**Cincinnati Car Crash Analysis 1.0 – Documentation**

***extract*** *->* ***clean*** *->* ***transform*** *->* ***load*** *->* ***analyze*** *->* ***visualize***

Description

A report of Cincinnati, Ohio car crashes since 2010. This dataset includes fatal, injury, and non-injury crashes. In compliance with privacy laws, all Public Safety datasets are anonymized. Analysis performed in R.

Questions

Which neighborhood has the most crashes?

What type of vehicle gets into crashes most frequently?

What day of the week do most crashes happen?

What month do most crashes happen?

What year did the most crashes happen?

What is the correlation between weather changes and crashes?

What time of day and what day is it most likely for a crash to occur

Analysis

From my analysis I found that the most crashes occurred:

Hour: **5:00**

Day: **Friday**

Month: **October**

Year: **2016**

Neighborhood: **Westwood**

Car Type: **Mid-size**

Manner: **Rear-end**

Road conditions: **Dry**

Weather: **Clear**

Next Steps

Correlation

Clustering

Sources

<https://www.kaggle.com/datasets/steverusso/cincinnati-car-crash-data>

Data

Chart, bar chart

Description automatically generated

A picture containing icon

Description automatically generated

Chart

Description automatically generated with low confidenceChart

Description automatically generatedChart

Description automatically generatedChart, waterfall chart

Description automatically generated

Chart, bar chart

Description automatically generated

Text

Description automatically generated with medium confidenceChart

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