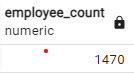
**HR DATA ANALYST QUERIES**

**KPI’s**

1. **Employee Count**

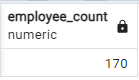
select sum(employee\_count) as employee\_count from hrdata



1. **Employee Count (Edu. - High School)**

select sum(employee\_count) as employee\_count from hrdata

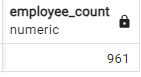
where education = 'High School'

****

1. **Employee Count (Dep. – R&D)**

select sum(employee\_count) as employee\_count from hrdata

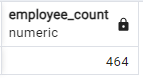
where department = 'R&D'



1. **Employee Count (Edu. - Medical)**

select sum(employee\_count) as employee\_count from hrdata

where education\_field = 'Medical'



1. **Attrition Count**

select count(attrition) as Attrition\_Count from hrdata



1. **Attrition Count (Yes)**

select count(attrition) as Attrition\_Count from hrdata

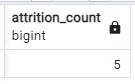
where attrition = 'Yes'



1. **Attrition Count (Yes & Doctoral Degree)**

select count(attrition) as Attrition\_Count from hrdata

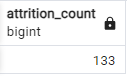
where attrition = 'Yes' and education = 'Doctoral Degree'



1. **Attrition Count (Yes & R&D)**

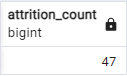
select count(attrition) as Attrition\_Count from hrdata

where attrition = 'Yes' and department = 'R&D'



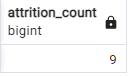
1. **Attrition Count (Y, R&D, Medical)**

select count(attrition) as Attrition\_Count from hrdata where attrition = 'Yes' and department = 'R&D' and education\_field = 'Medical'



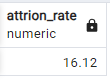
1. **Attrition Count (Y, R&D, Medical, High Scool)**

select count(attrition) as Attrition\_Count from hrdata where attrition = 'Yes' and department = 'R&D' and education\_field = 'Medical' and education = 'High School'



1. **Attrition Rate**

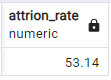
select round(((select count(attrition) from hrdata where attrition = 'Yes') / sum(employee\_count))\*100,2) as attrion\_rate from hrdata



1. **Attrition Rate**

select round(((select count(attrition) from hrdata where attrition = 'Yes' where department = 'Sales') /

sum(employee\_count))\*100,2) as attrion\_rate from hrdata where department = 'Sales'



1. **Active Employee**

Select sum(employee\_count) - (select count(attrition)from hrdata where attrition = 'Yes')

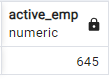
as active\_emp from hrdata



1. **Active Employee (Male)**

Select sum(employee\_count) - (select count(attrition)from hrdata where attrition = 'Yes')

as active\_emp from hrdata where gender = 'Male'



1. **Active Employee (Male)**

Select sum(employee\_count) - (select count(attrition)from hrdata where attrition = 'Yes' and gender = 'Male') as active\_emp from hrdata where gender = 'Male'



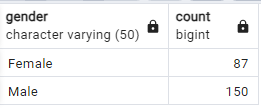
1. **Average Age**

select round(avg(age),0) as Avg\_age from hrdata

****

1. **Attrition By Gender**

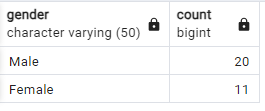
select gender, count(attrition) from hrdata where attrition = 'Yes' group by gender



1. **Attrition by High School**

select gender, count(attrition) from hrdata where attrition = 'Yes' and education = 'High School'

group by gender order by count(attrition) desc

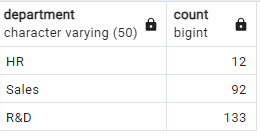


1. **Attrition by Department**

select department, count(attrition) from hrdata

where attrition = 'Yes'

group by department



1. **Attrition by Department**

select department, count(attrition),

round ((cast(count (attrition) as Numeric)

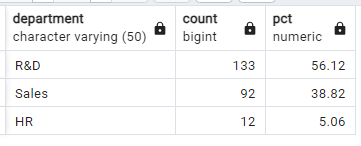
/ (select count(attrition) from hrdata where attrition = 'Yes' ))\*100,2) as pct

from hrdata

where attrition = 'Yes'

group by department

order by count(attrition) desc



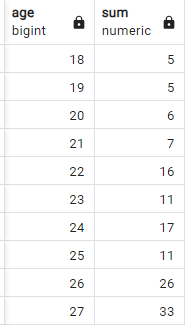
1. **No of Employee by age group**

select age, sum(employee\_count) from hrdata

where department = 'R&D'

group by age

order by age



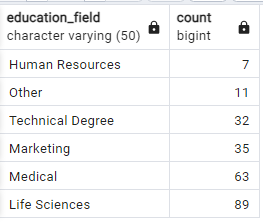
1. **Education field wise attrition**

select education\_field, count(attrition) from hrdata

where attrition = 'Yes'

group by education\_field

order by count(attrition)



1. **Attrition Rate by gender for different age group**

select age\_band, gender, count(attrition),

round((cast(count(attrition) as numeric) /

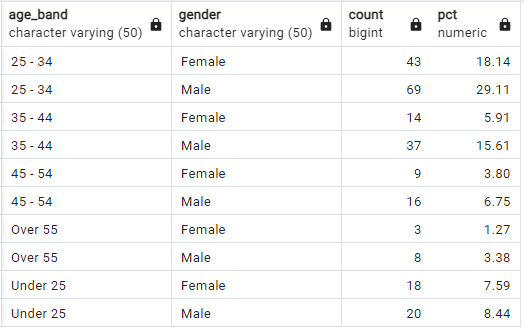
(select count(attrition) from hrdata where attrition = 'Yes'))\*100,2) as pct

from hrdata

where attrition = 'Yes'

group by age\_band, gender

order by age\_band, gender



1. **Job satisfaction rating**

**SELECT \* FROM**

**crosstab('SELECT job\_role, job\_satisfaction, sum(employee\_count)**

**FROM hrdata**

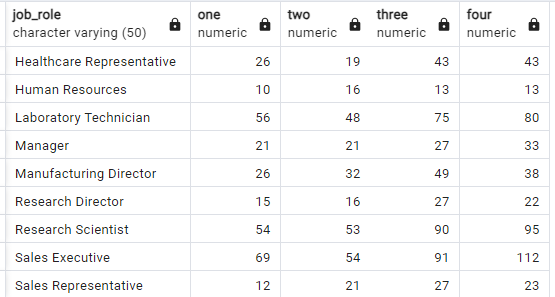
**GROUP BY job\_role, job\_satisfaction**

**ORDER BY job\_role, job\_satisfaction'**

**) AS ct(job\_role varchar(50), one numeric, two numeric, three numeric, four numeric)**

**ORDER BY job\_role;**

create extension if not exists tablefunc;



1. **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

