

KC HOUSING PROJECT

WILLY ANGOLE



KC HOUSING PREDICTIONS

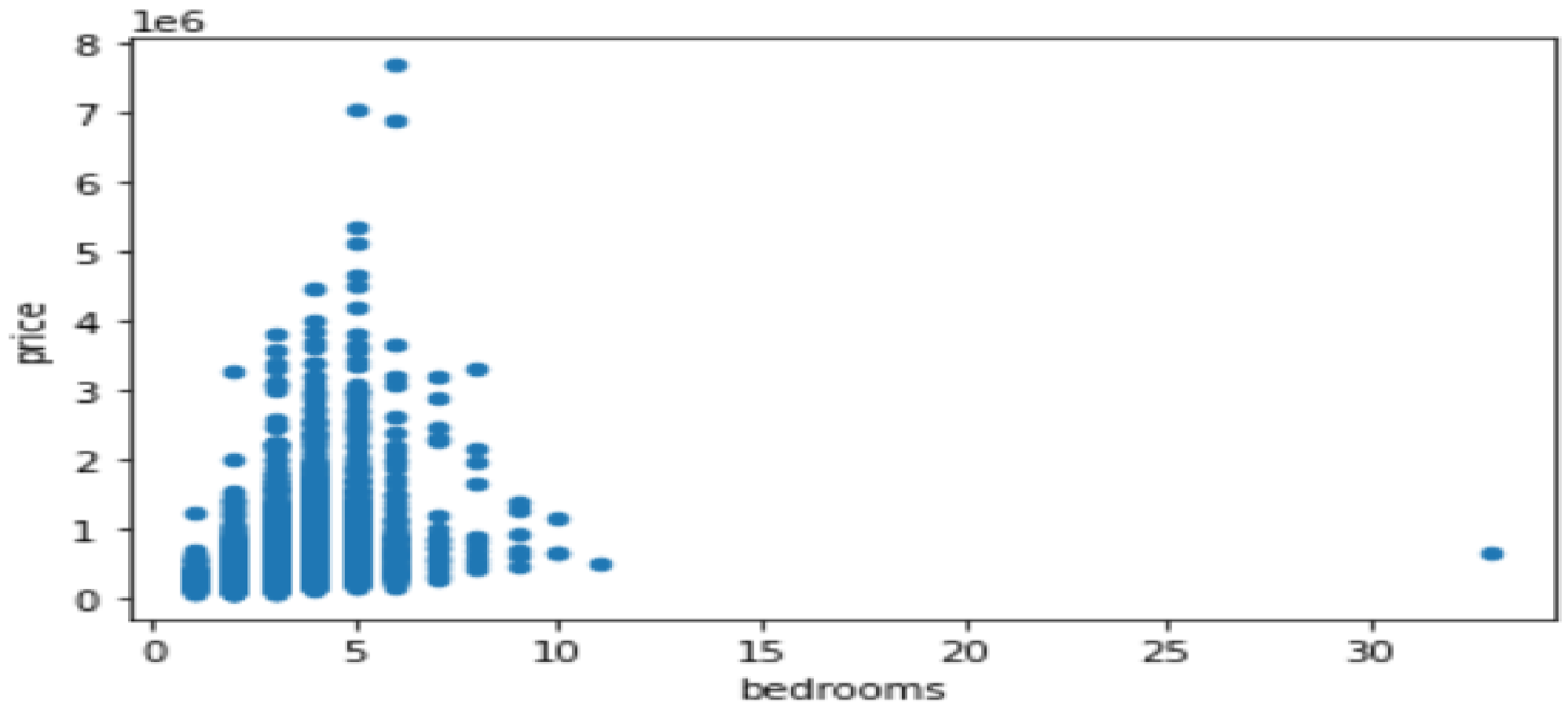
- Kc Housing wants to predicts prices of the houses based on the underlying factors and what requires to be improved in order for it to make good sales.

