

SQL Test Document - HR Analytics

Project Overview

- **Client Name:** Data Tutorials
- **Report Name:** HR Analytics Dashboard
- **Developer Name:** Maeghasree
- **Tester Name:** Maeghasree
- **Project Manager:** HR Analytics
- **Development Tool:** Tableau Desktop

Test Results

Test No.	Sheet Name	Query	Test Result	QA Remark
1	KPI - Employee Count	SELECT SUM(employee_count) AS Employee_Count FROM hrdata;	Pass	Exact match
2	KPI - Attrition Count	SELECT COUNT(attrition) FROM hrdata WHERE attrition='Yes';	Pass	Exact match
3	KPI - Attrition Rate	SELECT ROUND(((SELECT COUNT(attrition) FROM hrdata WHERE attrition='Yes') / SUM(employee_count)) * 100, 2) FROM hrdata;	Pass	Exact match
4	KPI - Active Employee	SELECT SUM(employee_count) - (SELECT COUNT(attrition) FROM hrdata WHERE attrition='Yes') FROM hrdata;	Pass	Exact match
5	KPI - Average Age	SELECT ROUND(AVG(age), 0) FROM hrdata;	Pass	Exact match
6	Attrition by Gender	SELECT gender, COUNT(attrition) AS attrition_count FROM hrdata WHERE attrition='Yes' GROUP BY gender ORDER BY COUNT(attrition) DESC;	Pass	Exact match
7	Department wise Attrition	SELECT department, COUNT(attrition), ROUND((CAST(COUNT(attrition) AS NUMERIC) / (SELECT COUNT(attrition) FROM hrdata WHERE attrition='Yes')) * 100, 2) AS pct FROM hrdata WHERE attrition='Yes' GROUP BY department ORDER BY COUNT(attrition) DESC;	Pass	Exact match
8	No of Employee by Age Group	SELECT age, SUM(employee_count) AS employee_count FROM hrdata GROUP BY age ORDER BY age;	Pass	Exact match
9	Education Field wise Attrition	SELECT education_field, COUNT(attrition) AS attrition_count FROM hrdata WHERE attrition='Yes' GROUP BY education_field ORDER BY COUNT(attrition) DESC;	Pass	Exact match
10	Attrition Rate by Gender for different Age group	SELECT age_band, gender, COUNT(attrition) AS attrition, ROUND((CAST(COUNT(attrition) AS NUMERIC) / (SELECT COUNT(attrition) FROM hrdata WHERE attrition='Yes')) * 100, 2) AS pct FROM hrdata WHERE attrition='Yes' GROUP BY age_band, gender ORDER BY age_band DESC;	Pass	Exact match
11	Job Satisfaction Rating	SELECT * FROM crosstab('SELECT job_role, job_satisfaction, SUM(employee_count) FROM hrdata GROUP BY job_role, job_satisfaction ORDER BY job_role, job_satisfaction') AS ct(job_role VARCHAR(50), one NUMERIC, two NUMERIC, three NUMERIC, four NUMERIC) ORDER BY job_role;	Pass	Exact match

Summary

- **Total Tests:** 11
- **Pass:** 11
- **Fail:** 0
- **Blocked:** 0
- **Not Executed:** 0