

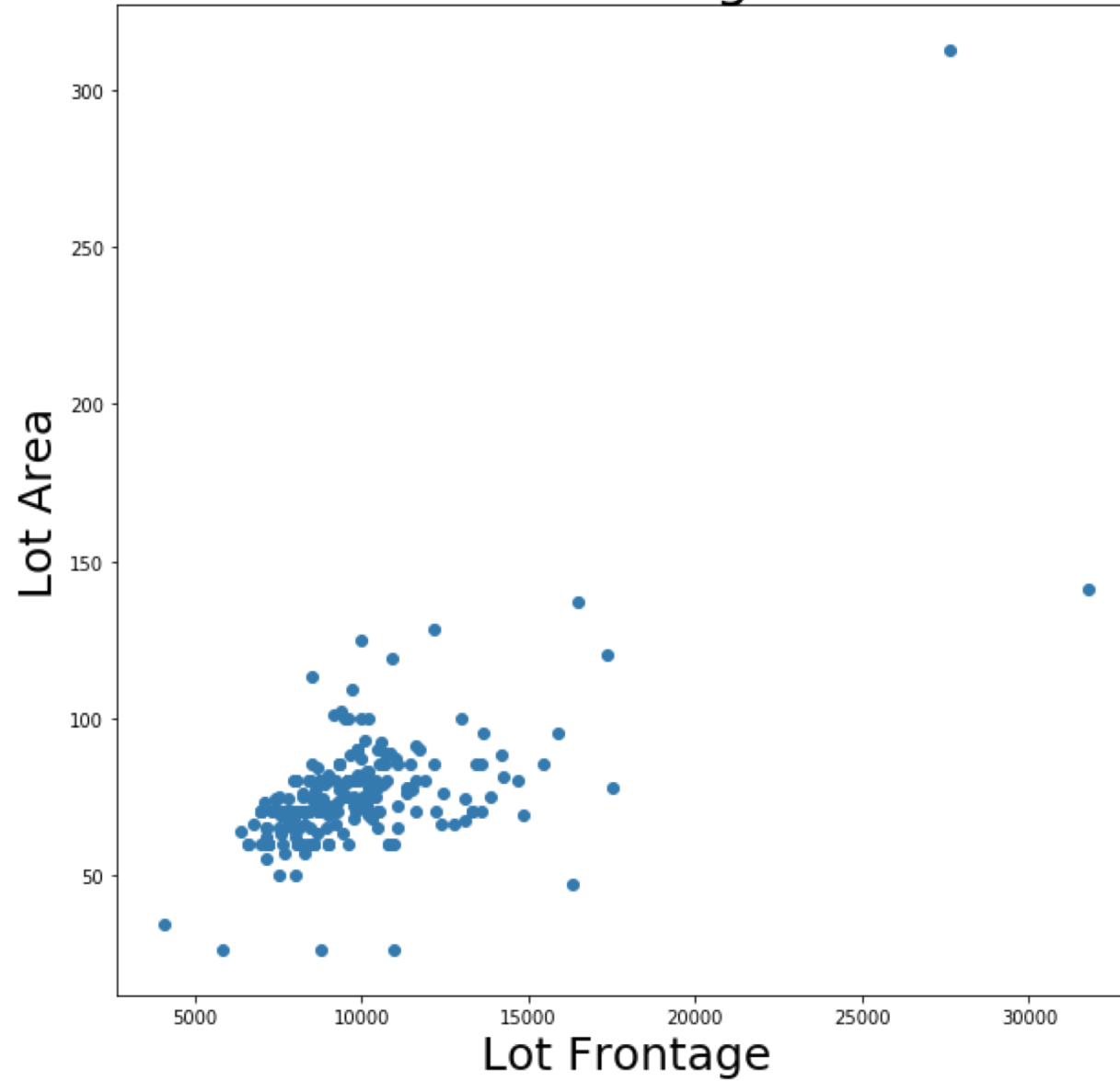
Ames Iowa: Predicting Sales Price

Maurie Kathan: Data Scientist

Exploratory Data Analysis: Lot Frontage

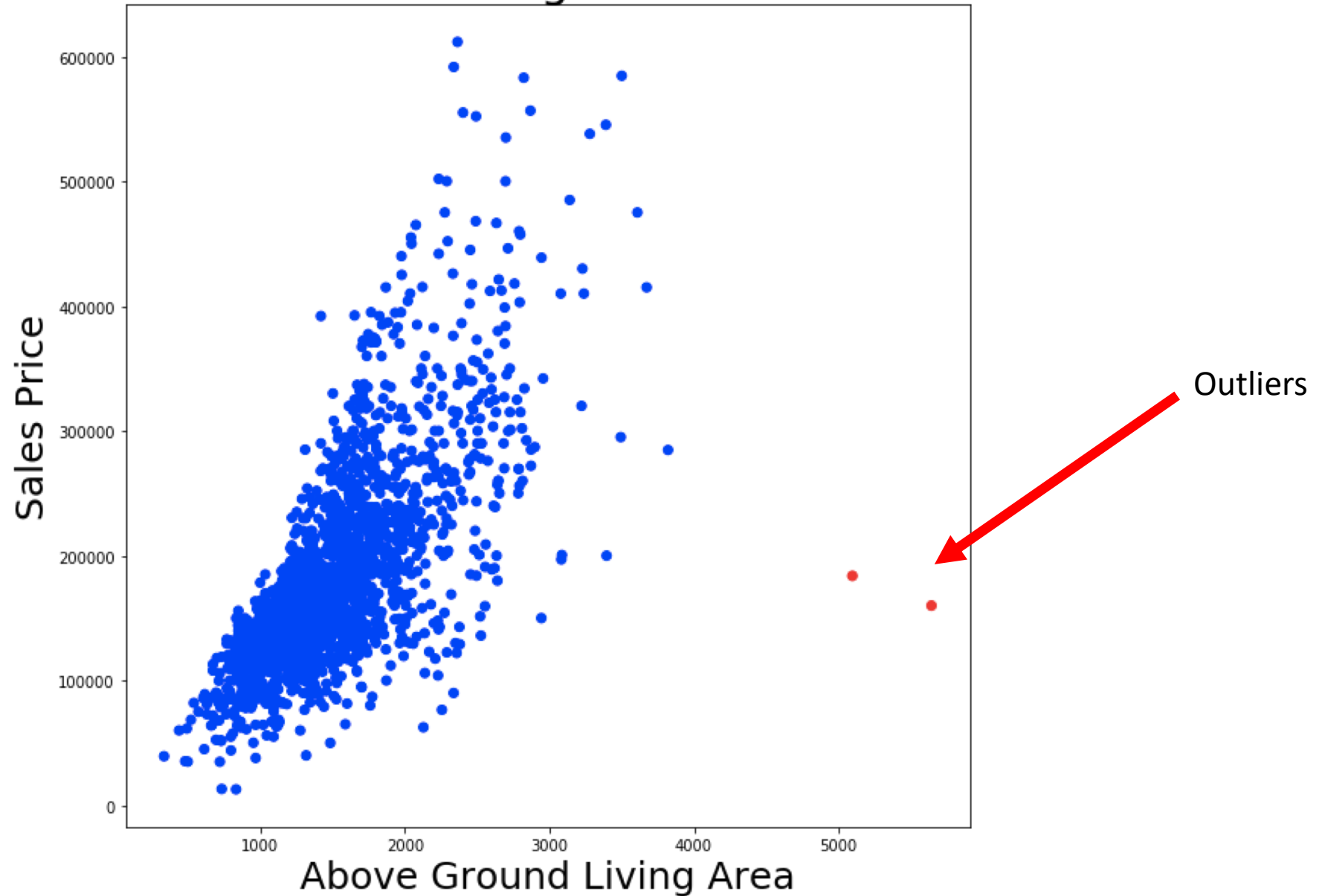
Variables	Coefficient	Absolute Coefficient
Lot Area	11.720041	11.720041
Lot Config_CulDSac	-7.334338	7.334338
Lot Config_Inside	-4.910429	4.910429
Neighborhood_NridgHt	2.925914	2.925914
Lot Config_FR2	-2.865836	2.865836
MS Zoning_RL	2.278753	2.278753
Neighborhood_BrDale	-2.249133	2.249133

