

## Module 3: Assignment 2 – Bins Attribute

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### Problem Statement:

Sam is using histograms for data visualization. He wants to create histograms with more number of bins. Thus, he lists down the tasks to add more bins to the histogram using 'bins' attribute for customer churn and pharmacovigilance dataset.

### Tasks to be performed:

1. Create a histogram for 'Age' column using pharmacovigilance dataset:
    - a. Set number of bins to 100.
    - b. Assign as color 'azure' to the histogram.
    - c. Assign a color 'white' to the 'fill' attribute in geom\_histogram function.
  2. Create a histogram for 'Patient ID' using pharmacovigilance dataset:
    - a. Assign a color 'wheat3' to the plot.
    - b. Set number of bins to 50.
    - c. Assign a color 'black' to the 'fill' attribute in geom\_histogram function.
  3. Create a histogram using customer churn dataset:
    - a. Assign 'MonthlyCharges' column to the x-axis.
    - b. Set the number of bins to 80.
    - c. Assign a color 'violet' to the bars.
    - d. Assign a color 'white' to the 'fill' attribute in geom\_histogram function.
  4. Create a histogram using customer churn data:
    - a. Assign 'tenure' column to the x-axis.
    - b. Set the number of bins to 50.
    - c. Assign a color 'white' to the bars.
    - d. Assign a color 'black' to the 'fill' attribute in geom\_histogram function.
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