

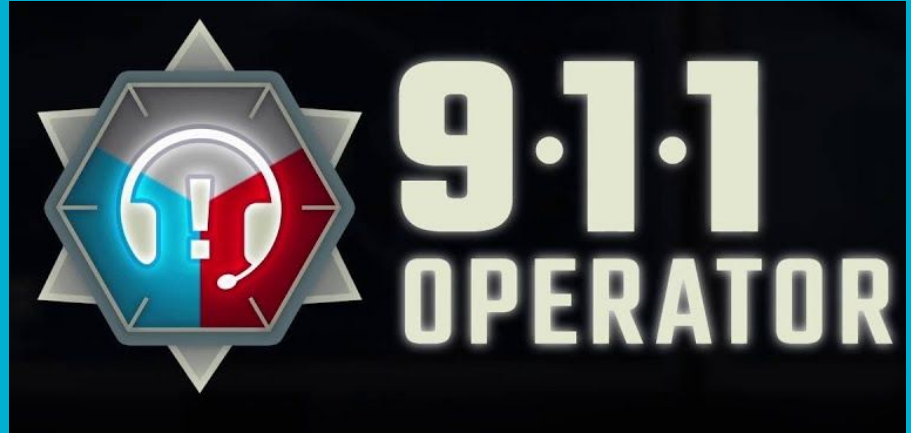
Chicago Car Crashes



By: Jerry Vasquez, Michael Schor, Zach Hanly, Deja Prade

Business Understanding

- Software to predict whether a crash might be fatal
- Helps 911 dispatchers
- Helps ambulance drivers



Data

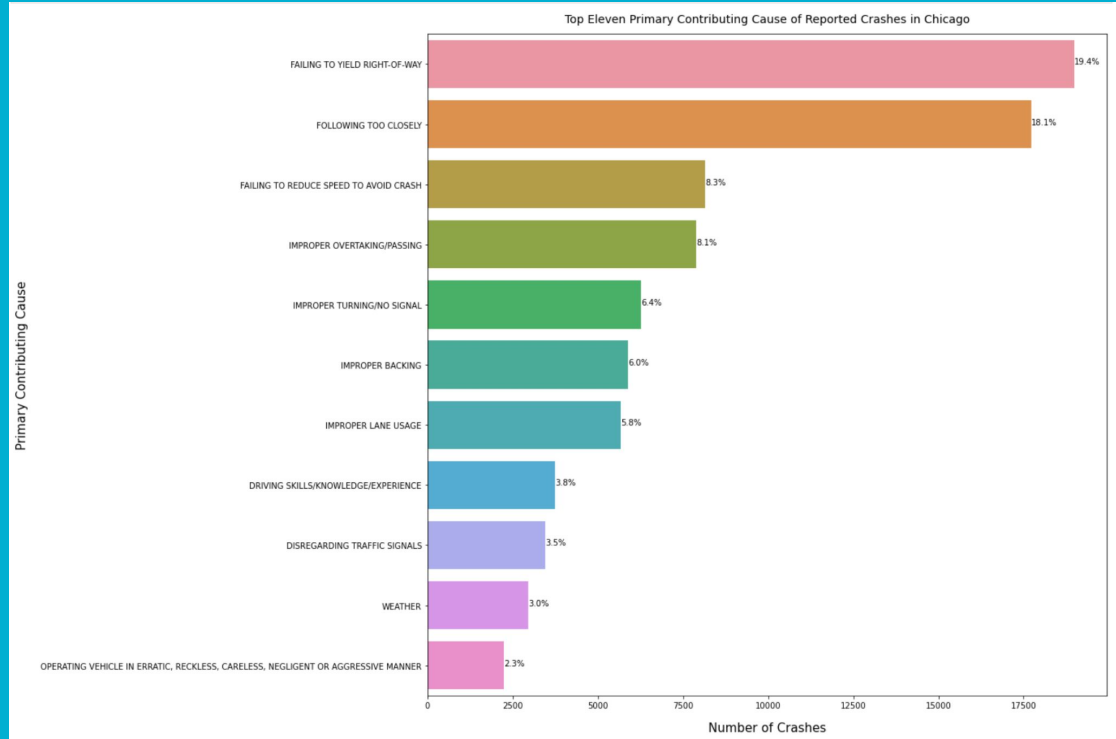
Chicago, IL Car Crash Data

- From city of Chicago website
- 3 data sets:
 - Crash info
 - info on people involved
 - info on vehicles involved



Top 11 causes to accidents

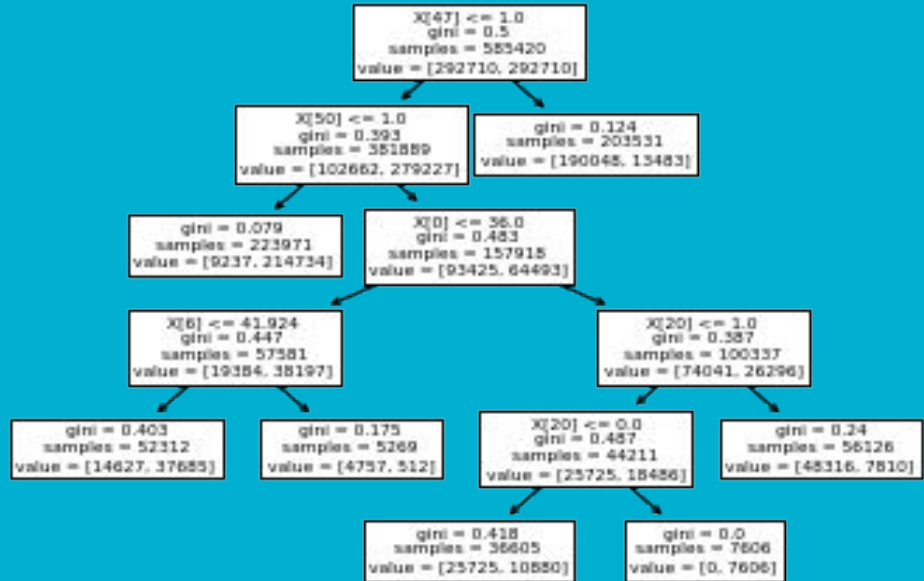
- The model will use these
- Helpful for determining if crash is fatal



Decision Tree

Train Accuracy: 90%

Test Accuracy: 92%



Conclusions

- Have software follow the decision tree model
- Use those recommendations to determine emergency
- Install “smart” software on cars that use this model



Questions?

Deja Prade: [Linkedin](#)

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