Analysis Questions

First Categoty
Employee Demographics & Salary Analysis
1.1 Calculate and display the total number of employees
1.2 Count unique employees by gender
1.3 Count unique employees by department
1.4 Count unique employees by gender within each department
1.5 Count unique employees by education level
1.6 Count unique employees by job role
2. How does the average salary vary by education level?
3. Calculate the average salary by job role for unique employees
4. What is the salary distribution based on years of experience?
5. Calculate the average salary by department for unique employees

Second Categoty
Employee Satisfaction & Engagement
6. What is the average satisfaction level across different job roles?
7. Calculate average salary by satisfaction level for unique employees
8. Do employees with higher education levels report higher satisfaction?
9. Which departments have the most satisfied and least satisfied employees?
10. Does job role impact satisfaction level? Only Plot without coding

Third Category
Attrition & Turnover Analysis
11. What is the overall employee attrition rate?
12. Which department has the highest employee turnover?
13. Is there a connection between satisfaction level and attrition?
14. Do employees with higher education levels have lower attrition rates?
15. How does tenure (years at company) impact attrition?

Fourth Category
Promotion & Career Growth
16. How long does it take on average, for employees to receive a promotion?
17. Is there a correlation between education level and promotion frequency?
18. Which departments promote employees the fastest and the slowest?
19. What percentage of satisfied employees receive promotions?
20. Does gender impact promotion opportunities?

Additional Questions
21. Calculate the total salary of all employees
22. Calculate total salary distribution by department
23. Calculate the number of employees hired in each year
24. Calculate the Number of Embployees based on BusinessTravel and Attrition
25. Calculate the Number of Employees based on OverTime and Attrition
26.1 Define the age ranges of Employees
26.2 Find the minimum and maximum age of employees
26.3 Find the age group with the most employees
27. Calculate the correlation between ManagerRating and JobSatisfaction to assess employee performance
28. Count employees hired per year and Count employees who left (attrition) by each department
29. What is the most common reason for employee turnover

Forecasting Questions

1. Predict attrition for the next 3 years
2. Predict Salary Growth Projection for next 3 years
3. Predection workforce in 3 years by Department, Age Group & Education Level