



# Ames Iowa Housing Analysis

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# Problem Statement

For prospective home buyers, the reasons why a house costs as much as it does may be opaque as it depends on many factors.

We wish to determine the attributes that contribute to the Sale price of houses in Ames, Iowa



# A Little House Keeping

Imputed 0 and “None” for columns where the lack of an entry designated a lack of that feature

Others were filled with either their median or mode, or a specific value depending on that specific case

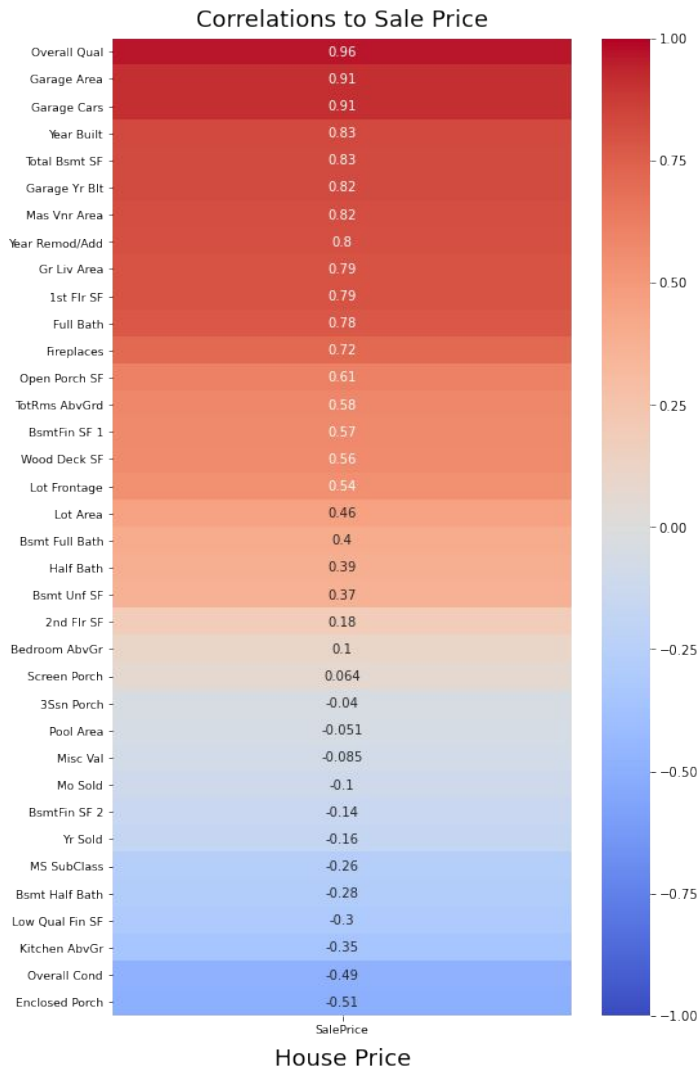
For more, see the technical report which includes predictive modeling



Overall Quality highest correlated

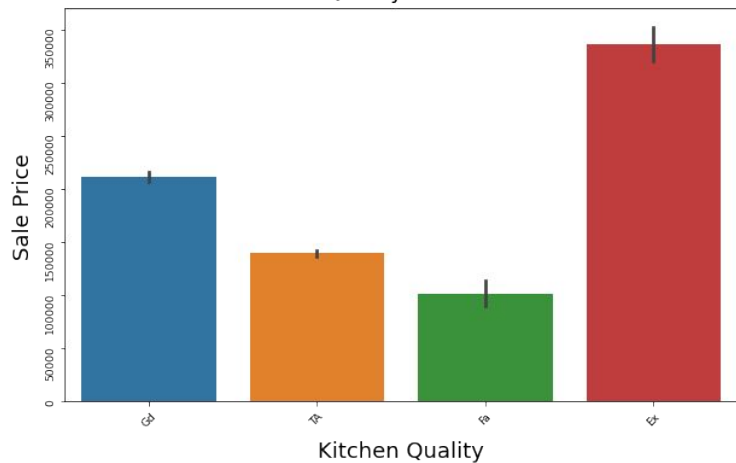
Home size and Year Built are strong indicators for price

