
How to Improve the Price of your House in Ames Iowa

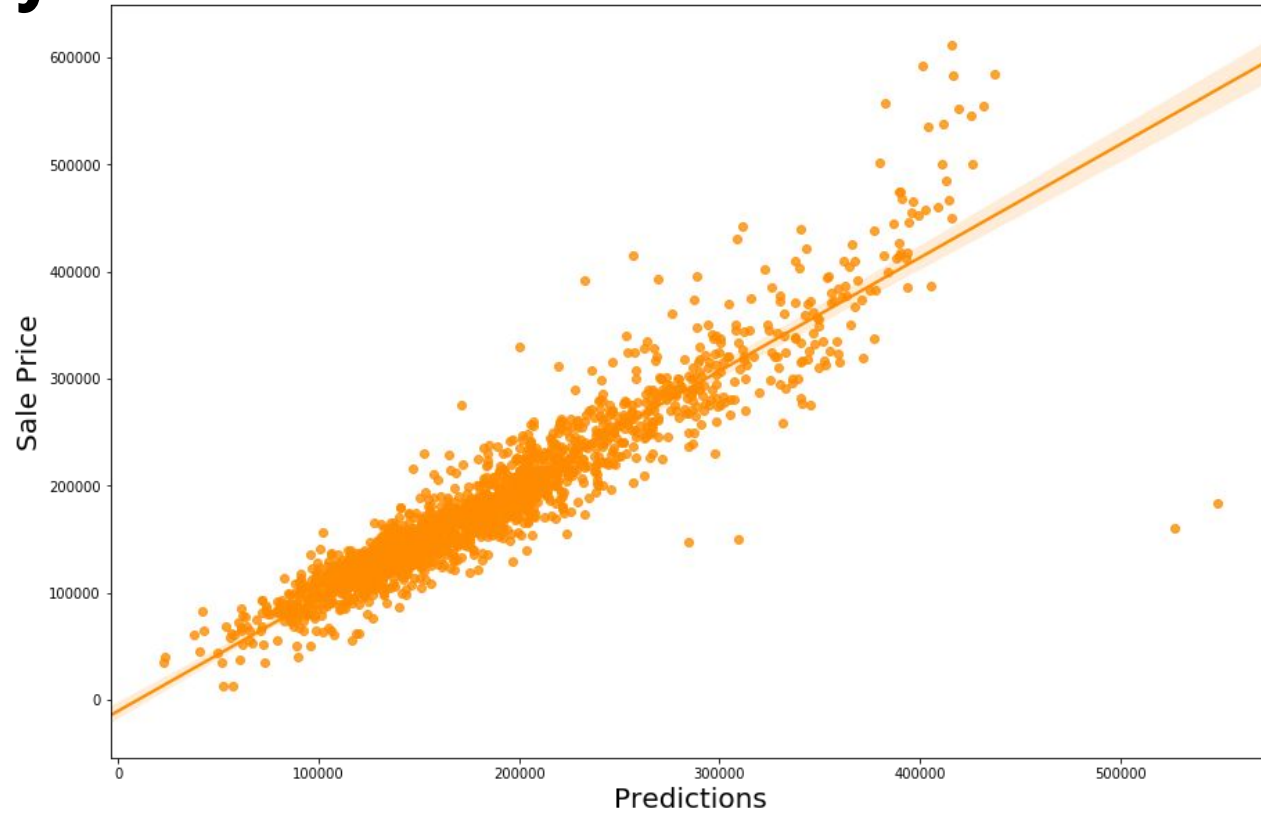
By Carl Lehman

The Data

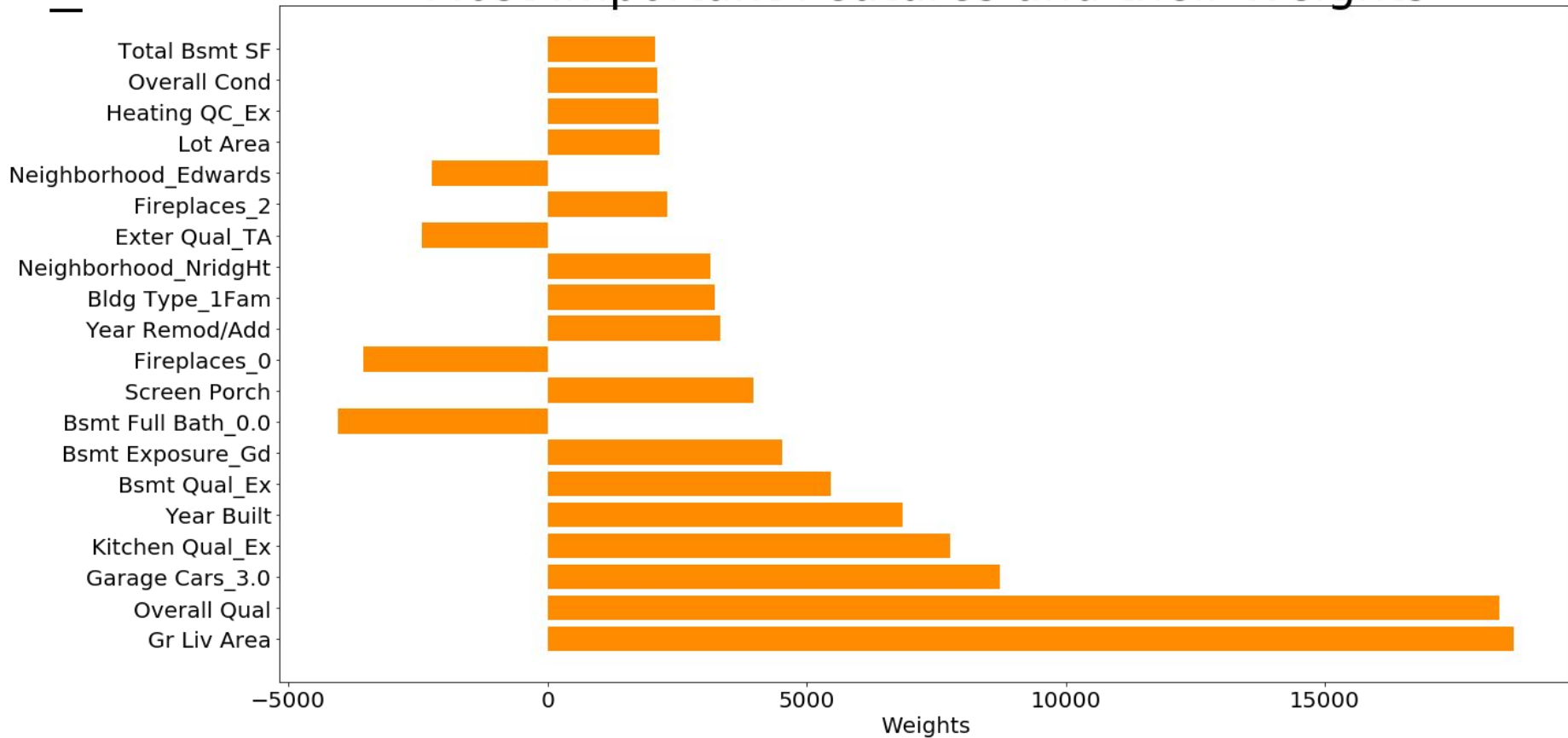
- 2930 observations (houses)
- 82 variables , some categorical and some numerical
- Can we make a model that predicts “Sale Price” using the variables we have, and draw inferences from said model?



