



Car Accidents Severity

Predictive model.

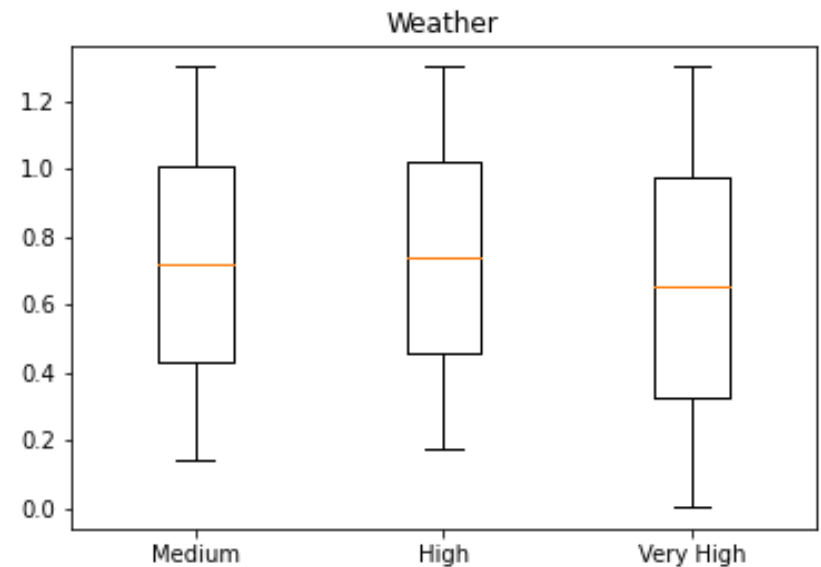
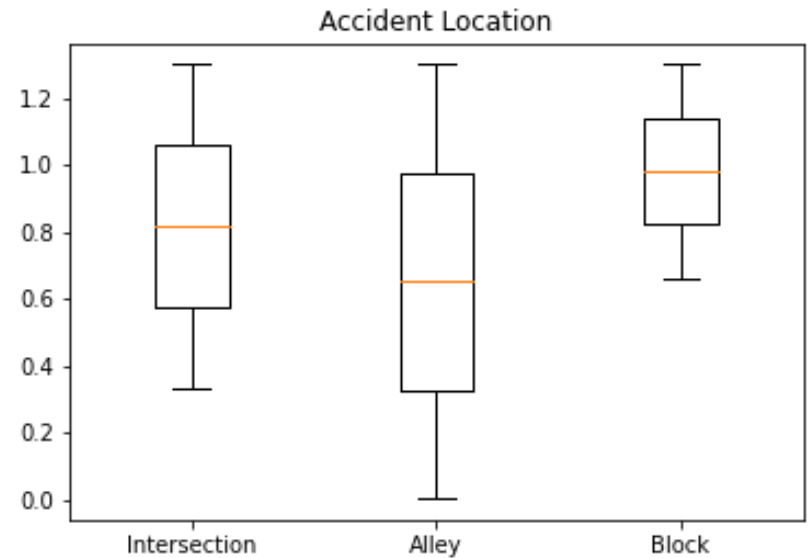
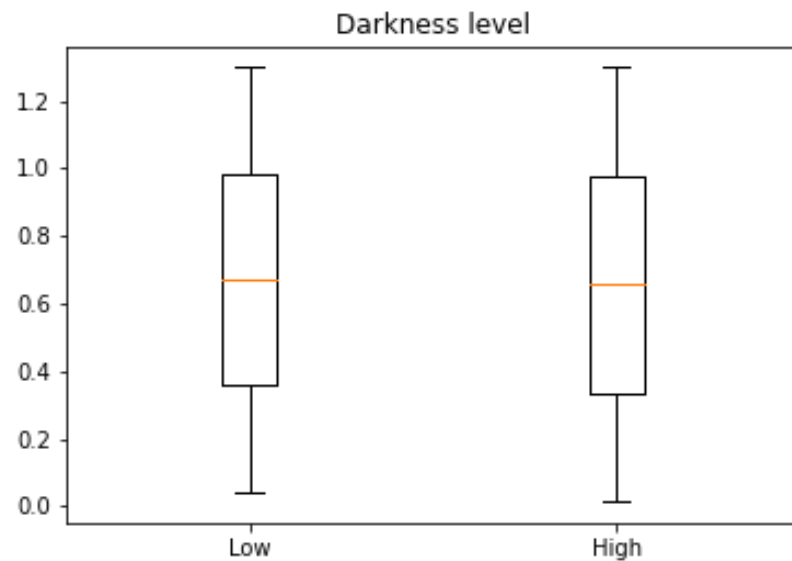
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Introduction

- Can we predict the outcome of a transit accident before it happen?
- How severe would be?
- It's a job for a prophet?

Data

Categorical variables:



Methodology

- K-Nearest Neighbors algorithm with a "k= 4".
- Decision Tree algorithm with an "8 depth" level

Results

<i>Algorithm</i>	<i>Accuracy</i>	<i>F1-score</i>	<i>Jaccard</i>
<i>KNN</i>	0.7440349300115577	0.7440349300115578	0.7440349300115577
<i>D-Tree</i>	0.7532554257095159	0.7532554257095159	0.7532554257095159

Conclusion & Discussion

- The intersections are the most dangerous.
- The Decision Tree has 75% prediction accuracy.
- Help to the transit police.
- Guide to future researches.