**Employee Attrition Analysis Tasks**

1. Data Exploration and Cleaning

- Load Data: Import the dataset into Tableau.

- Understand Data: Review the dataset's fields and data types.

- Clean Data: Handle any missing values or data inconsistencies.

2. Descriptive Statistics

- Summary Statistics: Calculate summary statistics (mean, median, mode) for numerical fields like Age, Monthly Income, etc.

- Distribution Analysis: Plot histograms for key fields to understand their distribution.

3. Attrition by Demographics

- Attrition by Age: Create a bar chart to show the number of employees leaving by age group.

- Attrition by Gender: Create a pie chart to show the percentage of attrition by gender.

- Attrition by Education: Create a bar chart to show attrition rates by education level.

4. Attrition by Job Role

- Attrition by Department: Create a bar chart to show the number of employees leaving by department.

- Attrition by Job Role: Create a bar chart to show the number of employees leaving by job role.

5. Attrition by Performance

- Attrition by Performance Rating: Create a bar chart to show attrition rates by performance rating.

- Attrition by Job Satisfaction: Create a bar chart to show attrition rates by job satisfaction levels.

6. Attrition by Work Environment

- Attrition by Work-Life Balance: Create a bar chart to show attrition rates by work-life balance rating.

- Attrition by Overtime: Create a bar chart to compare attrition rates between employees who do and do not work overtime.

7. Attrition Over Time

- Trend Analysis: Create a line chart to show the trend of employee attrition over the years.

8. Interactive Filters

- Filter by Department: Add a filter to allow users to view data for specific departments.

- Filter by Job Role: Add a filter to allow users to view data for specific job roles.

- Filter by Age Group: Add a filter to allow users to view data for specific age groups.

9. Dashboard Creation

- Design Layout: Arrange the visualizations on a single dashboard for a comprehensive view.

- Add Interactivity: Ensure that filters and interactions work as intended.

10. Insights and Recommendations

- Identify Trends: Analyze the visualizations to identify key trends and insights.

- Provide Recommendations: Based on the analysis, provide recommendations to reduce employee attrition.