

## Test Document

Report Name	Employee Attrition & Workforce Analytics
Development Tool	Tableau Public

Test No.	Sheet Name	Query	Test Result	QA Remark
1	KPI - Employee Count	select sum(employee_count) as Employee_Count from hrdata;	Pass	<i>Exact match</i>
2	KPI - Attrition Count	select count(attrition) from hrdata where attrition='Yes';	Pass	<i>Exact match</i>
3	KPI - Attrition Rate	select round (((select count(attrition) from hrdata where attrition='Yes')/ sum(employee_count)) * 100,2) from hrdata;	Pass	<i>Exact match</i>
4	KPI - Active Employee	select sum(employee_count) - (select count(attrition) from hrdata where attrition='Yes') from hrdata;	Pass	<i>Exact match</i>
5	KPI - Average Age	select round(avg(age),0) from hrdata;	Pass	<i>Exact match</i>
6	Attrition by Gender	select gender, count(attrition) as attrition_count from hrdata where attrition='Yes'	Pass	<i>Exact match</i>

		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	<i>Exact match</i>
8	No of Employee by Age Group	SELECT age, sum(employee_count) AS employee_count FROM hrdata GROUP BY age order by age;	Pass	<i>Exact match</i>
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	<i>Exact match</i>
10	Attrition Rate by Gender for Different Age Groups	select age_band, gender, count(attrition) as attrition,	Pass	<i>Exact match</i>

		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;		
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	<i>Exact match</i>

**Test Results:**

<b>Total Tests</b>	11
<b>Pass</b>	11
<b>Fail</b>	0
<b>Blocked</b>	0
<b>Not Executed</b>	0