

Course Project Phase 1

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Home Sales - Ames, Iowa

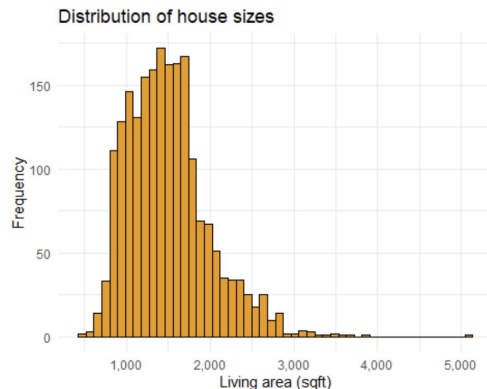
In this data set, we have data for 2053 house sales spanning around 81 variables.

Most of these houses are under 2000 square feet

Mean square footage - 1499 sqft

Median square footage - 1447 sqft

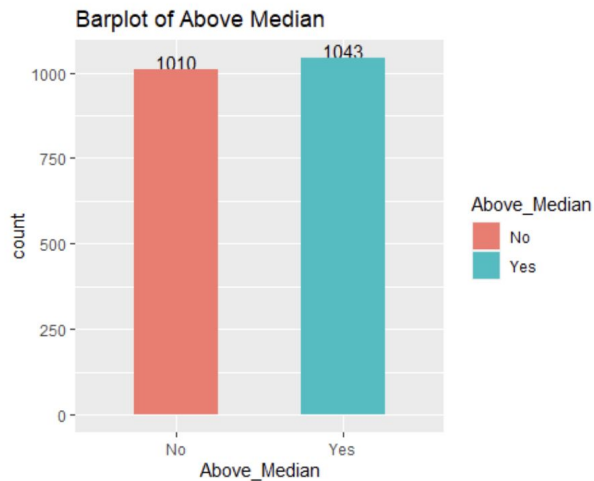
A distribution graph showcasing this information is below





Key Things to note

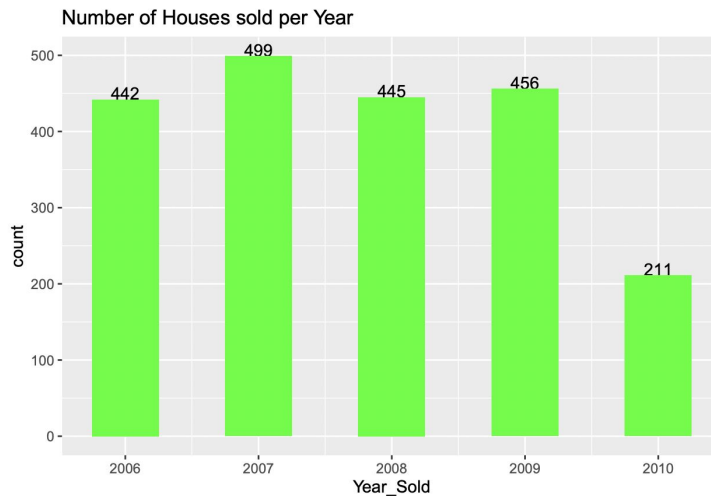
There were 1043 houses sold above median price and 1010 sold below median price.





Key Things to note

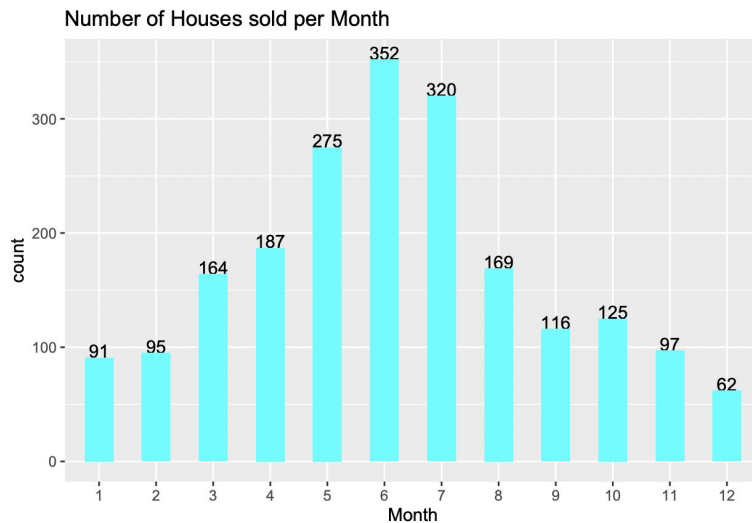
All of the years have fairly similar number of houses sold, except for 2007 and 2010. In 2010, the number of houses dropped to less than half of 2009 - we can attribute this to a drop in the housing market in 2010.





Key Things to note

May, June, and July (summer months) have higher house sales than other months, specifically November through February (winter months).

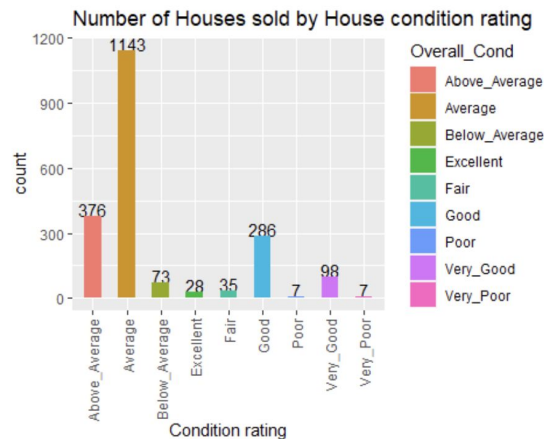
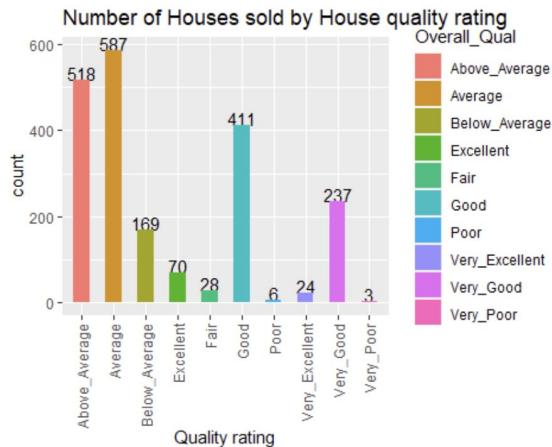




Important Variable

An important variable is house condition rating. A majority of the houses sold had an average house rating, and houses sold with a poor or very poor rating are very rare.

Another important variable is House quality rating. Most of the houses sold have a good or average quality rating. There were very few houses that were sold with a poor or very poor quality rating.





Important Variable

I think another interesting variable is year of construction of the house. As you would expect, the older the house was constructed, the more homes were sold.

Location is also very interesting and important, as North Ames, College Creek, and Old Town are the most popular neighborhoods.