Condition is quite interesting

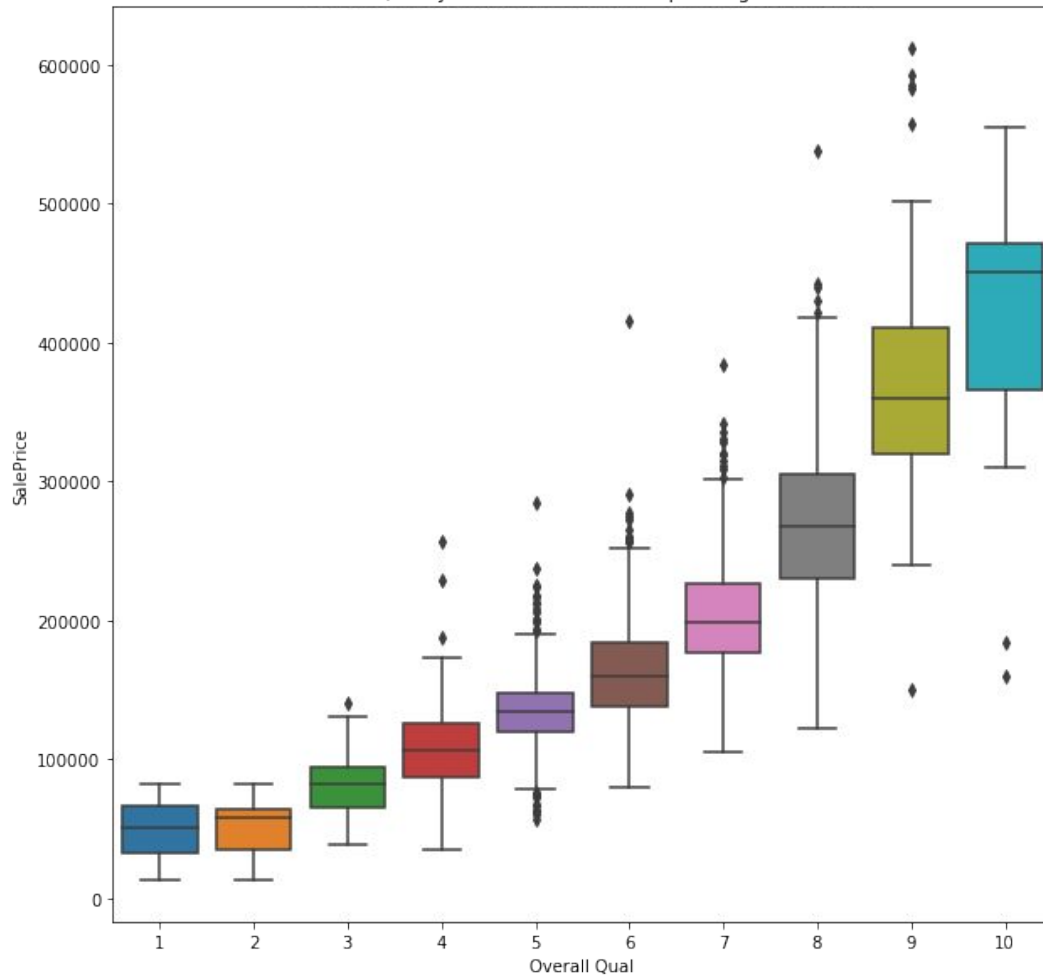


The better the quality, the higher the price

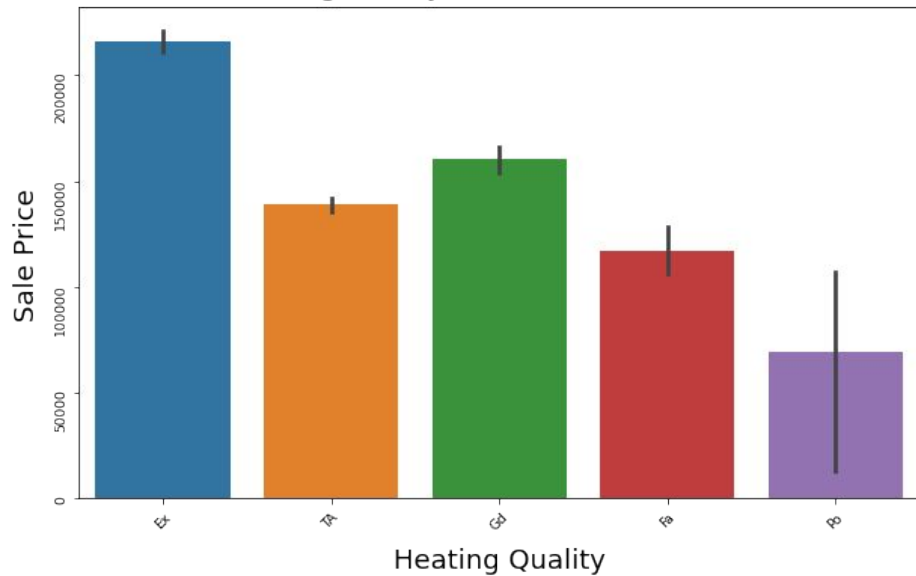
