**QUERIES EXECUTED:**

SELECT \* FROM hr\_analytics.hrdata;

SELECT sum(employee\_count) from hrdata;

SELECT sum(employee\_count) from hrdata where education='High School';

SELECT sum(employee\_count) from hrdata where education="Bachelor's Degree";

SELECT sum(employee\_count) from hrdata where education="Associates Degree";

SELECT sum(employee\_count) from hrdata where education="Master's Degree";

SELECT sum(employee\_count) from hrdata where education="Doctoral Degree";

SELECT sum(employee\_count) from hrdata where department="Sales";

SELECT sum(employee\_count) from hrdata where department="R&D";

SELECT sum(employee\_count) from hrdata where department="HR";

SELECT count(attrition) from hrdata where attrition='Yes';

SELECT count(attrition) from hrdata where attrition='Yes' and education='Doctoral Degree';

SELECT count(attrition) from hrdata where attrition='Yes' and department='R&D';

SELECT count(attrition) from hrdata where attrition='Yes' and education\_field='Medical';

SELECT count(attrition) from hrdata where attrition='Yes' and department='R&D'

and education\_field='Medical' and education='High School';

select ((select count(attrition) from hrdata where attrition='Yes')/sum(employee\_count))\*100 from hrdata;

select ((select count(attrition) from hrdata where attrition='Yes' and department='Sales')/sum(employee\_count))\*100 from hrdata where department='Sales';

select sum(employee\_count)-(select count(attrition) from hrdata where attrition='Yes' and gender='Male') from hrdata where gender='Male';

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

select gender, count(attrition) from hrdata

where attrition='Yes' and education='High school'

group by gender

order by count(attrition) desc;

select department, count(attrition),

round((count(attrition)/(select count(attrition) from hrdata where attrition='Yes' and gender='Female'))\*100,2)

from hrdata

where attrition='Yes' and gender='Female'

group by department

order by count(attrition) desc;

select age, sum(employee\_count) from hrdata

where department='R&D' and gender='Female'

group by age

order by age;

select education\_field, count(attrition) from hrdata

where attrition='Yes' and department='Sales'

group by education\_field

order by count(attrition) desc;

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

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

from hrdata

where attrition='Yes'

group by age\_band,gender

order by age\_band,gender;

SELECT job\_role,

SUM(CASE WHEN job\_satisfaction = 1 THEN employee\_count ELSE 0 END) AS one,

SUM(CASE WHEN job\_satisfaction = 2 THEN employee\_count ELSE 0 END) AS two,

SUM(CASE WHEN job\_satisfaction = 3 THEN employee\_count ELSE 0 END) AS three,

SUM(CASE WHEN job\_satisfaction = 4 THEN employee\_count ELSE 0 END) AS four

FROM hrdata

GROUP BY job\_role

ORDER BY job\_role;

select age\_band, gender,sum(employee\_count) from hrdata

group by age\_band,gender

order by age\_band,gender desc