**//TEST DOCUMENT**

|  |  |
| --- | --- |
| **Client Name** |  |
| **Report Name** | Human Resource Analysis Dashboard |
| **Developer Name** | Rahul Shimpi |
| **Tester Name** |  |
| **Project Manager** |  |
| **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 in percentage | 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(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) from hrdata  where attrition ='Yes'  group by gender  order by count(attrition) desc | Pass | Exact match |
| 7 | Department wise Attrition (Pie chart) | select department, count(attrition) from hrdata where attrition= 'Yes'  group by department  order by count(attrition) desc | Pass | Exact Match |
| 8 | Department wise Attrition in percentage | 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 |
| 9 | No of employee by age groups (Stacked column chart) | select age\_band, gender, sum(employee\_count) from hrdata  group by age\_band, gender  order by age\_band, gender | Pass | Exact match |
| 10 | creation of crosstab function | create extension if not exists tablefunc | Pass | Exact Match |
| 12 | Job satisfaction rating in table format | Select \* from crosstab( ‘Select job\_role, job\_satisfation, sum(employee\_count) FROM hrdata GROUP BY job\_role, job\_satisfation ORDER BY job\_role, job\_satisfation') as ct(job\_role varchar(50), one numeric, two numeric, three numeric, four numeric)  ORDER BY job\_role; | Pass | Exact Match |
| 13 | Education Field wise Attrition (Stacked Bar Chart) | Select education\_field, count(attrition) from hrdata  where attrition = 'Yes'  group by education\_field  order by count(attrition) desc | Pass | Exact match |
| 14 | age wise employee count group by | select age, sum(employee\_count) from hrdata  group by age  order by age | Pass | Exact Match |
| 15 | Attrition Rate by Gender for Different Age Groups with percentage(5 Donut charts) | Select age\_band, gender, 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 age\_band, gender  order by age\_band, gender | Pass | Exact match |

**Test Result:**

|  |  |
| --- | --- |
| **Total Tests** | 15 |
| **Pass** | 15 |
| **Fail** | 00 |
| **Blocked** | 00 |
| **Not Executed** | 00 |