Data analysis was done on the provided data in order to create some insights

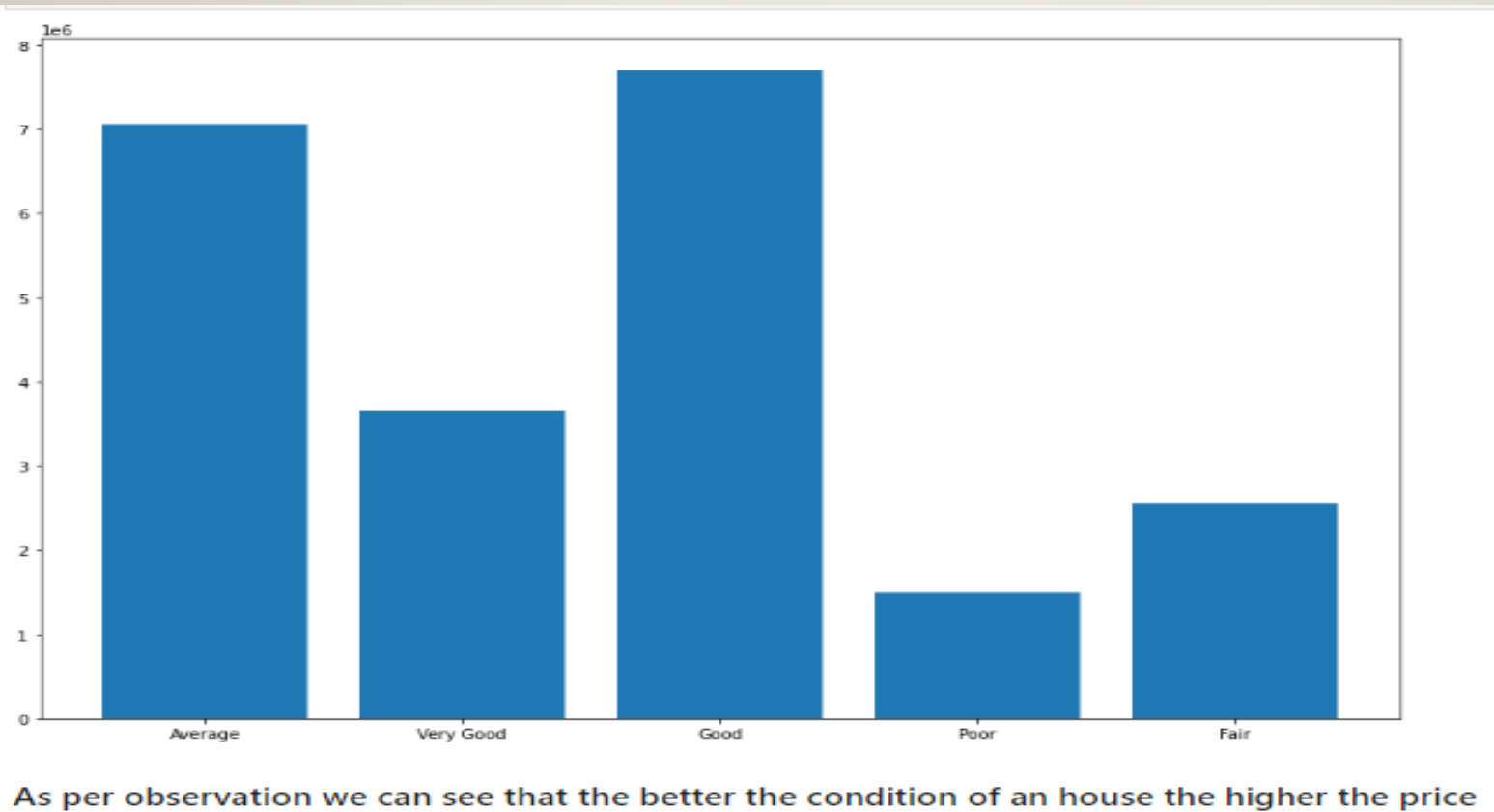
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- Business Understanding
 - There were parameters that affect the prices of the houses, this includes:
 - Number of bedrooms
 - Number of bathrooms
 - Waterfronts
 - Condition
 - Grade

