

## Stat 502 Class Project Weekly Updates

**Competition: Housing Prices**

**Team Kaggle Name (if Relevant):** \_\_\_\_\_Y\_\_\_\_\_

**Team Members:** \_\_\_\_\_Eryn Blagg, \_\_Yiqun Jiang\_\_\_\_\_

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### **Week 10 (March 23-27) Summary of Activity and Progress**

This week we tried to use a simple linear regression model to predict house price but one problem we meet is with this method, we may get negative predictions. It's commonsense that house price should be positive so we modify our model a little bit to be absolute linear regression model. We forced the prediction to be positive to get more reasonable result

### **Week 11 (March 30-April 3) Summary of Activity and Progress**

Now we tried using glam to use as a smoothing to some of the variables. Our goal with this is to try and get rid of the negative values that we have in our first attempt at a model. This makes sense as it would be the next logical step in keeping our original model to be a linear model. For our results, we no longer have any negative prices on our houses, but we still have a relatively high error rate, but its nice to see that we no longer have negative prices in our models prediction.

### **Week 12 (April 6-10) Summary of Activity and Progress**

**Week 13 (April 13-17) Summary of Activity and Progress**

**Week 14 (April 20-24) Summary of Activity and Progress**

**Week 15 (April 27-May 1) Summary of Activity and Progress**

**Week 16 (May 4-May 8) (Finals Week) Summary of Activity and Progress**