Kitchen Quality and Sale Price



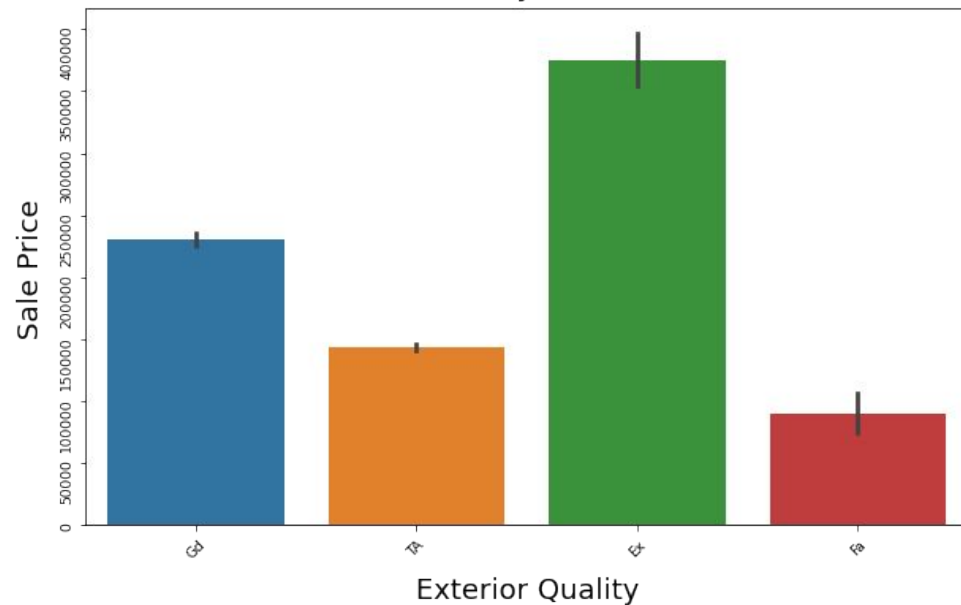
Overall Quality of Homes and Corresponding Sale Prices



