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DVT Project

Tableau

**Business Context**

We are all aware that accidents are prone everywhere due to negligent driving or climatic conditions. An insurance company always needs to be prepared to estimate the number of accidents and the claims that they can receive at a given point time. Also understanding the pattern of claims would help the companies to frame different types of policies for the users providing better benefits and at the same time increasing the premium to the company.

**Problem Statement:**

Consider that you are a Lead Data Analyst at an Insurance Claims company that has provided you with the Car Insurance Claims dataset. You have been given a task to explore the data, create different plots and interpret useful insights/findings. Your end goal here will be to create a storyboard that you have to present to the Senior Management and the story has to have an end objective and should follow a logical flow to display that you are heading towards achieving the end objective. This will help the Senior Management in taking some decisive actions on the current claims system in place. This storyboard will be an open-ended story for you to explore various different features in the data and try to showcase different plots. Make sure to have minimum clutter in the plots, follow a consistent color scheme across all the plots, and use proper colors to highlight a specific insight. Moreover, your plots on all the dashboards should be interactive and responsive. There should be 1 dashboard that should cover the summary of the story as well as your recommendations.

**Data Dictionary:**

|  |  |
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| Assumption | Car Owner and Driver are same Amounts are in Dollars ($) |
| ID | Identification Variable |
| KIDSDRIV | Number of teenagers among the car owner's children who can drive a car. |
| BIRTH | Date of birth of the driver |
| HOMEKIDS | No of childern the car owner has |
| YOJ | Years on Job. How many years has the owner of the car been working? |
| INCOME | Income of the driver |
| PARENT1 | Is the car owner a Single Parent |
| HOME\_VAL | Value of the house owned by the car owner |
| MSTATUS | Marital status of the car owner |
| GENDER | Gender of the driver |
| EDUCATION | Maximum Education level of the driver |
| OCCUPATION | Occupation of the driver |
| TRAVTIME | Time taken to get to work on an average |
| CAR\_USE | Purpose of using the car |
| BLUEBOOK | What is the worth of the car. Value of the Vehicle(in dollars) |
| CAR\_TYPE | Car type |
| OLDCLAIM | Total claim (in past 5 years - in dollars) |
| CLM\_FREQ | Number of claims (in past 5 years) |
| CLM\_AMT | If car was in a crash, what is the currently claimed amount(in dollars) |
| CAR\_AGE | Age of car |
| URBANICITY | Where the car is being driven primarily |

**Tableau Project link**

<https://public.tableau.com/app/profile/hritika.vaishnav/viz/DVTProjectHritikaVaishnav/Story1>