
Home prices: Location, Location, Location..?

Not entirely.

An explanation by Ben Roberts
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The big question

Can we use data to predict how much a home will sell for in Ames, Iowa? Which features can we use to make that prediction? Is there a relationship between our features and the final sale price?





The data

We looked at:

- **Previous home sales**
Between 2006 and 2010
- **Hyperlocal**
Ames, Iowa only
- **Home Features**
80 different features such as square footage, bedrooms, baths,

What are you looking for? **and why?**



Correlation

A mutual relationship or connection between two or more things.

Features

Which things?

Predictions

What can they tell us? And how accurately can they do that?.

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YES! We can do this.

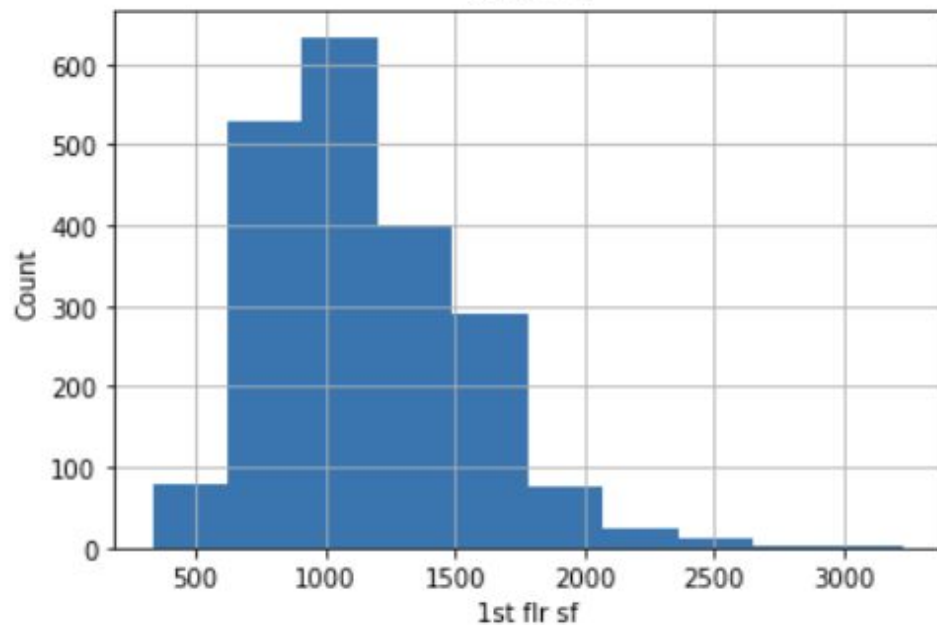
There is **absolutely a connection** between the final sale price of our homes and the home features that we were given.

We **can describe those relationships...**

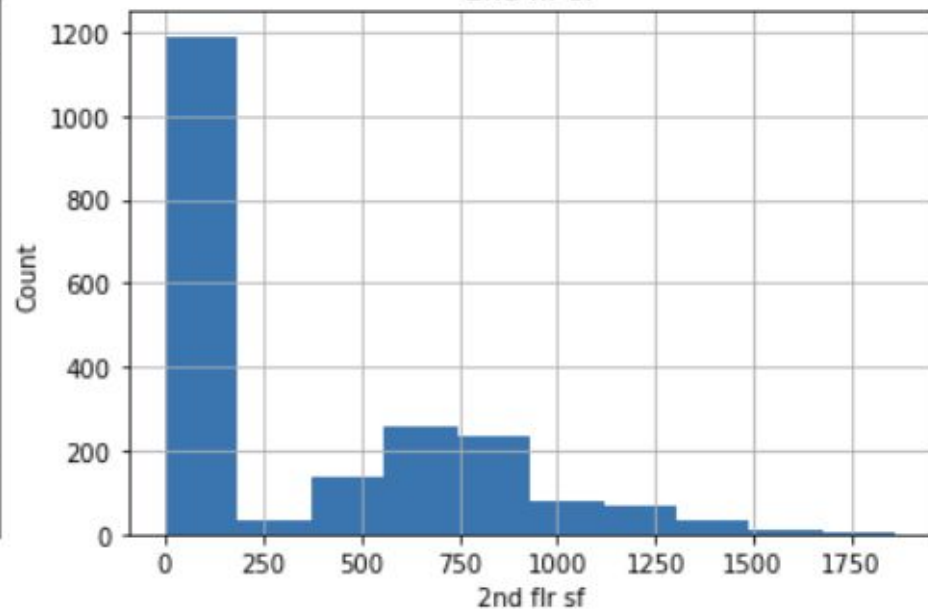
...and we did build an **accurate model** predicting sale prices in Ames, Iowa based on those relationships.