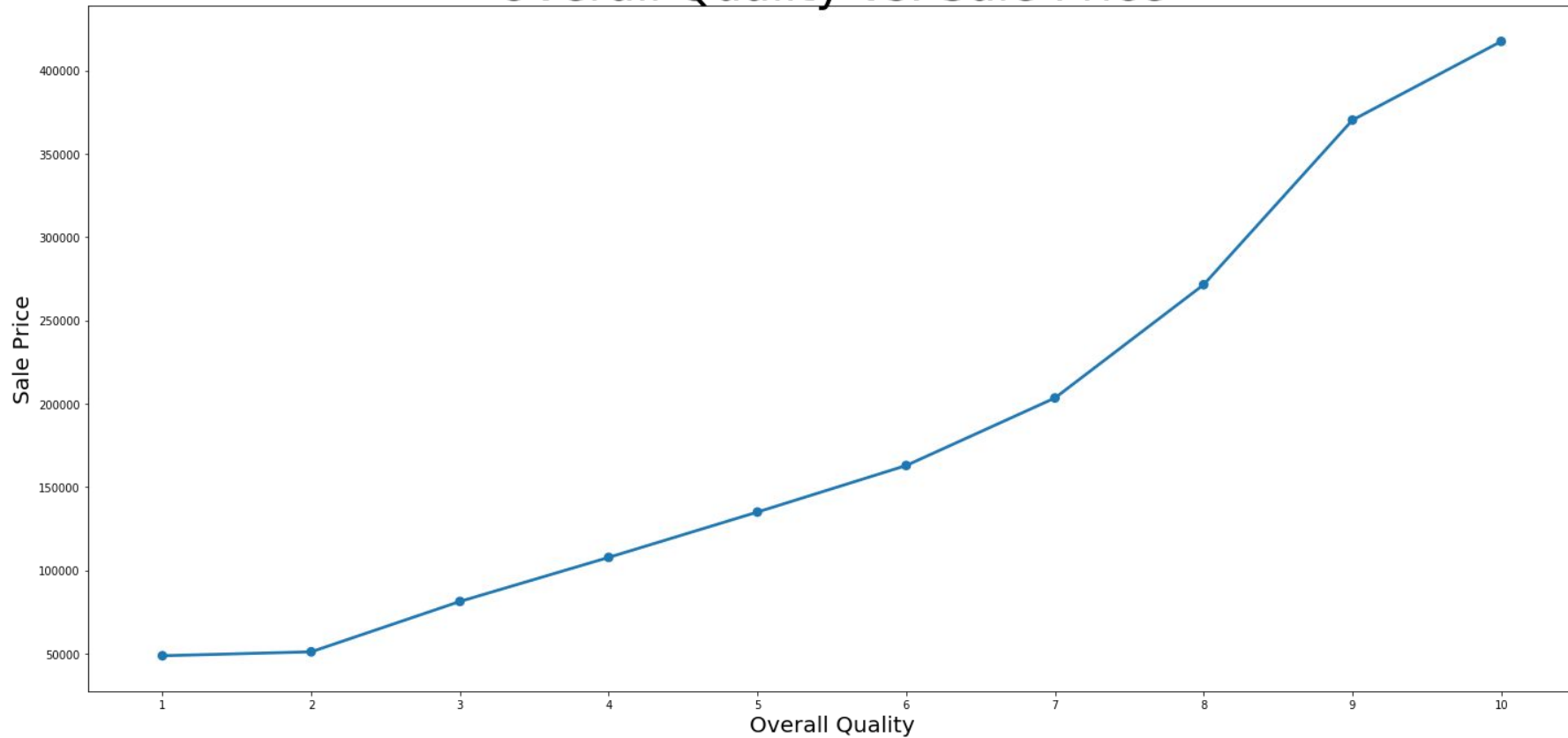
My Model



