

### Presenters

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Presentation and Github Lead

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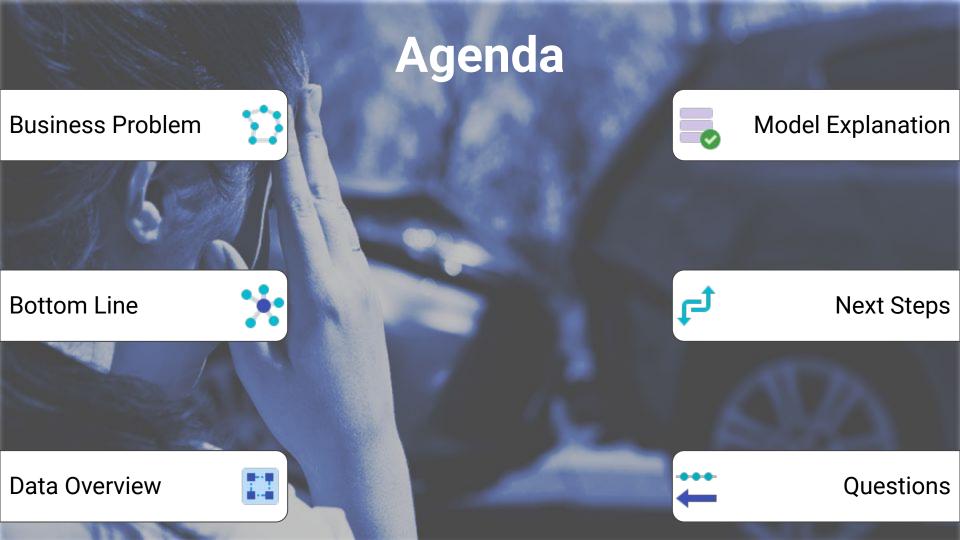
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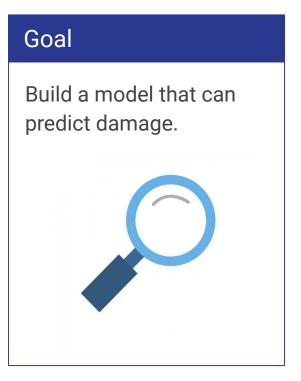
# // FLATIRON SCHOOL



