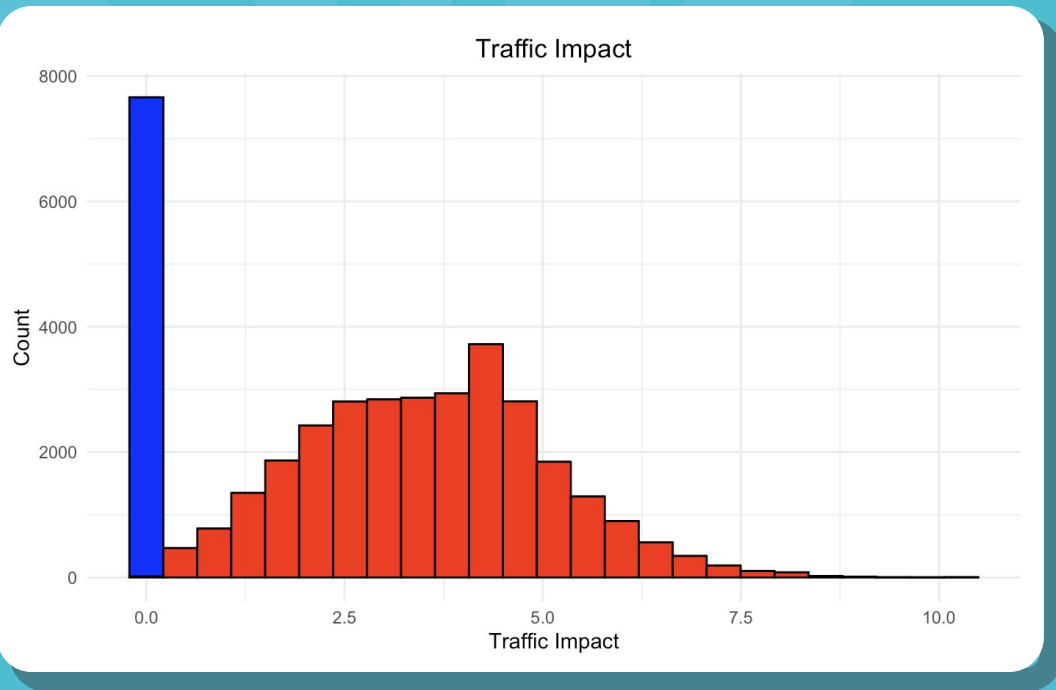
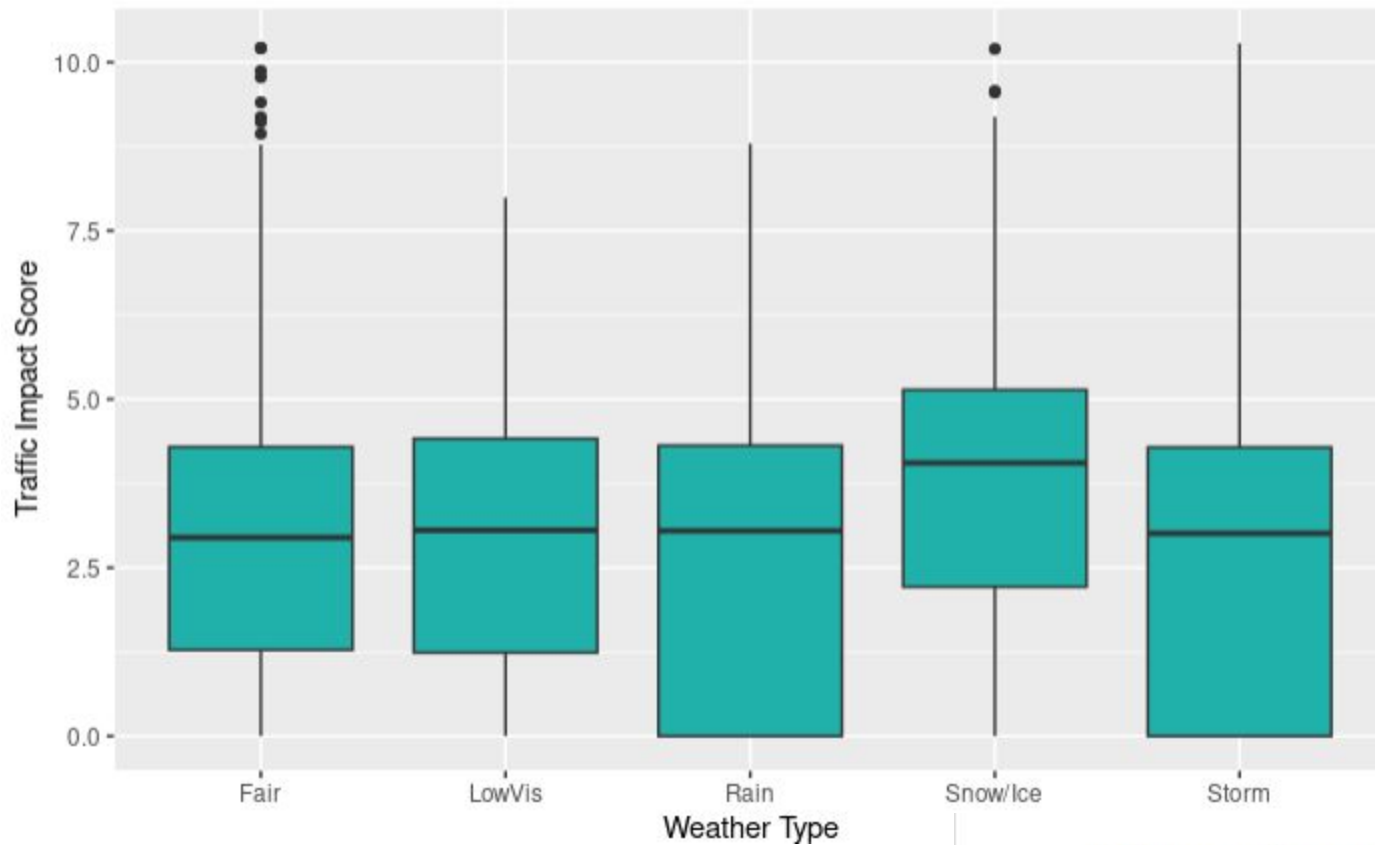