Home features square footage by floor

1st flr sf

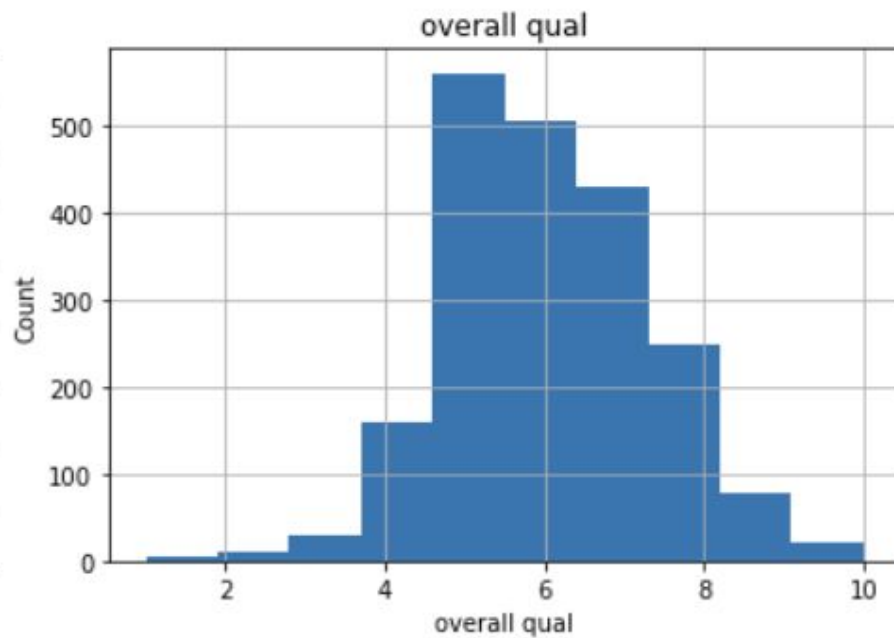
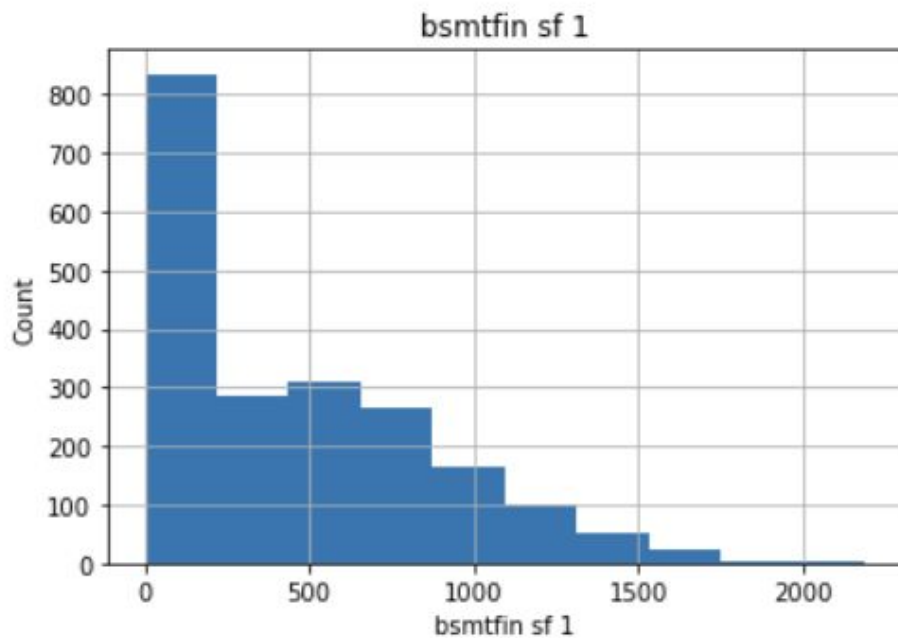


