



# CHICAGO CRASHES

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# Business Problem

WHAT FACTORS INFLUENCE THE DAMAGE COST IN THE EVENT OF A CAR CRASH



# Findings

- Crash Type resulting in Injury or towing due to crash will have damage cost over \$1500
- Crashes that occur when vehicle is parked range between \$500 and \$1500
- Crash Type with no injury and can drive away will have damage cost below \$500



# Data and Methods

DATA: CHICAGO CRASH DATASET



# BASELINE

TRAIN ACCURACY: 99%

TEST ACCURACY: 54%



# MODEL

TRAIN ACCURACY: 64%

TEST ACCURACY: 65%



# MODEL

TRAIN ACCURACY: 64%

TEST ACCURACY: 61%



# MODEL

TRAIN ACCURACY: 64%

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# Recommendation

- Acquire more information of the crash site to accurately



# Next Steps

- Include more features like police description of incident and compare to eye witness reports



# THANK YOU

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