Predictions for At Fault Drivers
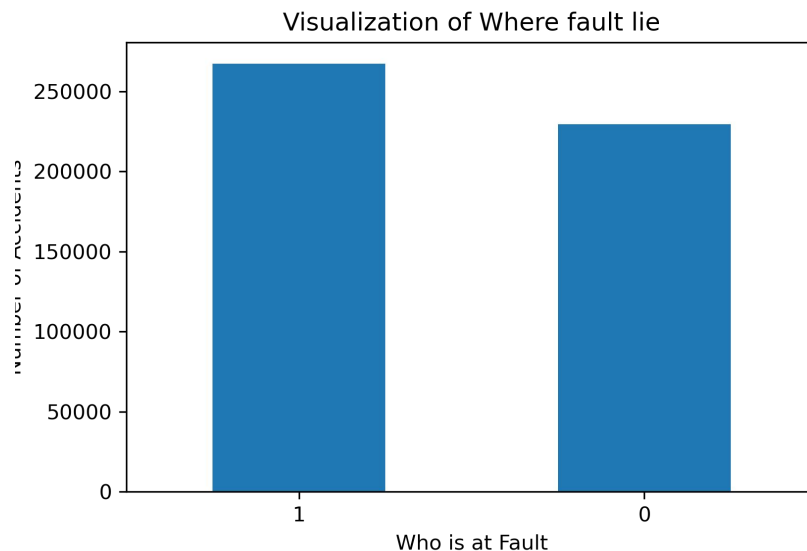
Angela Joseph-Pauline

Business Problem

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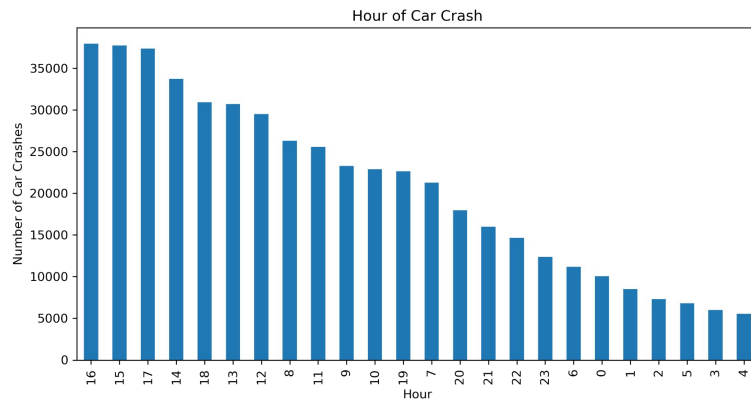Geico would like to predict what accidents are worth investigating.

Data & Methods

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- The data was separated into the below two values:
  - Outside influence = 0
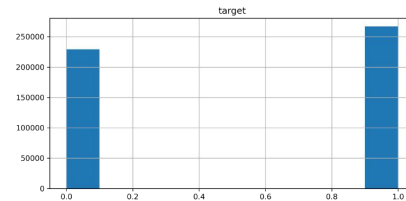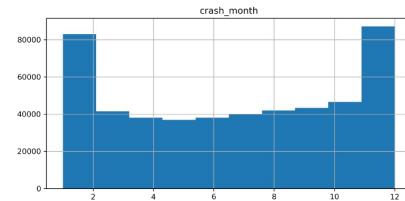 - Driver caused = 1

- Cross Balance check

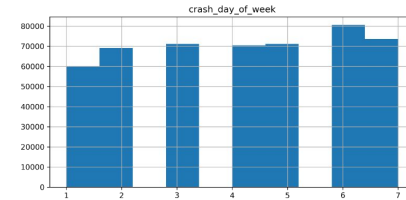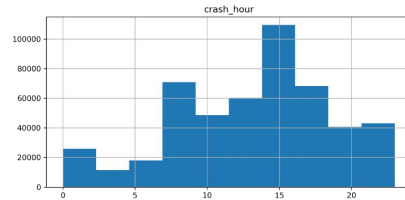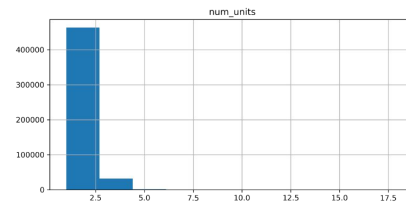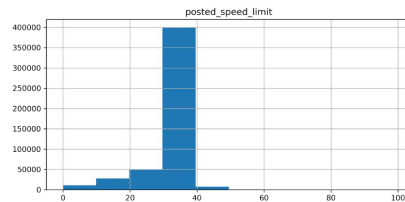Visualization of Where fault lie

Data & Methods continued

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- Initially used only numeric data.

- Moved on to include categorical data.

- Finally chose to change the modeling method.

The Best Predictive Model

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- The numerical Model.

- Accuracy of about 57%.

- A Models were over 50%

Conclusion

After a review of all three models the numerical features were the predictors of Drivers at fault.

Future Work

- The days of the week.

- Holidays/Events

Thank you!

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