databricks

Employe-Attration-Project (SQL)

Import Notebook

1: EMPLOYEE REPORT DASHBOARD

2: SHOW ALL EMPLOYEE RECORD

```
select * from employee_attrition
```

Table

	Age	Attrition	BusinessTravel	DailyRate	Department	DistanceFromHome	Education	EducationField	EmployeeCount
1	41	Yes	Travel_Rarely	1102	Sales	1	2	Life Sciences	1
2	49	No	Travel_Frequently	279	Research & Developme...	8	1	Life Sciences	1
3	37	Yes	Travel_Rarely	1373	Research & Developme...	2	2	Other	1
4	33	No	Travel_Frequently	1392	Research & Developme...	3	4	Life Sciences	1
5	27	No	Travel_Rarely	591	Research & Developme...	2	1	Medical	1
6	32	No	Travel_Frequently	1005	Research & Developme...	2	2	Life Sciences	1
7	59	No	Travel_Rarely	1324	Research & Developme...	3	3	Medical	1
8	30	No	Travel_Rarely	1358	Research & Developme...	24	1	Life Sciences	1
9	38	No	Travel_Frequently	216	Research & Developme...	23	3	Life Sciences	1
10	36	No	Travel_Rarely	1299	Research & Developme...	27	3	Medical	1
11	35	No	Travel_Rarely	809	Research & Developme...	16	3	Medical	1
12	29	No	Travel_Rarely	153	Research & Developme...	15	2	Life Sciences	1
13	31	No	Travel_Rarely	670	Research & Developme...	26	1	Life Sciences	1
14	34	No	Travel_Rarely	1346	Research & Developme...	19	2	Medical	1

1,470 rows

3: TOTAL EMPLOYEE COUNT

```
select sum(EmployeeCount) As TotalEmployee from employee_attrition
```

Table

	TotalEmployee
1	1470

1 row

4: FIEND ATTRATION DIVISION

```
select sum(EmployeeCount), attrition from employee_attrition
group by 2
```

Table

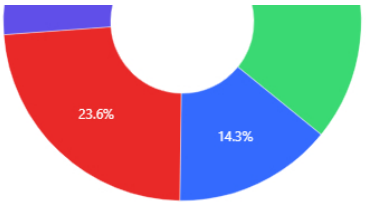
	sum(EmployeeCount)	attrition
1	1233	No
2	237	Yes

2 rows

5: Age Analysis

```
select sum(EmployeeCount),
case when age between 20 and 25 then '20-25' when age between 26 and 32 then '26-32' when age between 33 and 40 then '33-40' else '40+' end age_group
from employee_attrition
where attrition='Yes'
group by 2
```

Table | Visualization 1

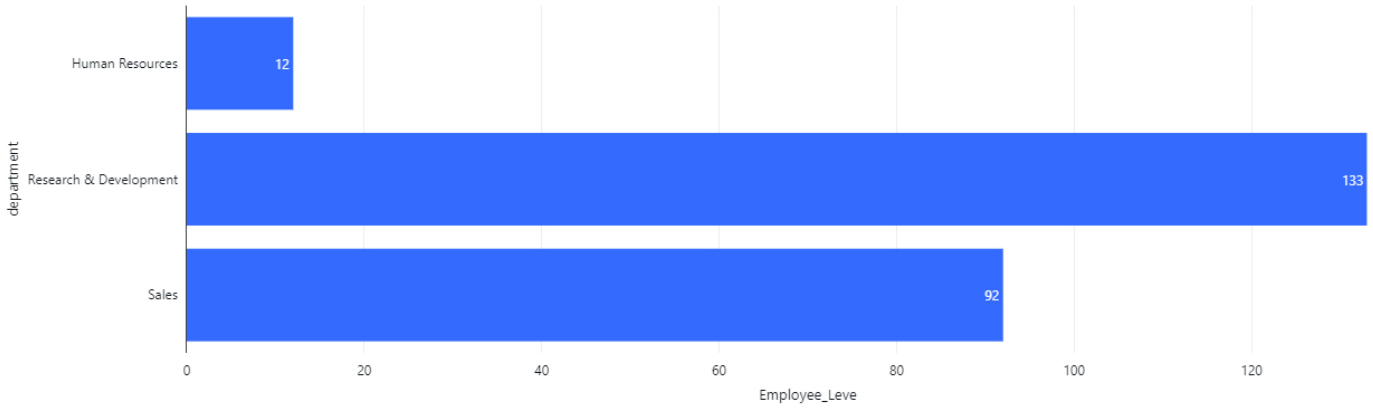


4 rows

6: FIEND ATTRITION OF DEPARTMENT

```
select sum(EmployeeCount)Employee_Leve, department from employee_attrition
where attrition='Yes'
group by department
```

Table | Visualization 1

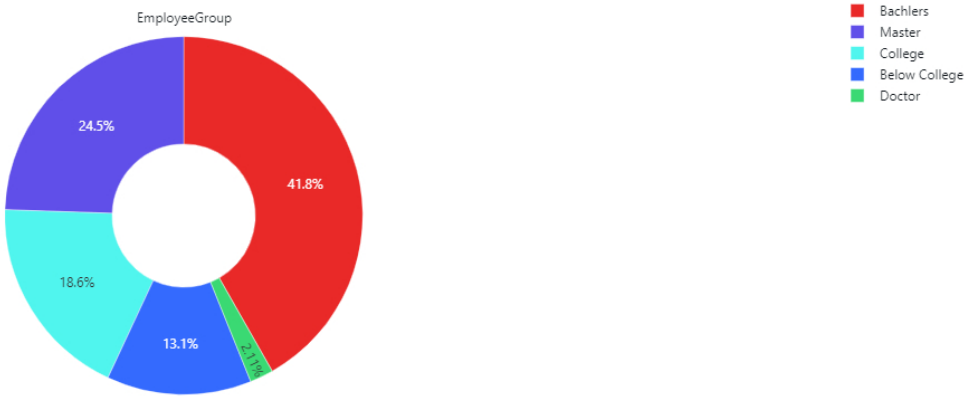


3 rows

7: Attrition Education - (1-Below Collage, 2-Collage, 3-Bachler, -Master, 5-Doctor)

```
select sum(EmployeeCount) as EmployeeGroup,
case when education=1 then 'Below College'  when education=2 then 'College'  when education=3 then 'Bachlers'  when education=4 then 'Master'  else 'Doctor' end EducationGroup
from employee_attrition
where attrition='Yes'
group by Education
```

Table | Visualization 1



5 rows

8: Attrition By Environment Satisfaction (1-Low, 2-Medion,, 3-High, 4-High Satisfaction

```
select sum(EmployeeCount), EnvironmentSatisfaction
from employee_attrition
where attrition='Yes'
group by 2
```

Table | Visualization 1

	sum(EmployeeCount)	EnvironmentSatisfaction
1	72	1
2	62	3
3	60	4

4	43	2

4 rows

9: ATTRITON BUSINESS TRAVELS

```
select sum(EmployeeCount), BusinessTravel
from employee_attrition
where attrition='Yes'
group by 2
```

Table | Visualization 1

3 rows

10

```
# Insight got as Now
1. Employee Between 26-32 Leaving Orgonization
2. Research and Development Department Employee Leaving Orgonization
3. 41.8% Employee having Bachler Digiree Left Organization
4. 72 Employee not Satisfaction Environment Location
5. 156 Employee Traveling rearly Left Orgonization
```