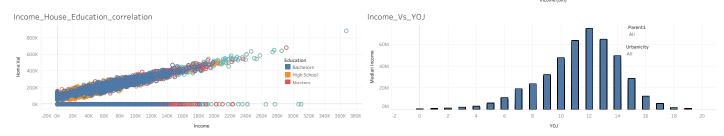
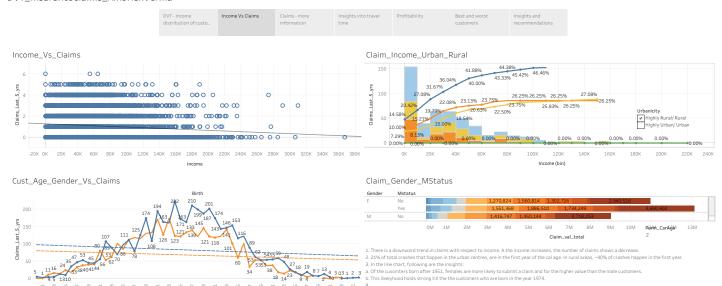
DVT - Income	Income Vs Claims	Claims - more	Insights into travel	Profitability	Best and worst	Insights and
distribution of custo		information	time		customers	recommendations

Data Visualization Project using Tableau: Analyze the car insurance claims dataset that are submitted to the company and provide the insights.

- 1. This dashboard shows the income level of the customers of the insurance company.
 2. The income of the customers is normally distributed and is skewed towards right.
 3. Both the genders are almost fairly spread over the income range available in the data set.
 4. Education level of the customers split into 4 categories provides following insights:
 a. Customers having PhD degrees have better income level than the rest.
 b. High school graduates and bachelors are more concentrated towards the income range of 0-100K.
 5. Median income versus Versor on Job follow a normal distribution, skewed towards left.
 a. The income generally reaches a peak at around 12 years in the job.
 b. Overall, the number of individuals working in the urban centres vastly outnumber those in the rural areas.



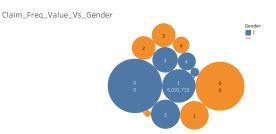
${\sf DVT_InsuranceClaims_AmbrishVerma}$

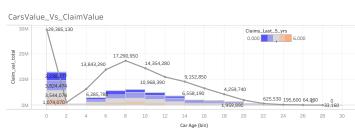


${\tt DVT_InsuranceClaims_AmbrishVerma}$











- 1. SUV cars are used primarily for personal use whereas Panel Truck are used only for commercial purposes.
 2. Insurance claims are mostly submitted for sports car and SUV if it is for personal use and for panel truck and pickup truck.
 3. The claims by formales are more than males for every claim that is submitted by 20%-40%.
 4. The ratio of Total Car value to Total claims submitted is 2.5 times in the first year. It drops sharply in the next year before starting to increase again.

${\sf DVT_InsuranceClaims_AmbrishVerma}$

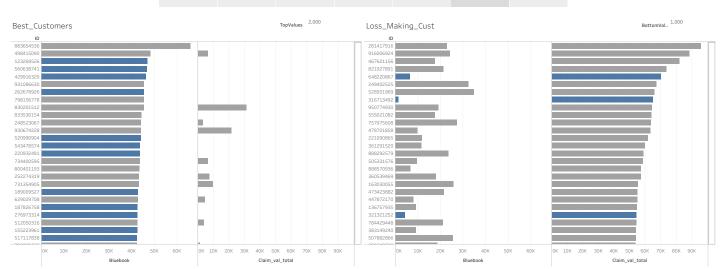


${\sf DVT_InsuranceClaims_AmbrishVerma}$



${\tt DVT_InsuranceClaims_AmbrishVerma}$

DVT - Income Income Vs Claims Claims - more Insights into travel Profitability Best and worst Insights and distribution of custo... Insights and time customers recommendations



${\tt DVT_InsuranceClaims_AmbrishVerma}$

DVT - Income	Income Vs Claims	Claims - more	Insights into travel	Profitability	Best and worst	Insights and
distribution of custo		information	time		customers	recommendations

Insights summary:

- 1. The Income range of the customers have an impact of the claims that are submitted. After the income of ~200K, the number of claims start to decrease per customer along with the value of the claim.
- 2. The number of claims and the amount of claims also decrease if there are kids in the house.

 2. The number of claims and the amount of claims also decrease if there are kids in the house.

 3. If the individual does not own a house, then the chances of a claim being submitted in the future is higher.

 4. The first 5-10 minutes of the travel time are the most susceptible for crashes. Long drives tend to be safer.

 5. The number of claims before the car turns 2 is significantly higher than any other year for the car.

Recommendations:

- 1. Increase the insurance premium for the customer who use the car for shorter commutes. 2. If the customer has kids, there is a better chance of crash not happening.

- 3. If the customer owns a house, he/she can be incentivized.
 4. In the Rural area, the numebr of claims submitted in the last 5 years is much lesser in proportion to the corresponding number of claims in urban centres. Hence, rhe rural customers can be incentivized as long as they are using the cars for longer commutes(more than 10 min).

 5. An awareness campaign educating the drivers of the probability of crashes in the initial 5-10 minutes may help reduce the number of crashes.
- 6. The more highly educated the customer, the lesser chances of him/her undergoing a crash(both in Urban and Rural centres). Hence, such customers should be incentivized. 7. Insurance for loss making customers should be increased and for profit making ones should be discounted.