Heating Quality of Home and Sale Price



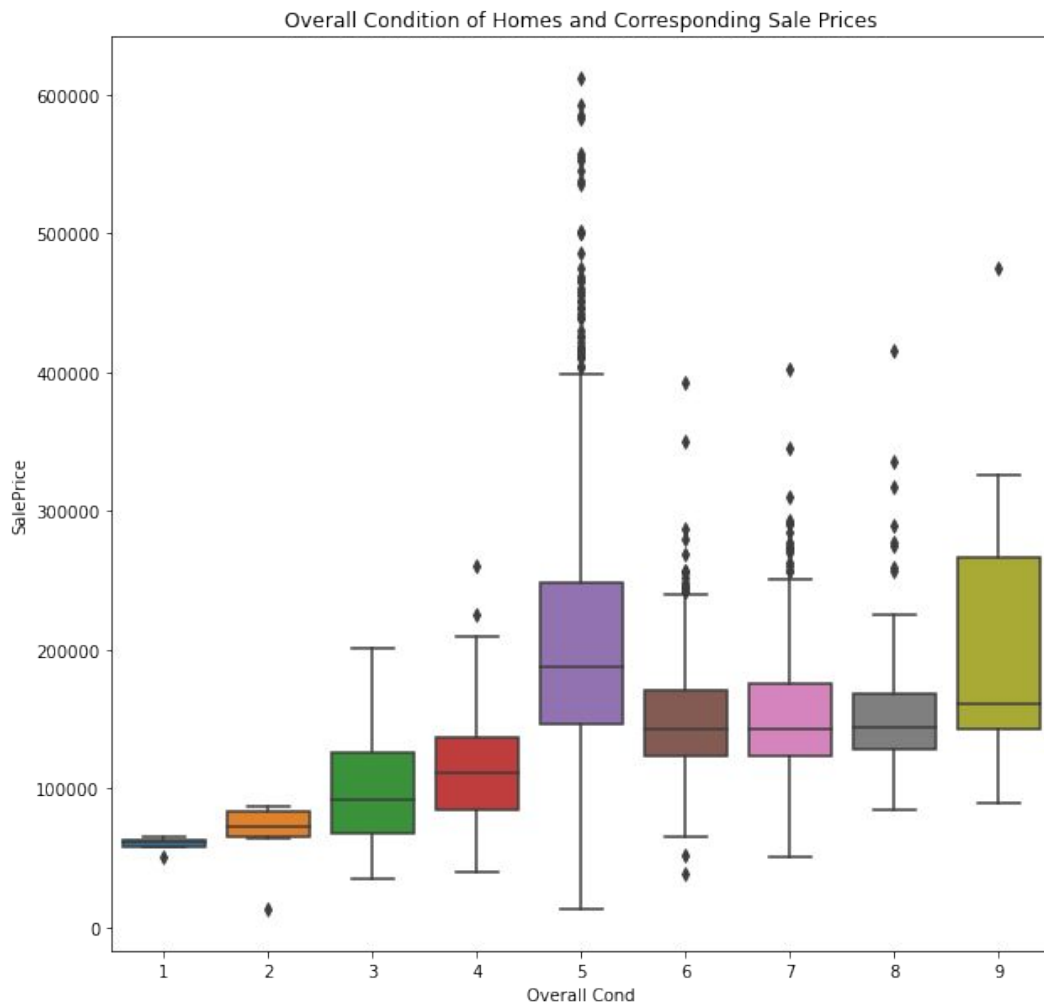
Exterior Quality and Sale Price



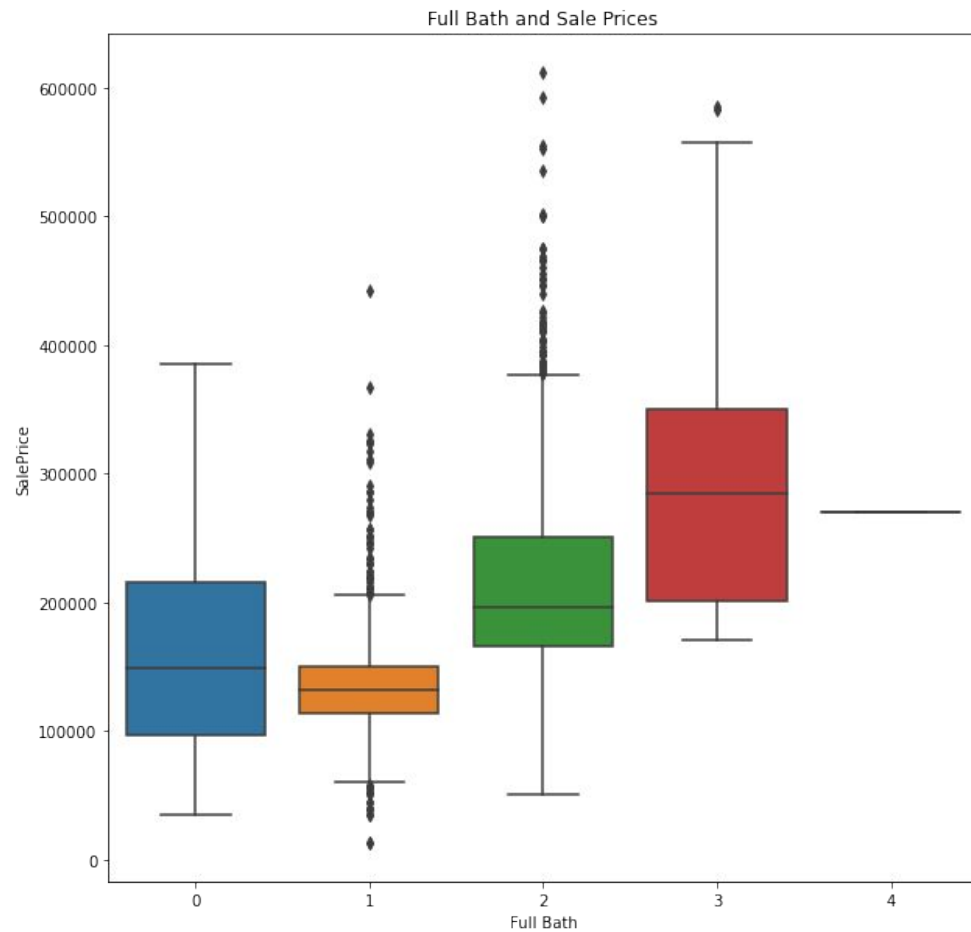
5 is Average