Lot Area vs Lot Frontage: North Ames



Outliers

Above Ground Living Area vs SalesPrice



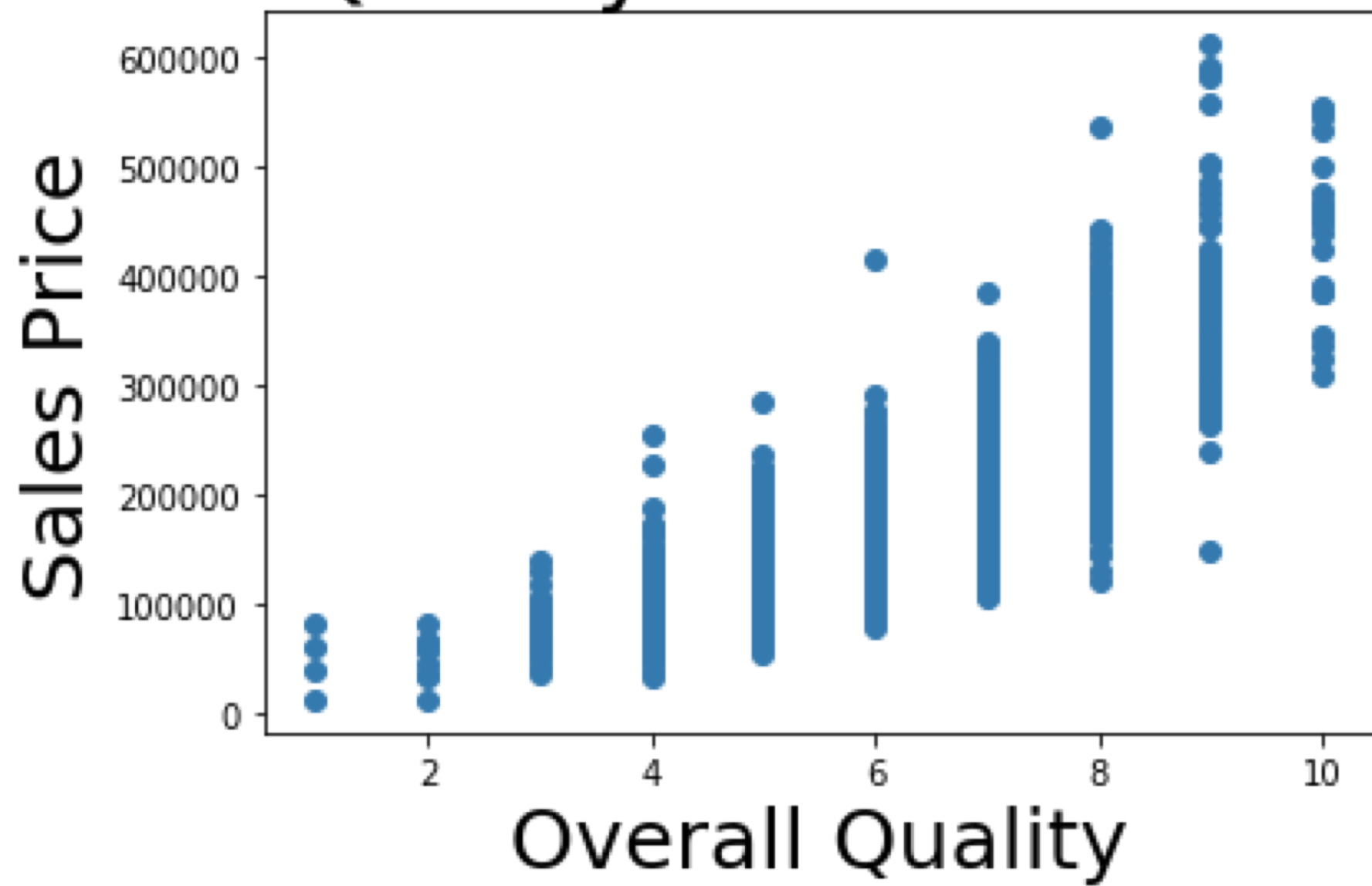
What factors influenced the Model the most?

Variables	Coefficient	Absolute Coefficient
Overall Qual	1.105654	1.105654
Total_sq_ft	1.097379	1.097379
Overall Cond	1.033751	1.033751
1st Flr SF	1.032420	1.032420
2nd Flr SF	1.030449	1.030449
BsmtFin SF 1	1.026869	1.026

Converting Numbers to Categories and Categories to Numbers

- Converted to a Category: Month Sold, Year Sold, Year Built, Year Remod/Add, MS SubClass
- Converted to number: External Quality, External Condition, Basement Quality, Basement Condition, Heating Quality, Kitchen Quality, 'Fireplace Quality, Garage Quality, Garage Condition, Pool Quality

Quality vs SalesPrice



Total Square ft vs SalesPrice

