Proportions for Crash Injuries to Deaths for Different Vehicle Types

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Introduction

This research focuses on the top 5 vehicle types involved in crashes in New York City. As seen in Figure 1, New York City has had hundreds of thousands of crashes throughout the years and it is important to detect what is causing these crashes so that human life can be sparred, and the streets can become safer places for transportation.

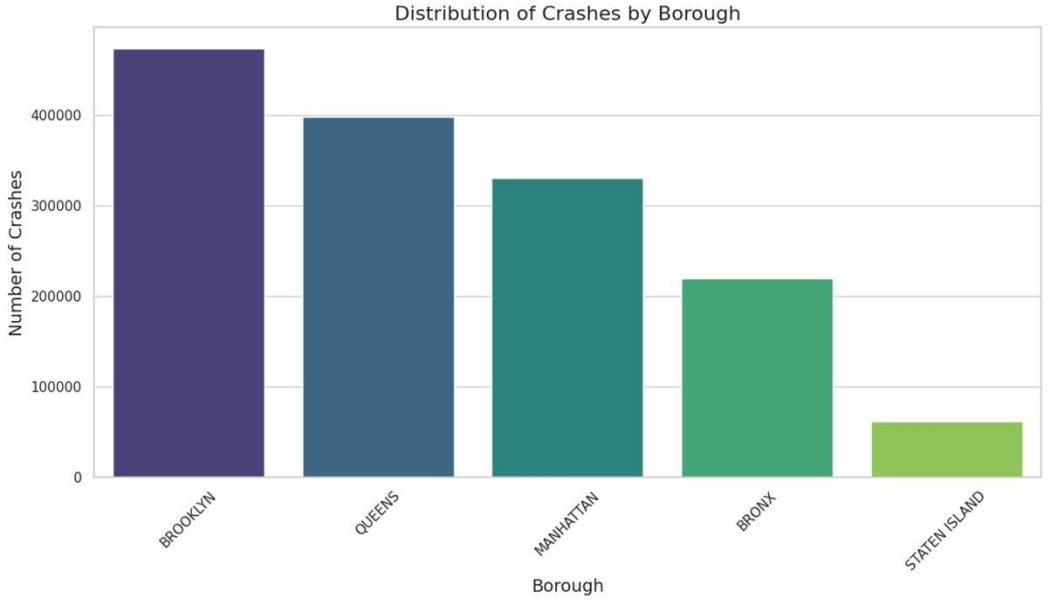

Figure 1. Distribution of crashes by borough.

References: pandas python package

Results

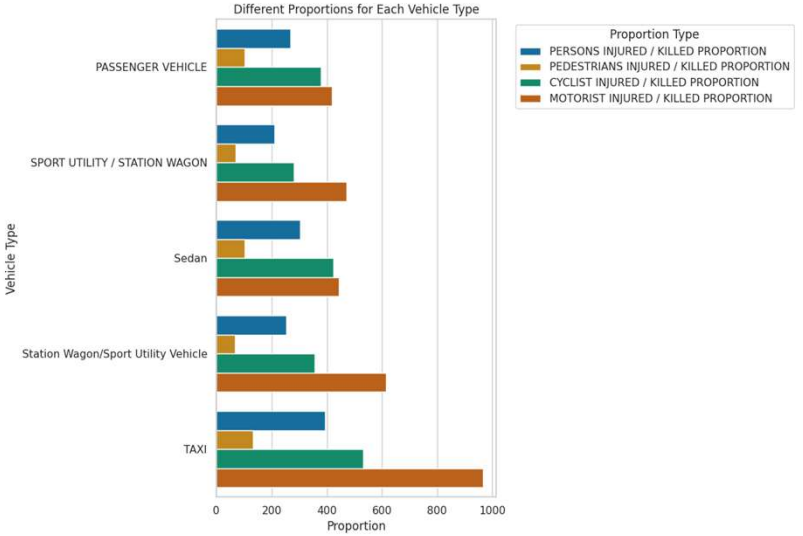

Figure 2. Different injury/death proportions for top 5 vehicle types involved in most crashes in NYC.

Conclusions

For future research, it may be beneficial to scale the data for each vehicle type so the results could be compared better. I would recommend the city fund more taxis because it has the highest proportion of crashes that result in just injuries rather than deaths. Due to lack of space, I cannot go further into conclusions. Please email me for further discussion: cscolar2@lion.lmu.edu

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