2nd flr sf



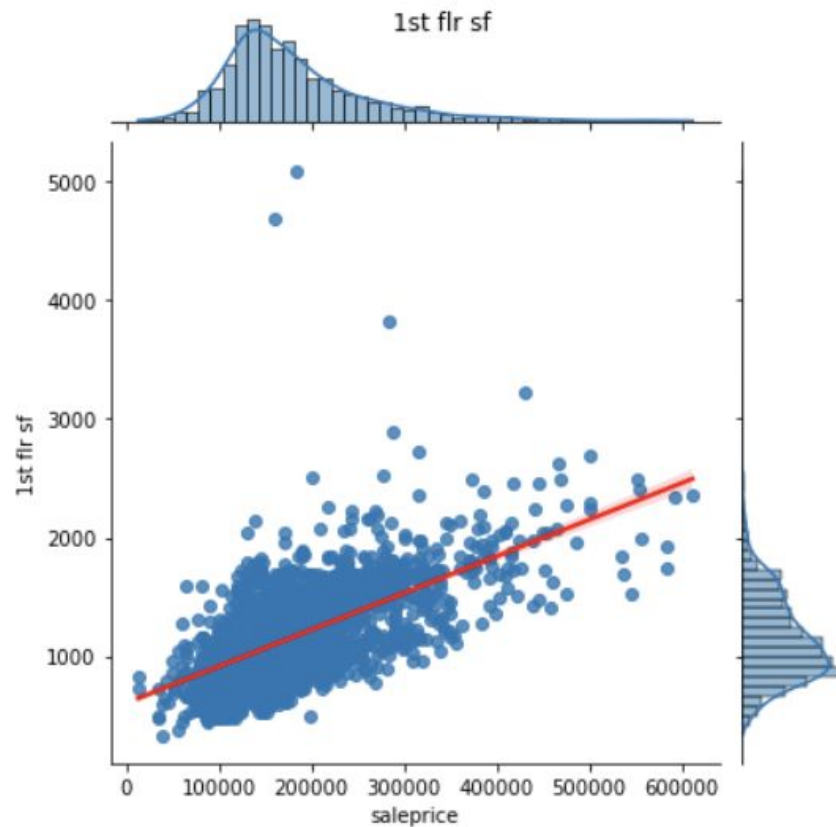
Home features

basement size and overall quality



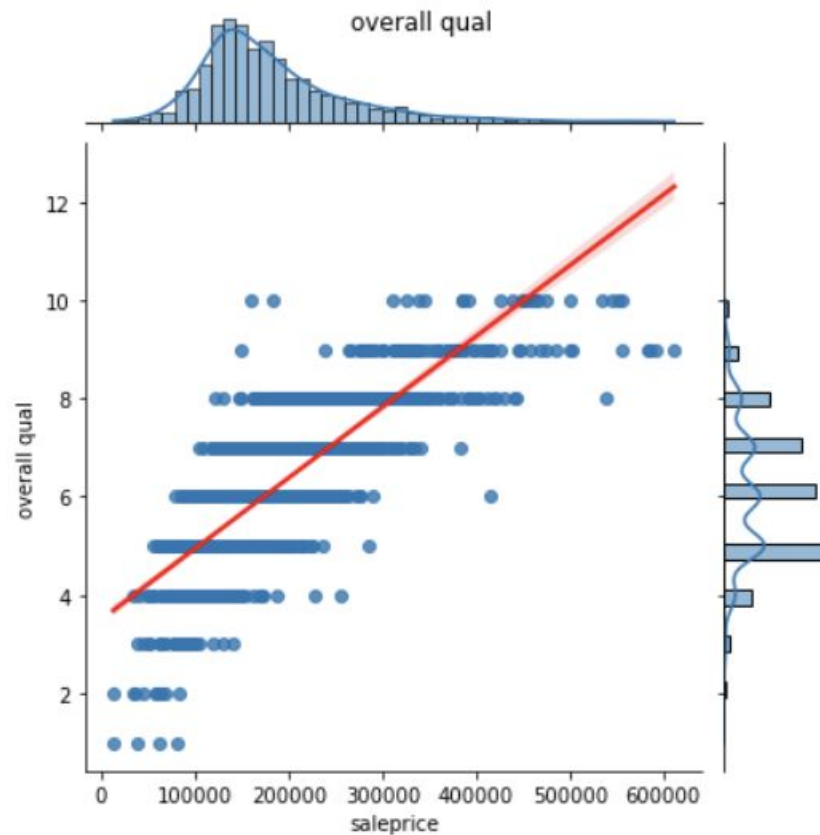
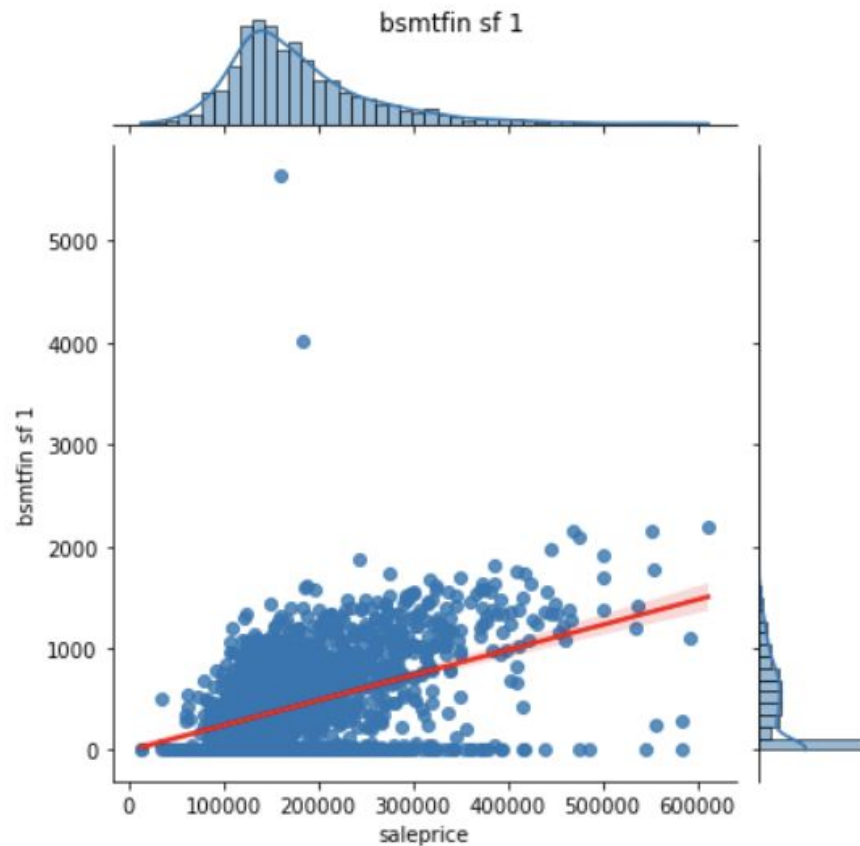
