Car Insurance Data

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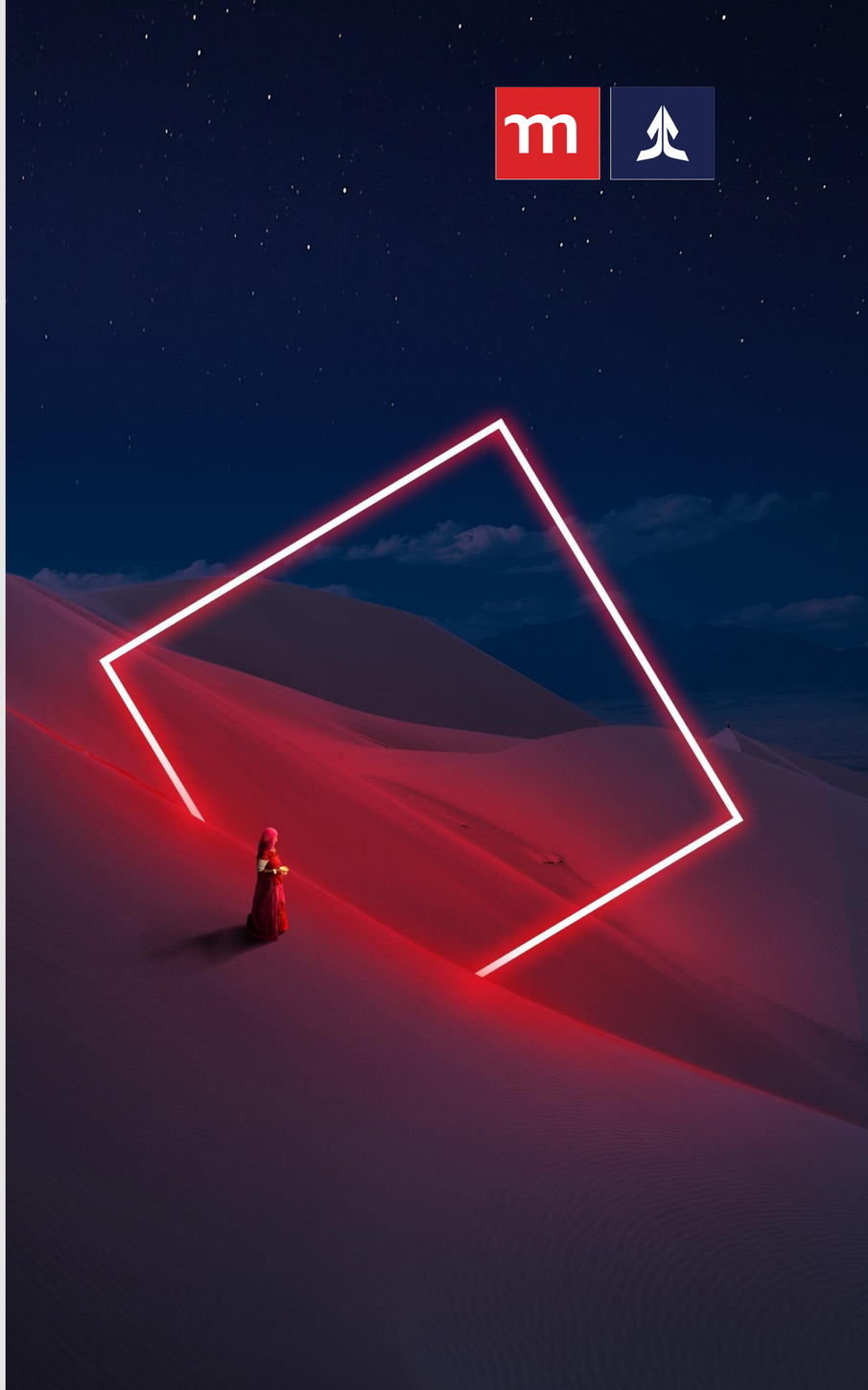


