**DEEPIKA RATHORE DV&BI TABLEAU MICROPROJECT**

1. **Total number of employees:-**

* Import the dataset into Tableau.
* Double click on the "Employee count"
* The value Employee count is 1470.

1. Attrition Rate Percentage tabular visualization:-

* Create a calculated field for Attrition Rate Percentage using the formula:

(COUNT ([Attrition]) / Employee count )\* 100

* Drag the "Attrition" field to the Columns shelf.
* Drag the calculated field "Attrition Rate Percentage" to the Rows shelf.
* Change the chart type to "Table" to display the attrition rate as a percentage.
* The value of Attrition Rate is **16.12%**

1. **Average Monthly Income:-**

* Drag the "Monthly Income" field to the Rows shelf.
* Right-click on the "Monthly Income" pill and select "Measure" > "Average" to get the average monthly income
* The Average Monthly Income is **6503**

1. **Average Job Satisfaction:-**

* Drag the "Job Satisfaction" field to the Rows shelf.
* Right-click on the "Job Satisfaction" pill and select "Measure" > "Average" to get the average job satisfaction.
* The Average Job Satisfaction is **3**

1. **Employee count based on Job Satisfaction level:-**

* Double click on the "Job Satisfaction" field.
* Double click on the "Employee Count" field.
* Double click on the “Job Level” field.
* Change the chart type to "Bar" to visualize the count of employees based on different levels of job satisfaction.

1. **Employee Count Based on Job Satisfaction Level with Attrition Rates:-**

* Drag the "Job Satisfaction" field to the Columns shelf.
* Drag the "Employee Count" field to the Rows shelf to get the count of employees.
* Drag the "Attrition" field to the Colour shelf to differentiate between attrition and non-attrition.
* Apply the visualization type to a bar chart.

1. **Attrition Rate Based on Gender:-**

* Drag the "Gender" field to the Columns shelf.
* Drag the "Attrition" field to the Rows shelf.
* Change the chart type to a bar chart.
* This visualization will show the attrition rates for each gender.

1. **Count of Employees and Experience in Years at Current Role with Attrition Filter:-**

* Drag the "Years In Current Role" field to the Columns shelf.
* Drag the "Employee count" field to the Rows shelf to get the count of employees.
* Apply a filter on the "Attrition" field to only include attrition cases.
* Adjust the visualization type to a pie chart.

1. **Categorizing Attrition Based on Age with Age Brackets:-**

* Create a calculated field to categorize employees into age brackets. For example:

IF [Age] >= 25 AND [Age] <= 35 THEN '25-35'

ELSEIF [Age] > 35 AND [Age] <= 45 THEN '35-45'

ELSEIF [Age] > 45 AND [Age] <= 60 THEN '45-60'

ELSE '60 and above'

END

* Drag the calculated field to the Rows shelf.
* Drag the "Attrition" field to the Columns shelf to see attrition counts.
* Adjust the visualization type to a bar chart or any other suitable chart type.
* This visualization will categorize attrition based on age brackets.