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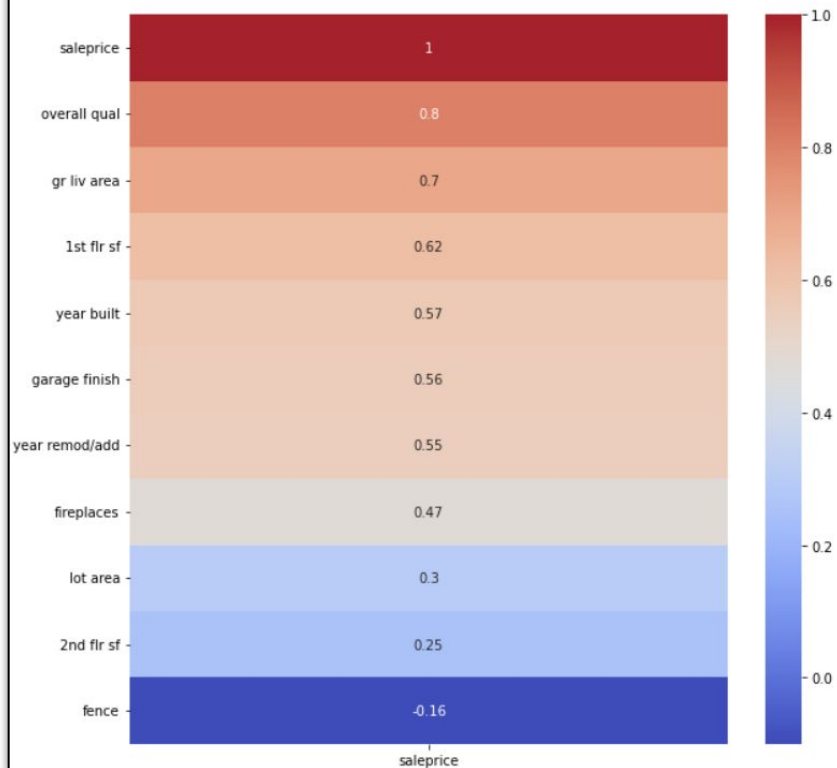
Home features

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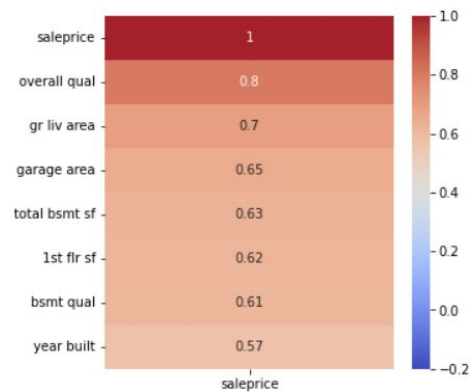