### Business Problem

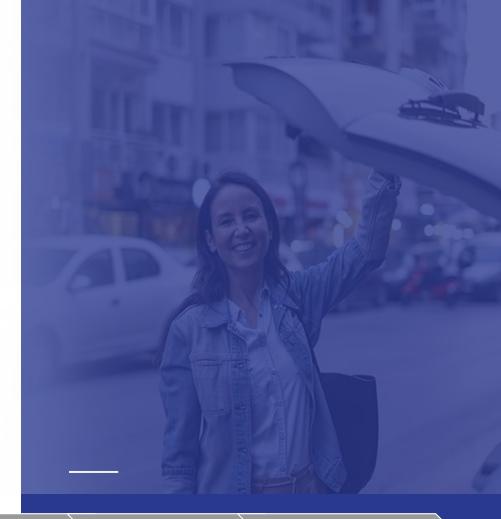






### **Bottom Line**

Damage Accuracy Improved by 7.2 %



### Data

### **Data Exploration**

#### **Crash Reports**

481,000 Accidents from 2016-2021



#### **Key Predictors**

**Speed Limit, Number of Cars, Cause of Accident** 

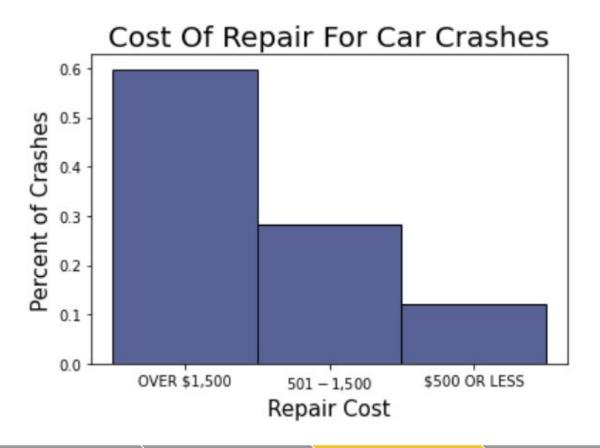


#### Likelihood of Serious Damage

Damage > \$1,500

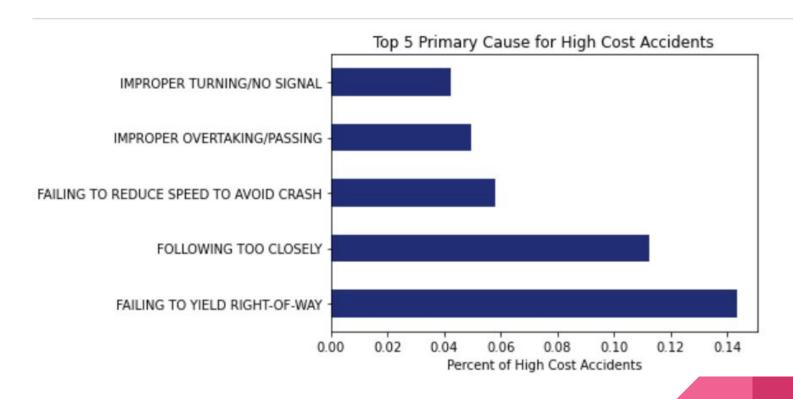


### 60 % of Accidents Cause Serious Damage



### Target Predictor

### Causes of High Cost Accidents



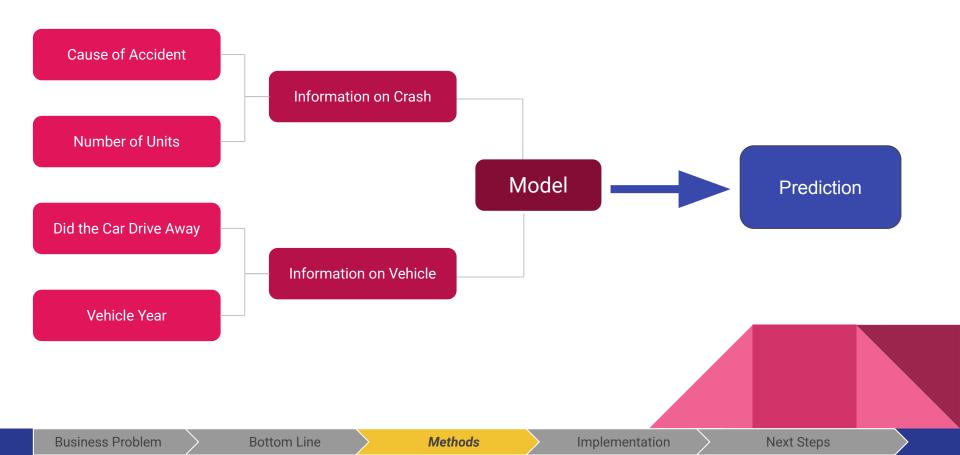
### Model

Bryan Keating

**Technical Lead** 



### How The Model Works



## Use Independent Data to Combat Fraud

 Use Police Reports to estimate cost

 Large Discrepancies warrant further investigation



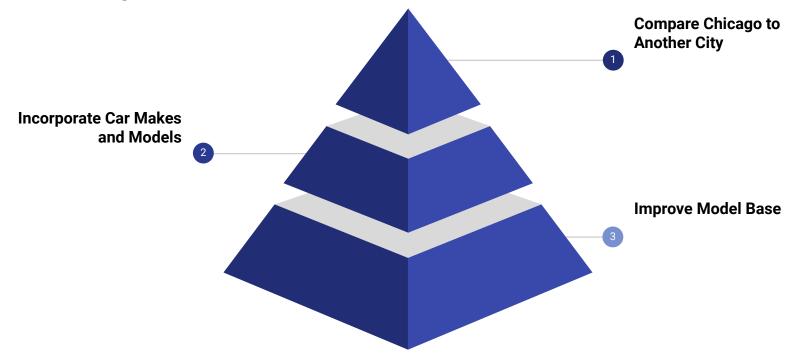
### Next Steps

John Bruemmer

**Presentation Lead** 



### **Next Steps**



## Questions

### **Thank You!**

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