

KING COUNTY HOUSING

MULTIPLE LINEAR REGRESSION ANALYSIS

NURGUL KURBANALI KYZY
May 02, 2022



01 | BUSINESS UNDERSTANDING

02 | DATA UNDERSTANDING
PREPROCESSING

03 | MODEL BUILDING

04 | RESULTS

05 | RECOMMENDATIONS

CONTENTS

BUSINESS PROBLEM

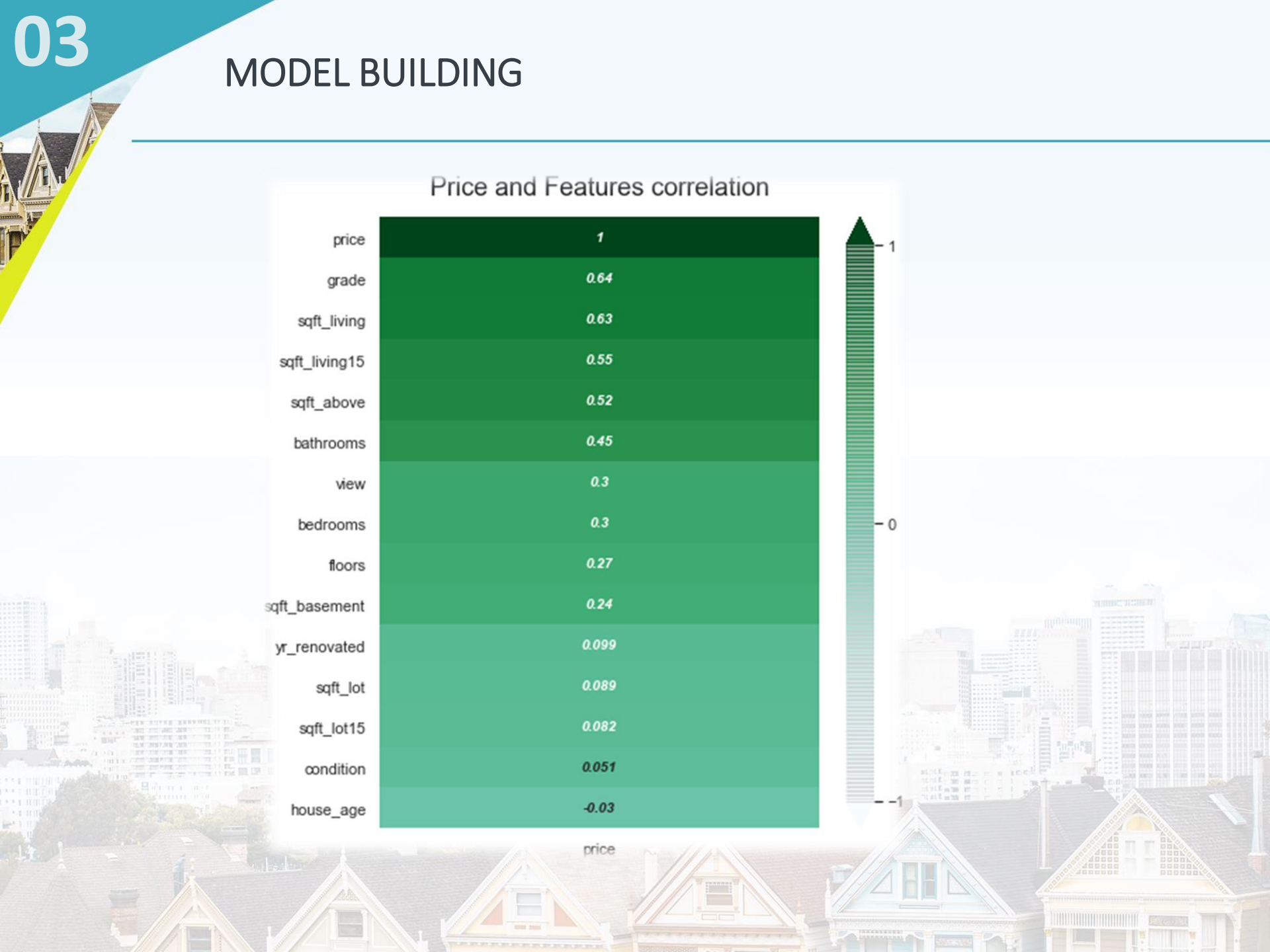
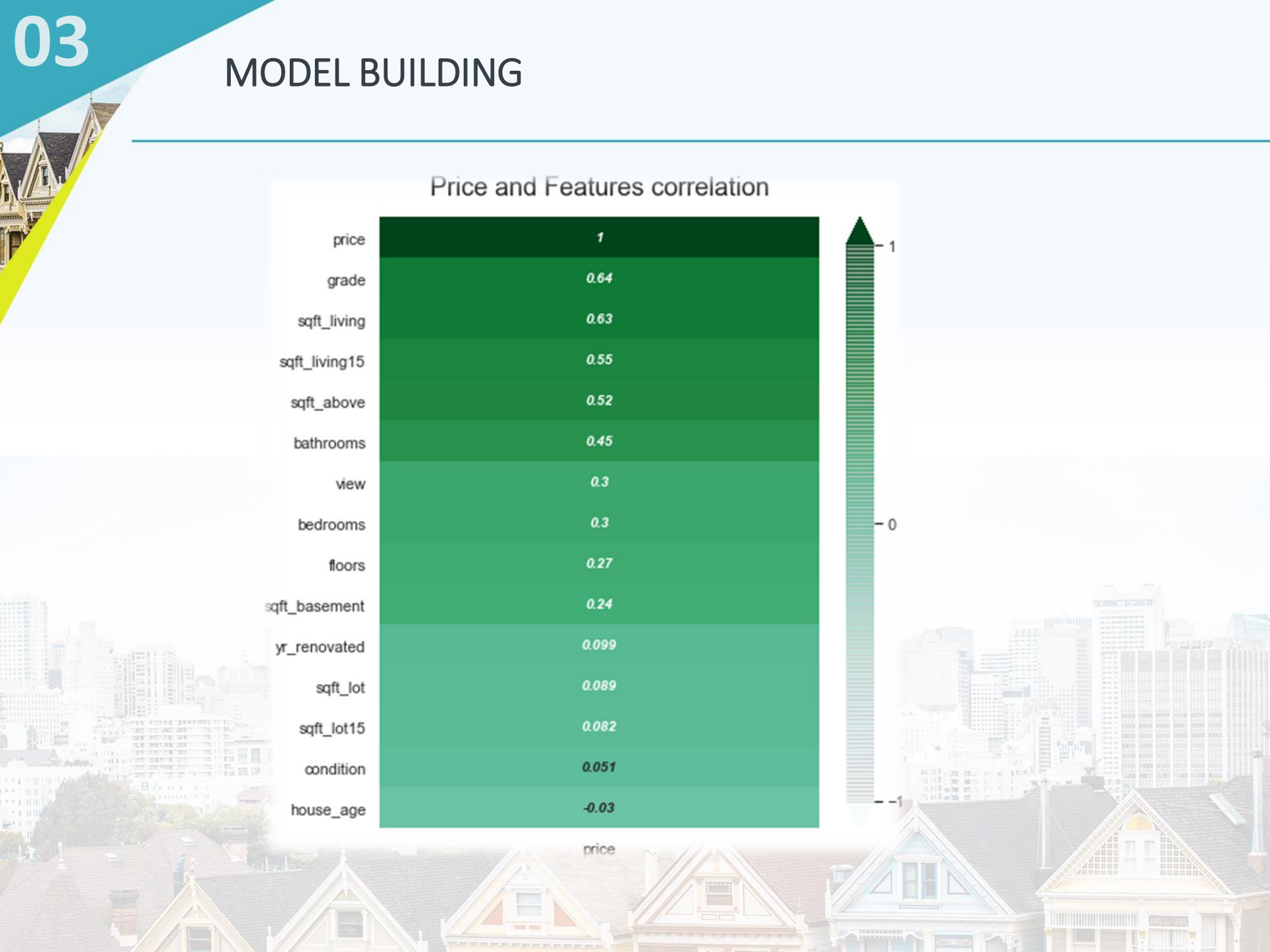
Stakeholders: Real Estate Agency

