

TEST DOCUMENT

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| Report Name | Employee Attrition & Workforce Analytics |
| Development Tool | Power BI |

| 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 Employees | select sum(hr.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' | Pass | Exact match |

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|----|--|---|------|-------------|
| | | group by gender order by count(attrition) desc; | | |
| 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 Groups | select age_band, gender, sum(employee_count) from hrdata group by age_band, gender order by age_band, gender desc | 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 Groups | select age_band, gender, count(attrition) as attrition, | Pass | Exact match |

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|----|-------------------------|--|------|-------------|
| | | <pre>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;</pre> | | |
| 11 | Job Satisfaction Rating | <pre>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;</pre> | Pass | Exact match |

Test Results:

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|---------------------|----|
| Total Tests | 11 |
| Pass | 11 |
| Fail | 0 |
| Blocked | 0 |
| Not Executed | 0 |