# URL: -

<https://public.tableau.com/views/CarClaimsforinsurance-Jaigururam/Story1?:language=en-US&:sid=&:redirect=auth&:display_count=n&:origin=viz_share_link>

# Calculated Fields:

1. Driver Age
   1. Formula: DATEDIFF('year', [BIRTH], TODAY())
   2. Purpose: Help to identifies age category of drivers who may be at higher risk, enabling age-based assessment.
2. Claim to income ratio
   1. Formula: SUM([CLM\_AMT]) / SUM([INCOME])
   2. Purpose: This ratio helps determine the financial impact of claims relative to driver income, allowing identification of drivers for whom claim costs represent a significant burden.
3. Claim Frequency Indicator
   1. Formula: IF [CLM\_FREQ] > 1 THEN 'Frequent' ELSE 'Occasional' END
   2. Purpose: This indicator identifies customers with high claims frequency, aiding in targeting or risk assessment.
4. Driver Experience Level
   1. Formula: IF [YOJ] < 5 THEN 'Low Experience' ELSEIF [YOJ] >= 5 AND [YOJ] <= 15 THEN 'Moderate Experience' ELSE 'High Experience' END
   2. Purpose: Categorizes drivers based on years on the job (YOJ), as experience could correlate with claim behavior and claim frequency.
5. Assets Risk Index
   1. Formula: (([BLUEBOOK] / [HOME\_VAL]) \* 100) \* (1 + ([CLM\_FREQ] \* 0.1))
   2. Purpose: The Asset Risk Index can help assess risk exposure and inform decisions regarding insurance coverage and risk management strategies.
6. Vehicle Risk Level
   1. Formula: IF [Car Age] > 10 AND [Clm Freq] >= 2 THEN 'High Risk' ELSEIF [Car Age] > 5 AND [Clm Freq] >= 1 THEN 'Moderate Risk' ELSE 'Low Risk' END
   2. Purpose: The formula provides valuable insights into the risk associated with each vehicle based on its age and claim frequency. Using this categorizing organizations can make data-driven decisions regarding insurance coverage and safety initiatives.

# Data Cleaning:

I had made a change in data, there was value as '-3' in column name 'car\_age' and it had value as '3' in column 'clm\_freq'. So, as per my logic i think that car\_age will '3' (positive) as it can typing mistake and customer had claim frequency as '3'.