Most homes are average, nothing  
wrong with it

Contact the Ames Assessors Office to  
find out specific metrics



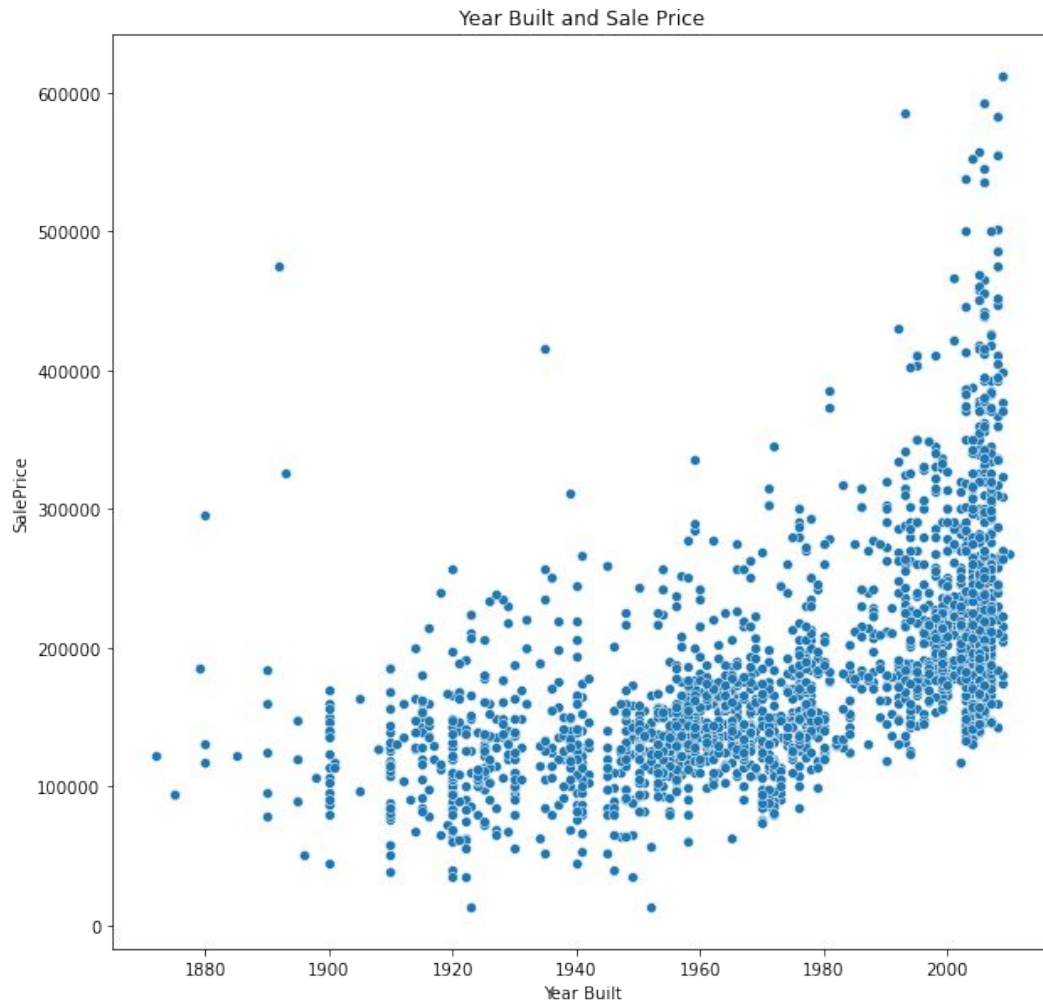
More baths, more square footage,  
more money



