SQL Queries

1. Remove Useless Columns identified in analysis

```
ALTER TABLE [HR Data]
DROP COLUMN[Over18],[Standard_Hours], [Employee_Count];
```

2. Standardize Column Names

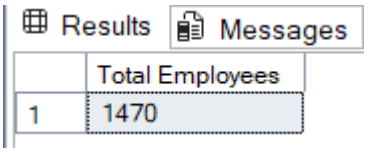
```
EXEC sp_rename '[HR Data].[emp_no]', 'EmployeeID', 'COLUMN';
EXEC sp_rename '[HR Data].[CF_age_band]', 'Age_Group', 'COLUMN';
```

3. Create a Clean View for Power BI

```
CREATE VIEW v_HR_Dashboard_Source AS
SELECT
    EmployeeID,
    CASE WHEN Attrition = 'Yes' THEN 1 ELSE 0 END AS Attrition_Flag,
    Attrition,
    Department,
    Job_Role,
    Gender,
    Age,
    Age_Group,
    Monthly_Income,
    Job_Satisfaction,
    Years_At_Company
FROM [HR Data];
```

Total Employees

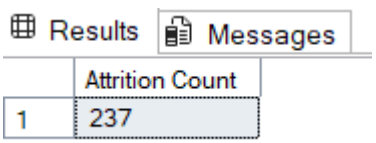
```
SELECT COUNT(*) AS [Total Employees] FROM v_HR_Dashboard_Source
```



	Total Employees
1	1470

Attrition Count

```
SELECT SUM(CASE WHEN Attrition='Yes' THEN 1 ELSE 0 END) AS [Attrition Count] FROM
v_HR_Dashboard_Source
```



	Attrition Count
1	237

Attrition Rate

```
SELECT CAST(SUM(CASE WHEN Attrition = 'Yes' THEN 1 ELSE 0 END) AS FLOAT)
    / CAST(COUNT(*) AS FLOAT) AS [Attrition Rate] FROM v_HR_Dashboard_Source
```

Results | Messages

	Attrition Rate
1	0.161224489795918

Active Employees

```
SELECT COUNT(*) - SUM(CASE WHEN Attrition = 'Yes' THEN 1 ELSE 0 END) AS [Active
Employees] FROM v_HR_Dashboard_Source
```

Results | Messages

	Active Employees
1	1233

Avg Age

```
SELECT AVG(Age) AS [Avg Age] FROM v_HR_Dashboard_Source
```

Results | Messages

	Avg Age
1	36

Avg Salary

```
SELECT AVG([Monthly_Income]) AS [Avg Salary] FROM v_HR_Dashboard_Source
```

Results | Messages

	Avg Salary
1	6502

Avg Job Satisfaction

```
SELECT AVG([Job_Satisfaction]) AS [Avg Job Satisfaction] FROM v_HR_Dashboard_Source
```

Results | Messages

	Avg Job Satisfaction
1	2