

# DATA REPORT

## INTRODUCTION

This data report explores factors contributing to severe crashes in Chicago with the aim of helping the City of Chicago Department of Transportation (CDOT) make recommendations for safer roads and driving conditions.

## DATA

The report uses data from the Chicago Data Portal to determine key features that predict fatal car crashes and to develop a predictive model for making recommendations. I had the crash and people dataset that helped with my prediction. Data cleaning and preprocessing was performed to handle missing values and get a clean data to work with.

## EDA

EDA reveals that sex and safety equipment use as important features in the models after doing visualizations using bargrphs. during this process I was able to chose my predictors and which factors can not be predictors.

## MODELING

during my modeling i was able to use dummy classifier as my model and matrix confusion matrix as the metrics

## CONCLUSION

as for my conclusion, I recommended increasing public awareness of safety equipment use such as helmets, safety belts, kids seats so that we can prevent accidents that are fatal on roads.