Stakeholders

01

Stakeholders

- Board
- Exco
- Senior manager
- Sales consultant

Business problem 02

Business problem

- Study customer behaviour
- Customers vs Loans

Description

03

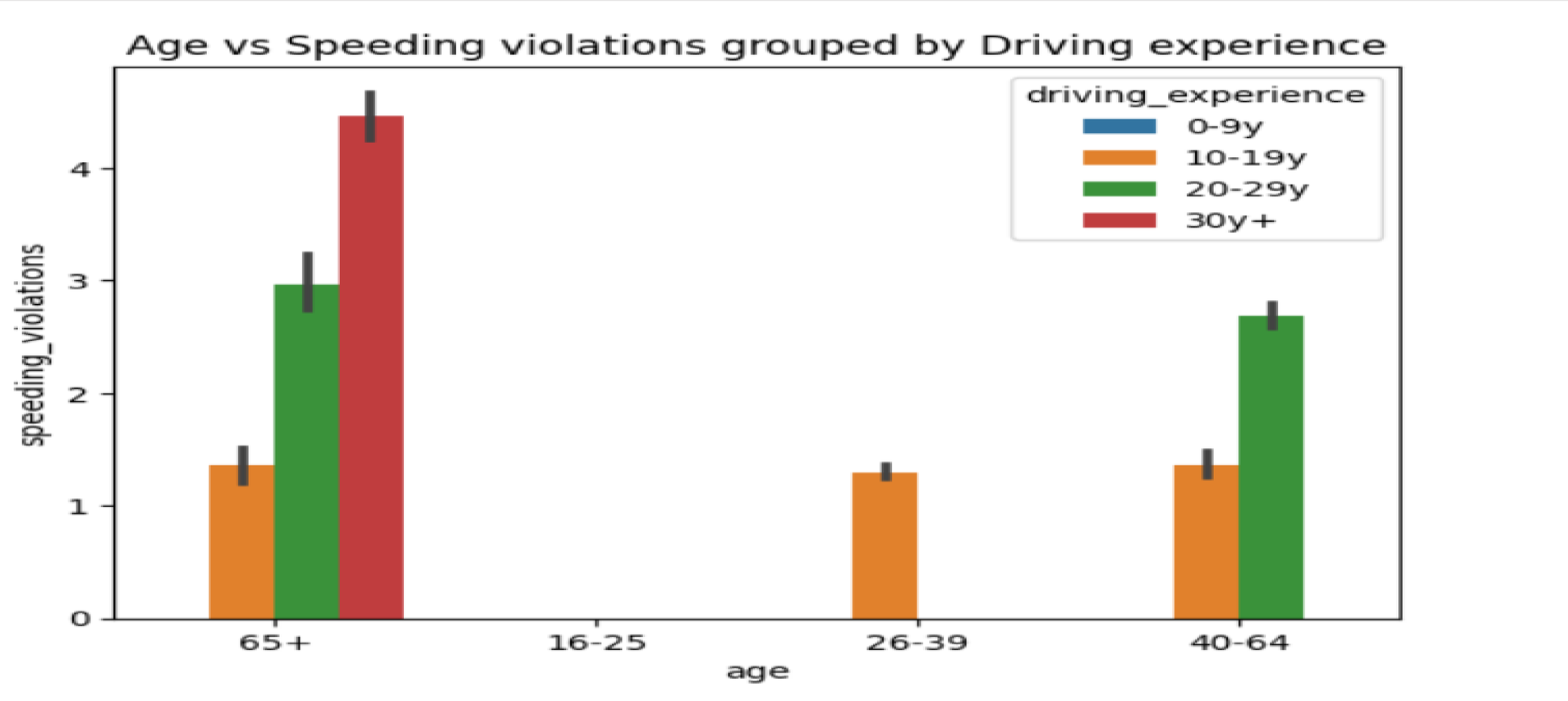
Description

- 607 rows
- 12 columns

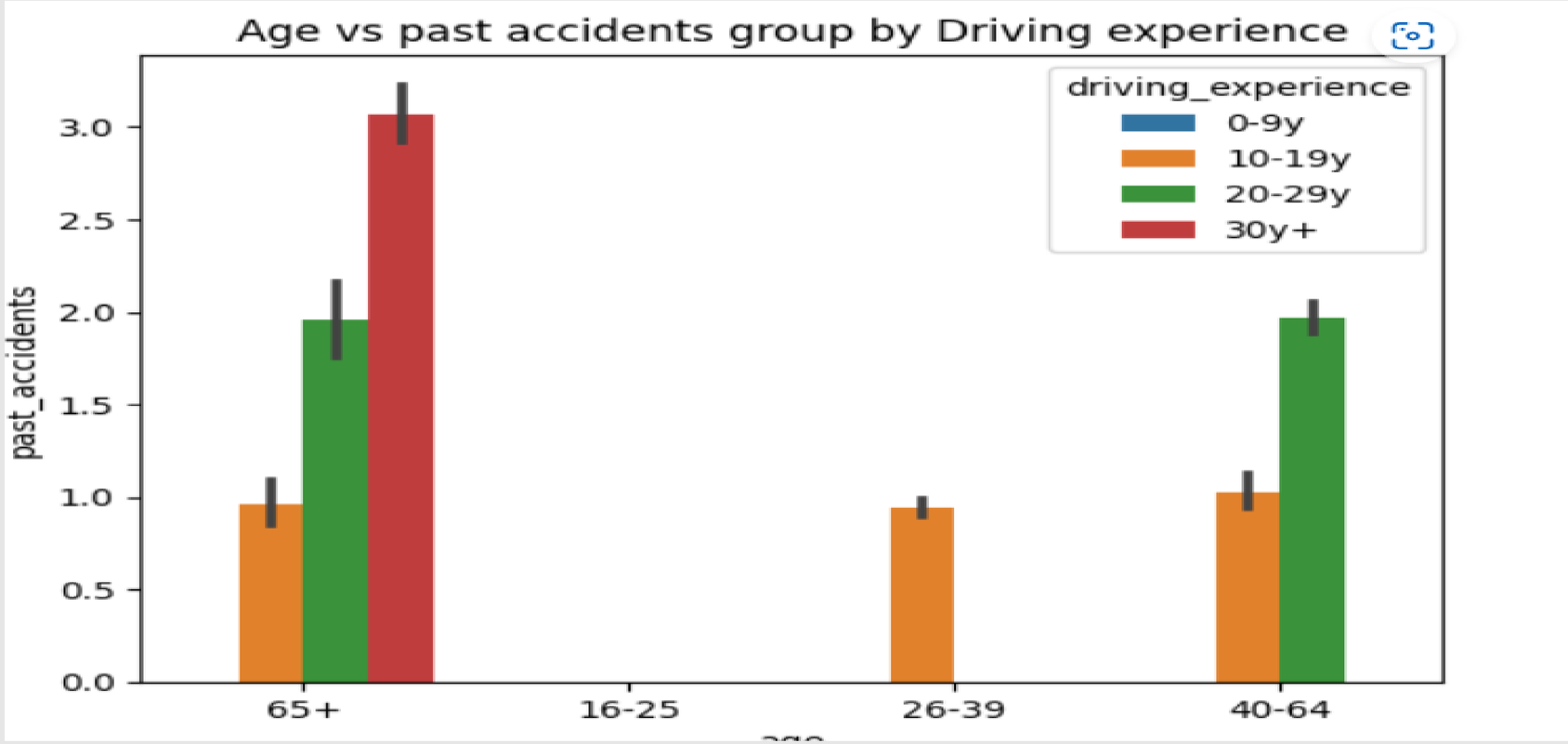
Visuals

04

Age vs Speeding violations



Age vs past accidents



Machine learning models

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Machine learning models

- K-Nearest Neighbors
- Tuned K-Nearest Neighbors
- Logistic Regression
- Tuned Logistic Regression
- Decision Tree Classifier
- Random Forest
- Sequential

Strengths/Limitations

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Limitations

- We had to run an irritative model for us to get the best results

Strengths

- The last model of sequential was underfitting which was the best model

Recommendations 07

Recommendations

The model will identify 95% of customers who took look based their years of driving experiences and age. It is useful in identifying customers behavior based on their age, driving experience and past accident.

Thank you.