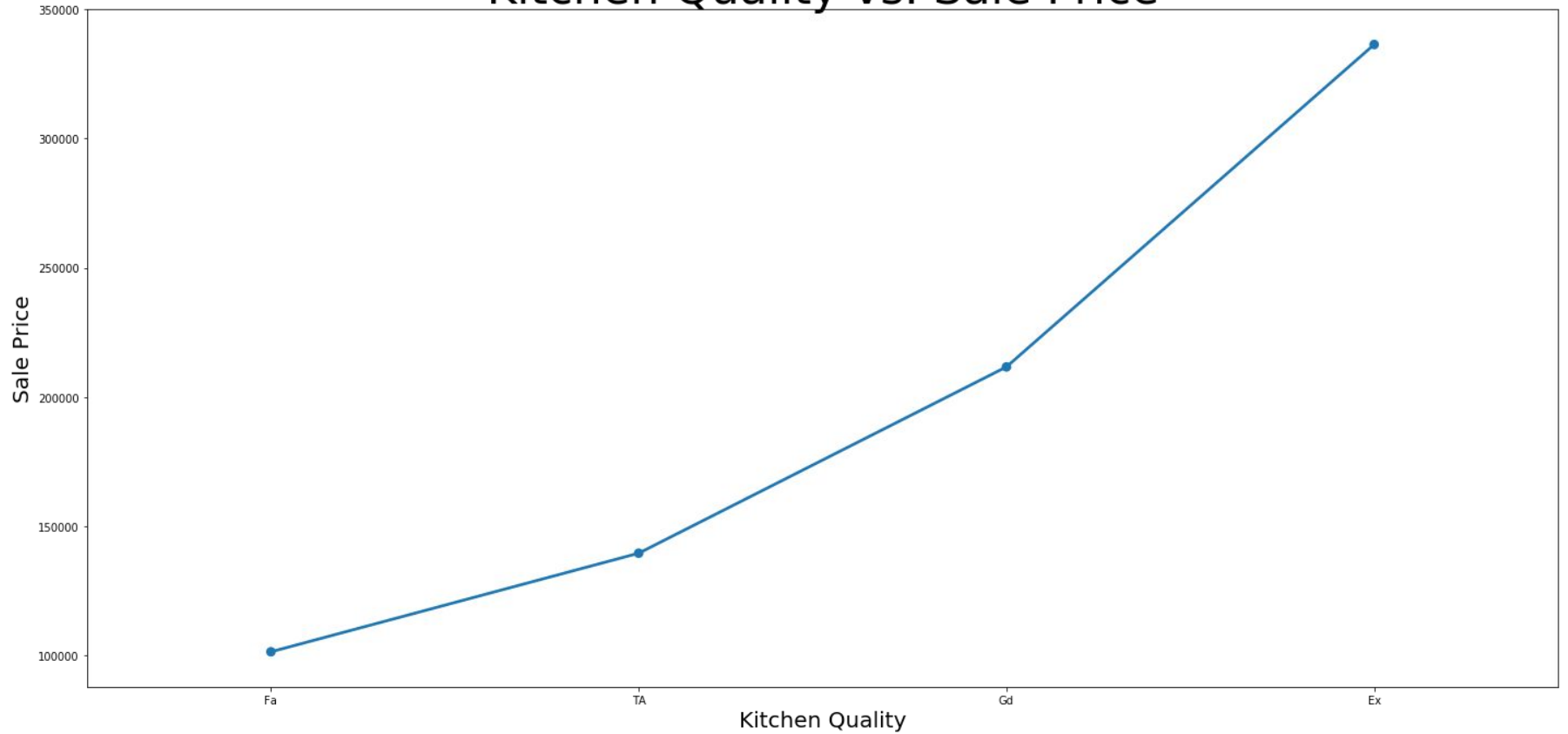
Most Important Features and their Weights



