**TEST DOCUMENT**

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| **Report Name** | HR Analytics Dashboard |
| **Developer Name** | **Bhisham Sharma** |
| **Tester Name** | **Bhisham Sharma** |
| **Purpose** | Personal Project |
| **Development Tool** | **Power BI** |

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| **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') as active\_employee  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\_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 group | select gender,age\_band,count(attrition)as attrition from hrdata  where attrition = 'Yes'  group by age\_band,gender  order by age\_band,gender asc; | 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 |

**Test Result:**

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| **Total Tests** | 11 |
| **Pass** | 10 |
| **Fail** | 00 |
| **Blocked** | 00 |
| **Not Executed** | 01 |

**Test Proof:**

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| --- | --- | --- | --- |
| **Test no.** | **Sheet Name** | **SQL Query** | **Screenshot** |
|  |  |  |  |
| 1. | KPI- Employee Count | select sum(employee\_count) as Employee\_Count from hrdata; |  |
| 2. | KPI- Attrition Count | select count(attrition) from hrdata where attrition='Yes'; |  |
| 3. | KPI- Attrition Rate | select  round (((select count(attrition) from hrdata where attrition='Yes')/  sum(employee\_count)) \* 100,2)  from hrdata; |  |
| 4. | KPI- Active Employee | select  sum(employee\_count)-(select count(attrition)  from hrdata where attrition ='Yes') as active\_employee  from hrdata |  |
| 5. | KPI- Average Age | select round(avg(age),2) from hrdata; |  |
| 6. | Attrition by Gender | select gender, count(attrition) as attrition\_count from hrdata  where attrition='Yes'  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; |  |
| 8. | No of Employee by Age Group | select age\_band, gender, sum(employee\_count) from hrdata  group by age\_band, gender  order by age\_band, gender desc |  |
| 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; |  |
| 10. | Attrition by Gender for different Age group | select gender,age\_band,count(attrition)as attrition from hrdata  where attrition = 'Yes'  group by age\_band,gender  order by age\_band,gender asc; |  |