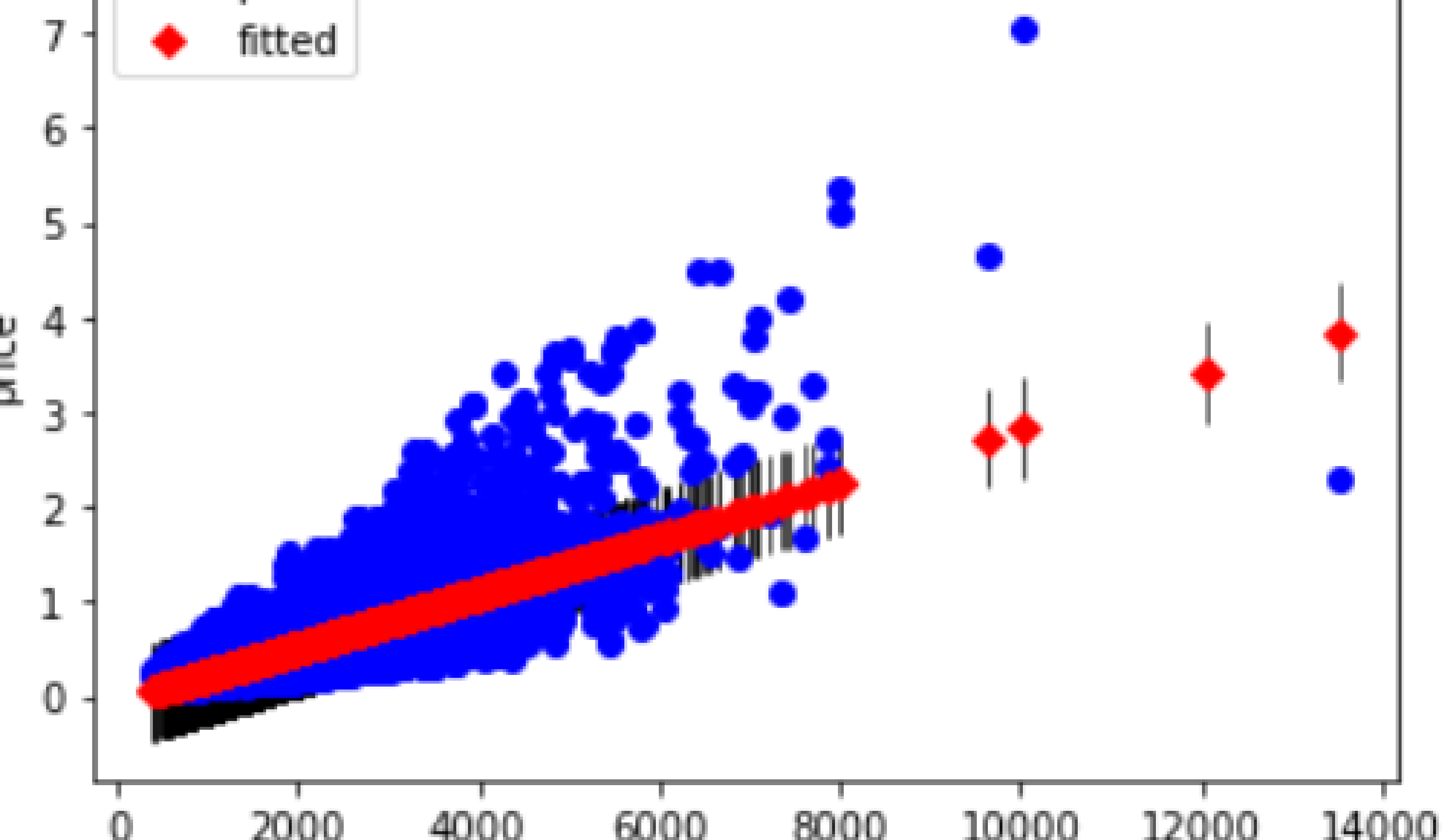
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- Square footage of living space in the home
 - Square footage of the lot
 - Year when house was built
 - ZIP Code used by the United States Postal Service, this is for location.

RELATION BETWEEN PRICE AND OTHER PARAMETERS



The relationship between bedrooms and price is not linear





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- The previous slide shows the distribution of the underlying prices of the square footage of living space in the home, The red line shows the predicted prices.
 - The predicted prices can shift upward and downward but in a little margin

FINDINGS

- improving a home's condition from Average to Very Good increases sale price by 42,180 dollars
- improving a home's grade from Better to High Quality increases sale price by 72,690 dollars
- addition of a basement to a home increases sale price by 40,450 dollars
- increasing the sqft_living of a home increases sale price by 63.75 dollars
- having a waterfront in a home increases sale price by 10,740 dollars

RECOMMENDATIONS

- Home owners should renovate their homes by increasing the sqft_living since an increase per inch raises the value by 63.75 dollars. Lets assume theres a 1000 inch increase, theres an estimated increase in value by 63,750 dollars.
- Home owners should also increase the number of bedrms, have a basement, have a waterfront, improve condition to very good, add additional floors and improve the grade to high quality in order to maximise value of their homes before listing.

- **THANK YOU**