

# Project Introduction

Vehicle Insurance claim Data Analysis using Python libraries

## Objective

The objective of this project is to analyze historical data related to Vehicle Insurance claim to uncover patterns, trends and factors influencing claim amount such as vehicle claim, injury claim, property claim and incident cities, severities, types. Identify insured male, female based on age, investigate correlations between claim amount and age based on genders. And provide valuable data-driven insights for informed decision-making.

## Tools & Technologies

Programming	: Python, SQL
Data Analysis	: Numpy
Data Cleaning	: Pandas, Excel
Statistical Analysis	: Five number summary, hypothesis testing
Data Visualization	: Seaborn, Matplotlib, Tableau, PowerBI

## Conclusion

In conclusion, the Vehicle Insurance Claim Data Analysis project has provided actionable insights that can drive strategic decision-making and operational improvements within the insurance industry, ultimately leading to better risk management practices, increased profitability, and enhanced customer experiences.