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CHICAGO CAR CRASHES

PROBLEM STATEMENT

Our clients is Chicago department of transport and we shall try to advice them on major causes of road accidents and injuries

MAIN OBJECTIVES:

1. Find the most reliable indicators for assessing the degree of injury or risk of death in car crashes
2. Conduct an examination of car crash data in chicago



SPECIFIC OBJECTIVES

- Analyze the relationship between different predictors and car crash outcomes
- Develop a model to predict the severity of car crash injuries or risk of fatality based on the identified factors
- Provide recommendations to the Chicago Department of Transportation (CDOT) on how to improve car crash outcomes, based on the findings from the analysis and predictions from the model

EXPLORATORY DATA ANALYSIS

- We found that male sex are involved in more accidents
- adults in the bracket 19-29 had fatal accidents
- Safety equipments use reduces fatality

MODELING

- started by importing data
- EDA
- dummy classifier model
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RECOMMENDATIONS

- To reduce the number of severe injuries and fatalities, the Chicago Department of Transportation (CDOT) should:
- Enhance public education about the significance of utilizing safety gear
- Study gender differences in injury or fatality rates to develop solutions that are tailored to the unique risks faced by each gender
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