Traffic Impact of Car Crashes

By .gif or .gif



$$\log(\text{distance} \cdot \text{time} + 1)$$

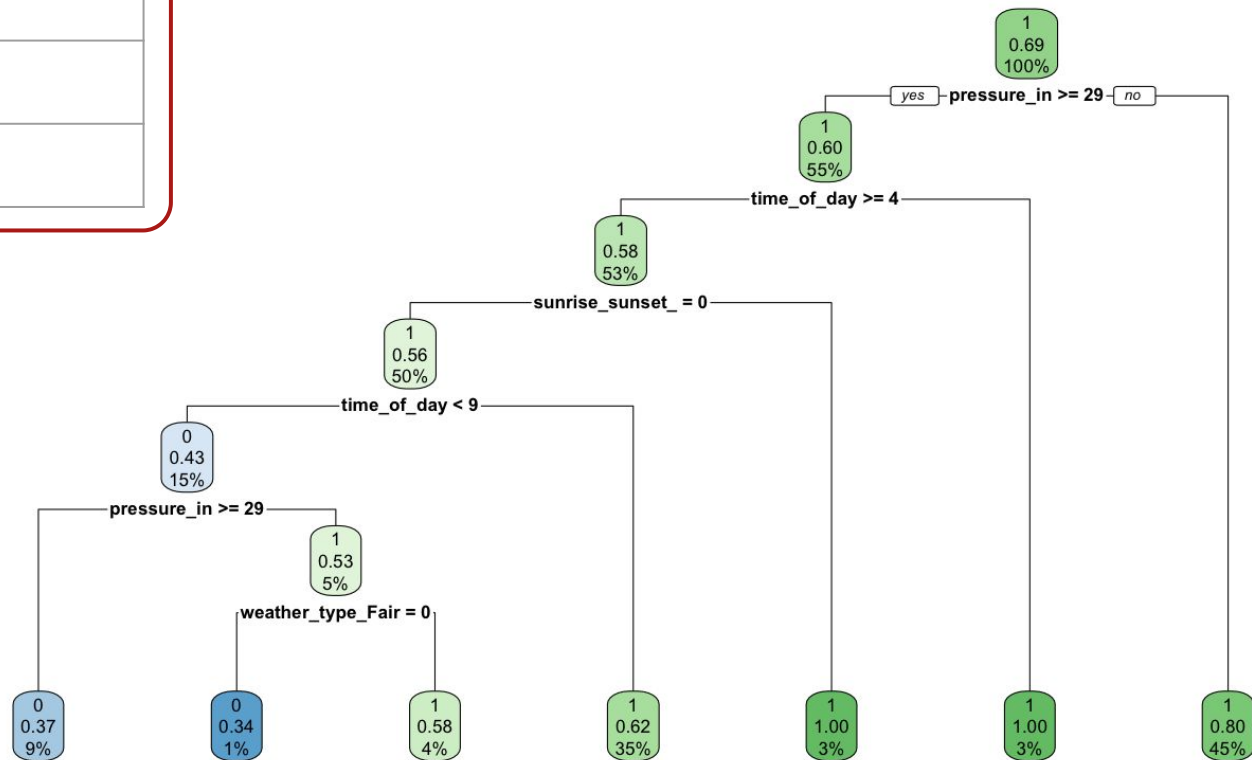


Welch Two Sample t-test

```
data: snow.impact and not.snow.impact  
t = 19.888, df = 3177.8, p-value < 2.2e-16  
alternative hypothesis: true difference in means is greater than 0
```

Model	CART (categorical)
Accuracy	0.8151
Sensitivity	0.9142
Specificity	0.2192
AUC (roc)	0.6328

Decision Tree: Does a Crash Cause an Impact on Traffic



Model	CART (regression)
RMSE (test)	1.319594
RMSE (train)	1.577658
Correlation	0.4676386

Regression Tree: Predicting the severity of Traffic Impact