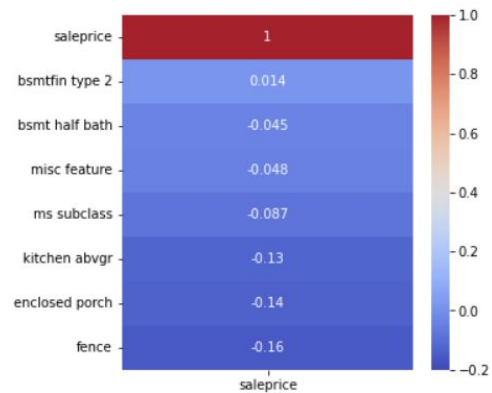
Correlations



Look for these



Ignore these

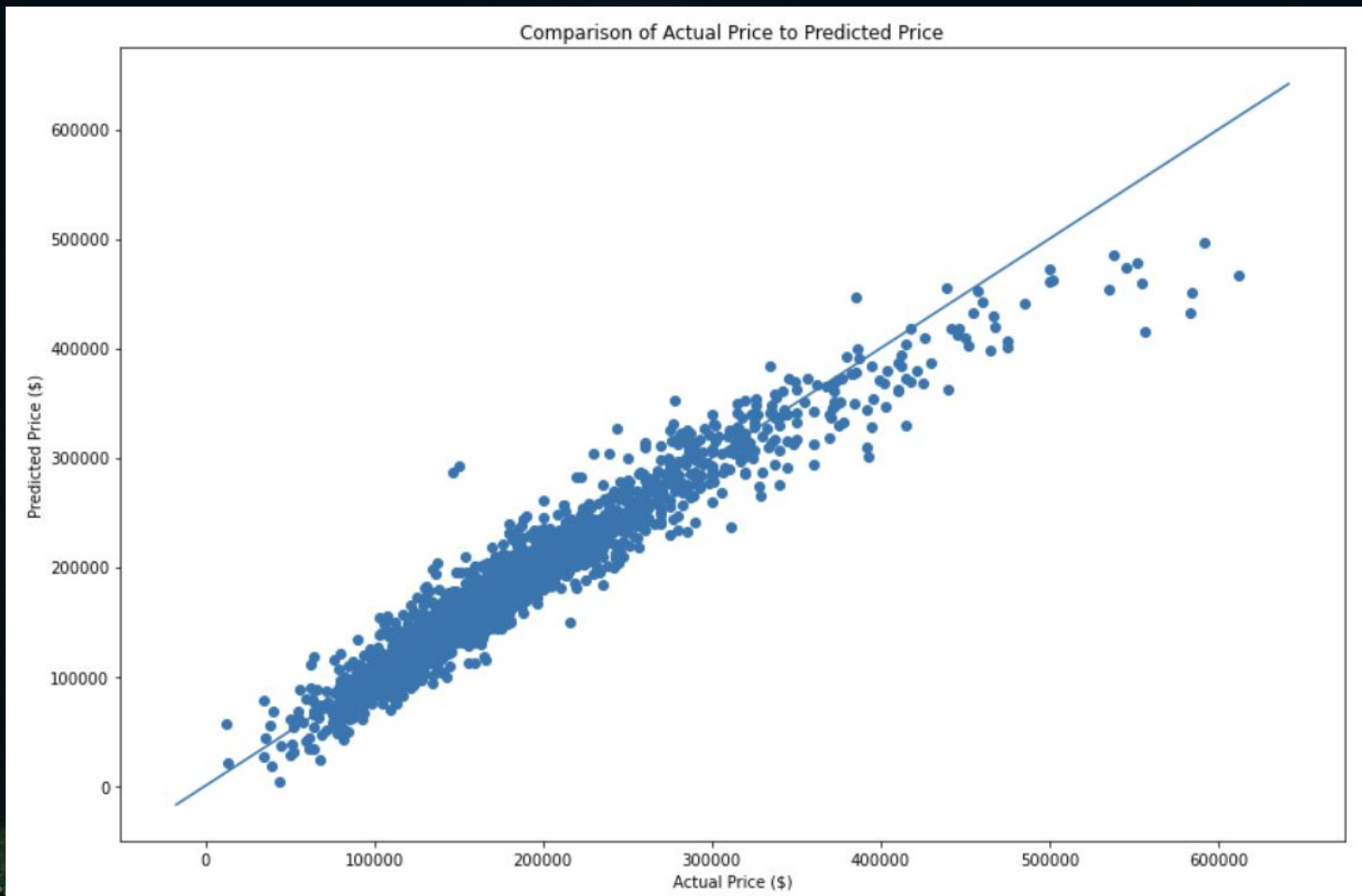




We have the technology



**The
real
model**
90%
accuracy





So what does this mean?

We are on the right track!

**Refine the model
Then do it again
Build a scorecard**

—

Shout out to the team!

Questions

and answers?