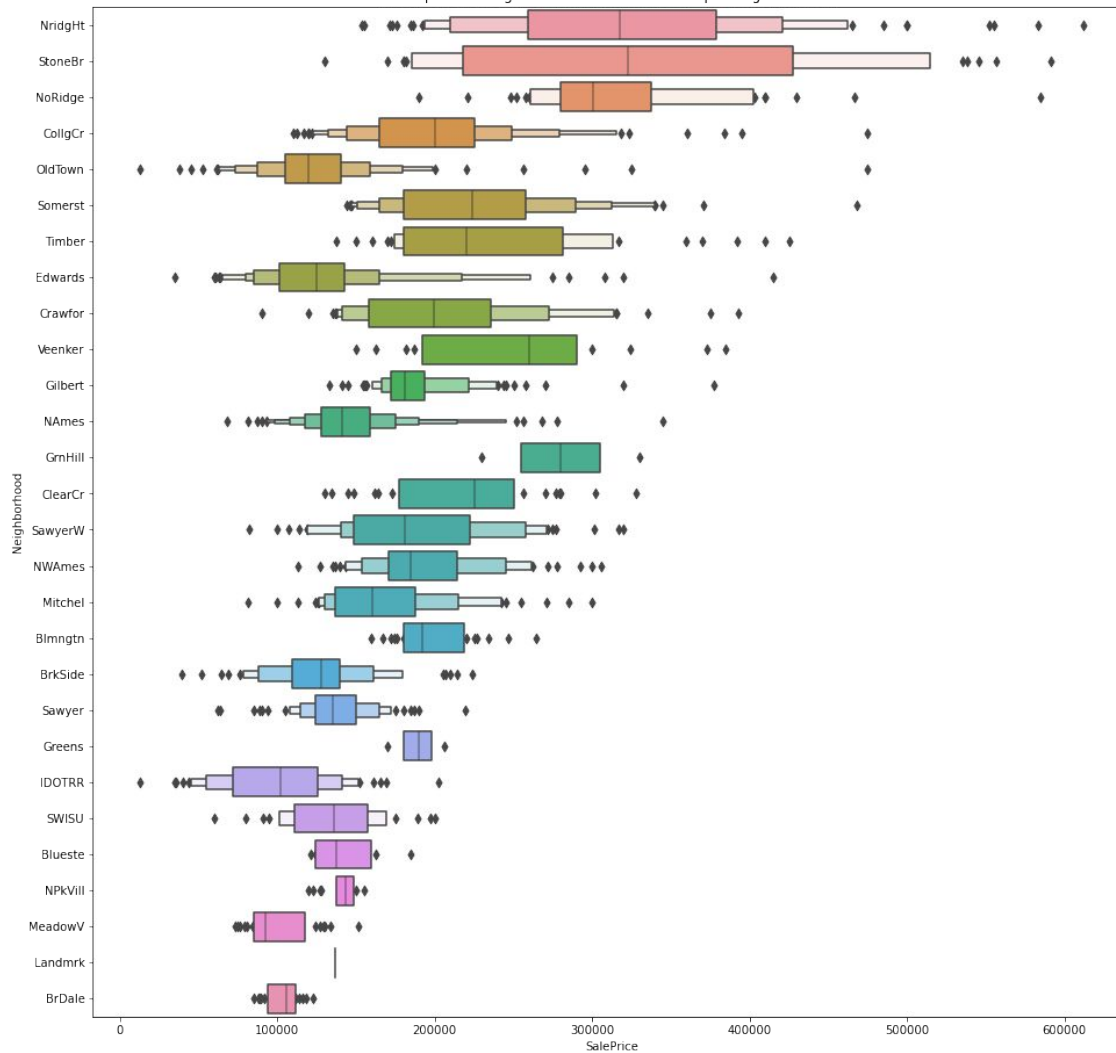


Slight trend upwards with large  
amount of modern homes

High prices could indicate factors  
outside of provided data



Boxenplots of Neighborhoods and their Corresponding Sale Prices



# Key Takeaways

Higher home sale prices are common sense:

The Larger the property size, the larger the price

This includes on average, larger garages, more bathrooms, etc.

Better quality in all aspects of the house raises its value

More expensive neighborhoods command higher values

Newer homes are going to be more expensive, but this could also include factors not in the scope of this study

