community, you've asked me to provide a model of housing prices to determine if there has been a premium required for people of color on homes bought in Ames, Iowa.

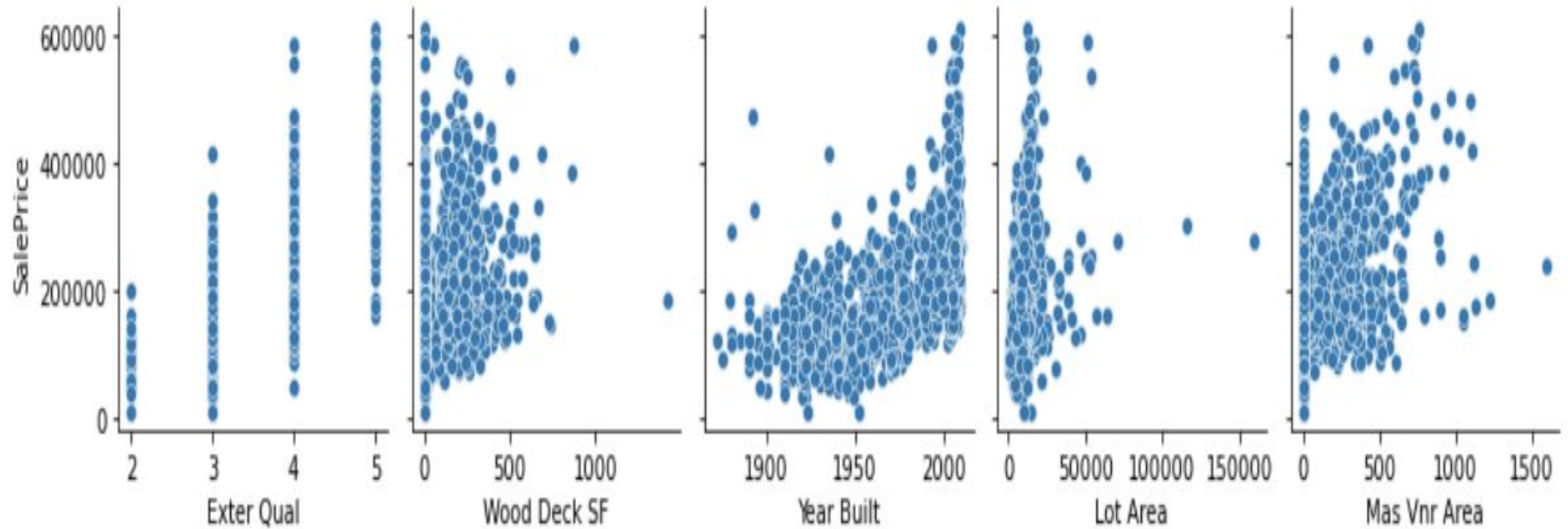
Data Visualizations-Linear Relationships



Linear Relationships



Linear Relationships



Correlation with Target



Conclusion

Ordinary Multivariate Linear Regression recommended

- *Simplicity

Usage Recommendation

- *The first recommendation would be to create an interactive version of the model on the city's website.
- *The second recommendation would be to send two group of testers and compare the price agreed upon with the model.