

Document Credentials

Client Name	Eniolubi's Portfolio
Report Name	HR Analytics Dashboard (Tableau)
Development Tool	Tableau Desktop and PostgresSQL (pgAdmin 4)

Total Tests	11	/
Tests Passed	11	
Tests Failed	0	

Table Creation

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Queries
Create Table Query
                                             create table hrdata
                                                        emp_no int8 PRIMARY KEY,
                                                        gender varchar(50) NOT NULL,
                                                        marital_status varchar(50),
                                                        age_band varchar(50),
                                                        age int8,
                                                        department varchar(50),
                                                        education varchar(50),
                                                        education_field varchar(50),
                                                        job_role varchar(50),
                                                        business_travel varchar(50),
                                                        employee_count int8,
                                                        attrition varchar(50),
                                                        attrition_label varchar(50),
                                                        job_satisfaction int8,
                                                        active_employee int8
Insert Data Query
                                             COPY hrdata FROM 'C:\~\hrdata.csv' DELIMITER ',' CSV HEADER;
```

KPI Sheet

Test No.	Sheet Name	Query	Test Result
1	Employee Count	select count(1) as employee_count from hrdata;	Pass
2	Attrition Count	<pre>select count(1) as attrition_count from hrdata where attrition = 'Yes';</pre>	Pass
3	Attrition Rate	<pre>select round(((select count(1) from hrdata where attrition = 'Yes') / sum(employee_count)) * 100, 2) from hrdata;</pre>	Pass
4	Active Employee	select count(1) from hrdata where attrition = 'No';	Pass
5	Average Age	<pre>select round(((sum(age)) / sum(employee_count))) from hrdata;</pre>	Pass

Query Sheet

′	Test No.	Sheet Name	Query	Test Result
,	6	Attrition by Gender	select gender, count(1) from hrdata where attrition = 'Yes' group by gender order by count(1) desc;	Pass
	7	Department wise Attrition	select department, count(1) as department_attrition, round((cast(count(attrition) as numeric) / (select count(1) from hrdata where attrition = 'Yes')) * 100, 2) as percentage_attrition from hrdata where attrition = 'Yes' group by department order by count(1) desc;	Pass
	8	No of Employee by Age Group	select age, sum(employee_count) as employee_count from hrdata group by age order by age asc;	Pass
	9	Education Field wise Attrition	select education_field, count(attrition) from hrdata where attrition = 'Yes' group by education_field order by count(1) desc;	Pass

Query Sheet

/	Test No.	Sheet Name	Query	Test Results
	10	Attrition Rate by Gender of different Age Group	select age_band, gender, count(attrition) as attrition, round((cast(count(attrition) as numeric) / (select count(1) from hrdata where attrition = 'Yes')) * 100, 2) as percentage_attrition from hrdata where attrition = 'Yes' group by age_band, gender order by age_band, gender desc;	Pass
	11	Job Satisfaction Rating	select job_satisfaction, job_role, count(attrition) from hrdata group by job_role, job_satisfaction order by job_role, job_satisfaction asc; Which can then be turned into: CREATE EXTENSION IF NOT EXISTS tablefunc; select * from crosstab(Pass