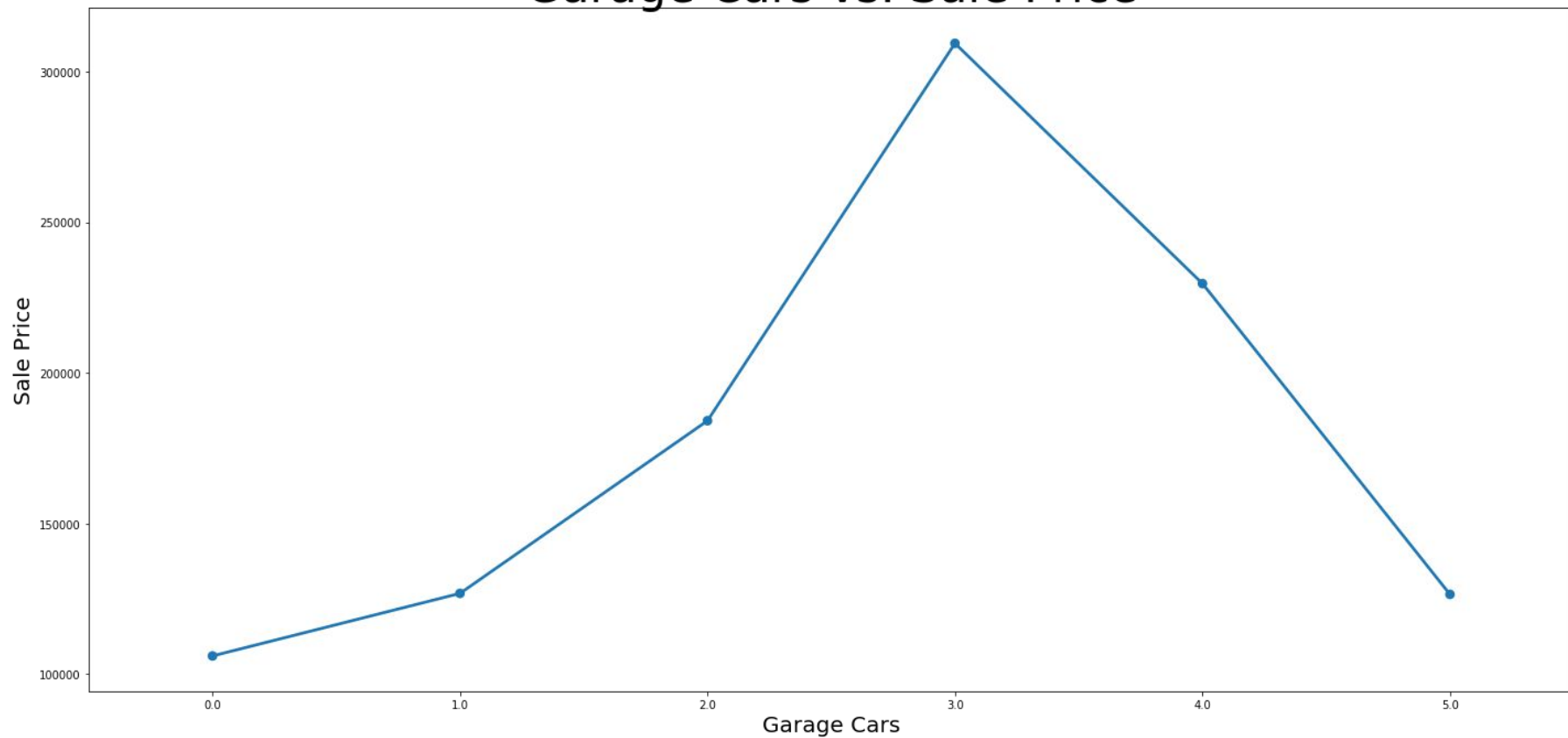
Overall Quality vs. Sale Price



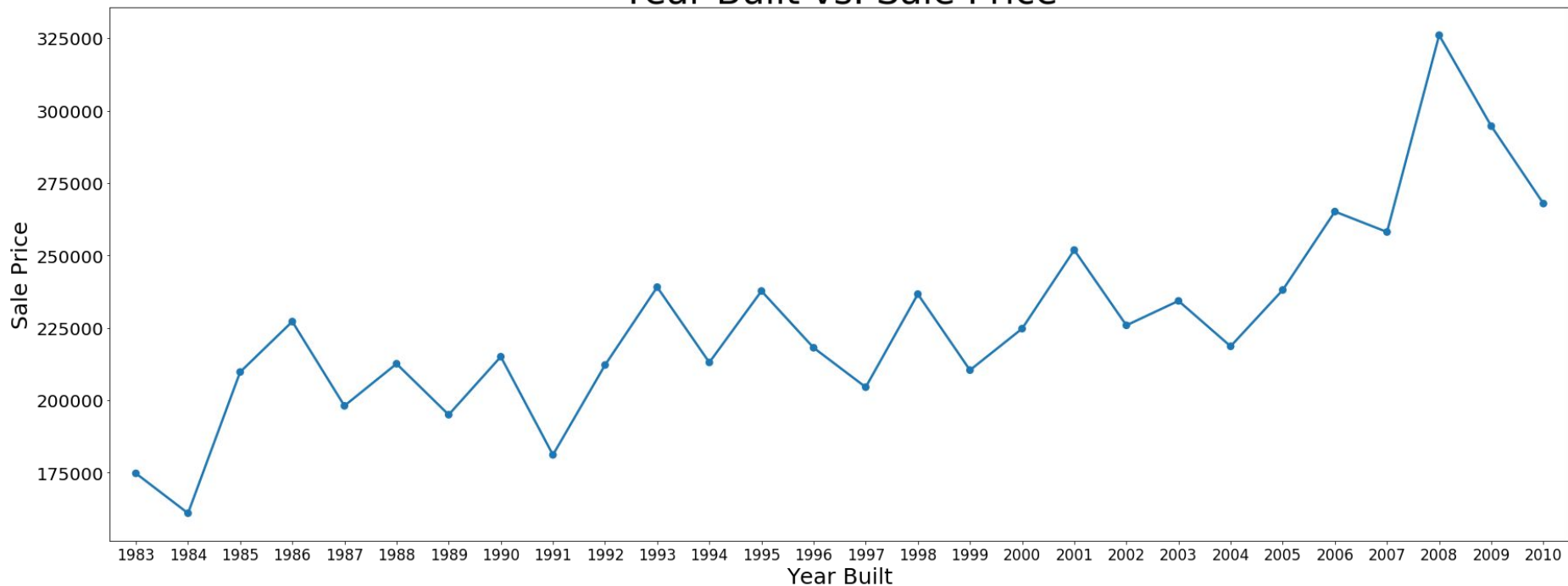
Kitchen Quality vs. Sale Price



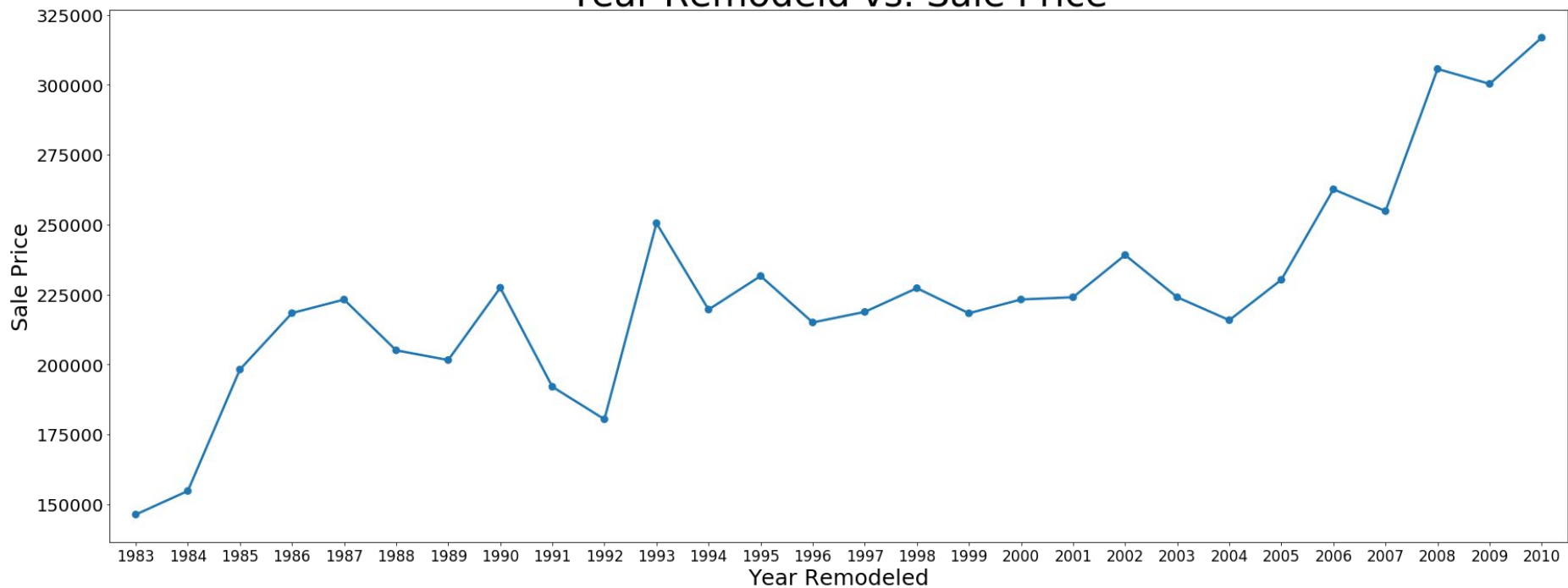
Garage Cars vs. Sale Price



Year Built vs. Sale Price



Year Remodeld vs. Sale Price



What makes your house valuable

- Square feet of living area (size of home)
 - Overall quality of material and finish of your house
 - Having a 3 car garage
 - Kitchen Quality
 - Year Built
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How to Reasonably Improve the Price of Your House

- Improve the quality of your kitchen
 - Remodel your house in some capacity
 - Increase the size of your screen porch
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