# Assignment 1

An insurance company has collected data over the past 1 years. You have been appointedto perform the following analytics on the Data

1. Append both the datasets in a single python variable as premium data.

2. Calculate the Number of New Business Issue in the column Transaction Type.

3. Which Zone and Branch have the best sales record depending on the Gross Premium Written?

4. Calculate the Total Commission Paid for each Policy Type and sales channel name? For which Policy Type and sales channel is the Rate of Commission the highest? [Rate of Commission is defined as TotalCommission Paid / Total GWP]

5. What is the Total Sum Insured under written in each of the month? Present this as a line graph.

6. Premium Ratio is calculated as the Total Premium/LIB_SI. Add a column to the dataset called prem_ratio with the above calculation. Which Policy Number has the highest premium ratio. Also print the Policy type, Sales Channel, Branch Name, Zone Name and the STATENAME for the same policy as the output.

7. The company wishes to discontinue the Accident Insurance policies. Which Branch will be the most affected based on the Gross Written premium of that policy? By how much percentage would the Total GWP written decrease at the branch?