The business problem is to provide advice to homeowners in King County on which aspects of the house features they should invest in to increase the estimated values of their homes



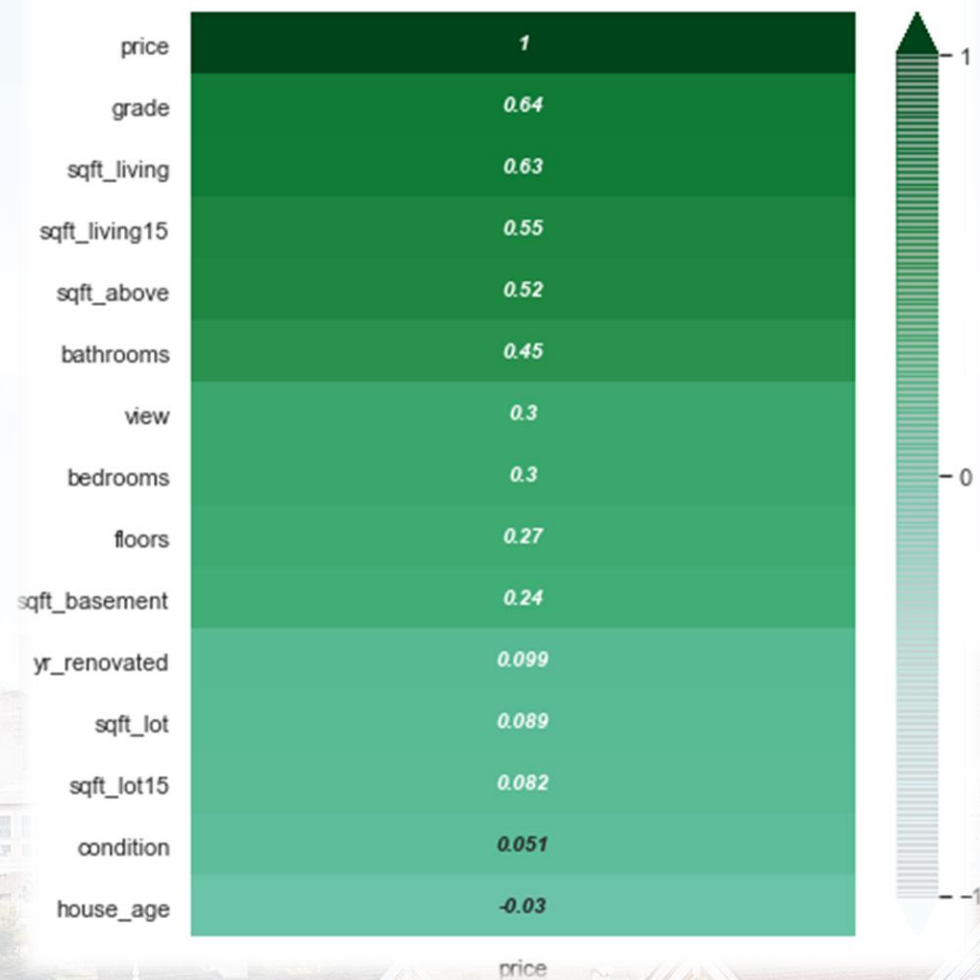
The methods included:

- Cleaning the dataset
- Removing nonimportant features
- Checking for the completeness of data (missing values)
- Removing Outliers (before: 21597/21, after: 17968/15)



MODEL BUILDING

Price and Features correlation





49% of the variance in the house price can be explained by the features.
There is “No Correlation” between feature variables and price in the model

RECOMMENDATIONS

1. Aim to get at least grade 8 by using better materials in both the exterior and interior finishes.
2. Homes with a partial view may be a good investment because often trimming a few trees or building addition will turn the view from partial to full. The best view you can ask for is *panoramic*
3. Increasing the square footage of the living area along with the square footage of the basement

THANK YOU

