

Test Report

Hr Analytics

- **create Database HRdatabase;**
- **use hrdatabase;**
- **select * from hrdata;**

-- Total Employee

- **select sum(employee_count)**
from hrdata;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	sum(employee_count)			
▶	1470			

-- Attrition Count

- **select count(attrition)**
from hrdata
where attrition = 'Yes';

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	count(attrition)			
▶	237			

-- Rate of Attrition

- **select**
round(((select count(attrition) from hrdata where attrition = 'yes')
/ sum(employee_count))*100,1)
from hrdata;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	round(((select count(attrition) from hrdata where attrition = 'yes')/sum(employee_count))*100,2)			
▶	16.12			

-- No Of Active Employee

- select sum(employee_count)
-(select count(attrition) from hrdata where attrition = 'Yes')
from hrdata;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	sum(employee_count)-(select count(attrition) from hrdata where attrition = 'Yes')			
▶	1233			

-- Average Age

- select round(avg(age))
from hrdata;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	round(avg(age))			
▶	37			

-- Count of Attrition By Gender

- select gender,count(attrition) as attrition_count
from hrdata
where attrition ='yes'
group by gender;

Result Grid		Filter Rows:	Export:	Wrap Cell Content:
	gender	attrition_count		
▶	Female	87		
	Male	150		

-- Department Wise Attrition

- select department, count(attrition),
round ((count(attrition))
/ (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;

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
department	count(attrition)	pct	
R&D	133	56.12	
Sales	92	38.82	
HR	12	5.06	

-- No of Employees By Age Group

- select age_band,gender,sum(employee_count)
from hrdata
group by age_band,gender
order by age_band,gender asc;

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
age_band	gender	sum(employee_count)	
25 - 34	Female	217	
25 - 34	Male	337	
35 - 44	Female	196	
35 - 44	Male	309	
45 - 54	Female	113	
45 - 54	Male	132	
Over 55	Female	25	

Result 13 x

-- Job Satisfaction Rating

- 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,
count(employee_count) as total

from hrdata

group by job_role

order by job_role;

Result Grid						
		Filter Rows:			Export:	Wrap Cell Content:
	job_role	one	Two	Three	Four	total
▶	Healthcare Representative	26	19	43	43	131
	Human Resources	10	16	13	13	52
	Laboratory Technician	56	48	75	80	259
	Manager	21	21	27	33	102
	Manufacturing Director	26	32	49	38	145
	Research Director	15	16	27	22	80
	Research Scientist	54	53	90	95	292

-- Education Fieldwise Attrition

- select education_field,count(attrition)

from hrdata

where attrition = 'yes'

group by education_field

order by attrition;

Result Grid		
		Filter Rows:
		Export:
		Wrap Cell Content:
	education_field	count(attrition)
▶	Life Sciences	89
	Other	11
	Medical	63
	Technical Degree	32
	Marketing	35
	Human Resources	7

-- Attrition By Gender For Different Age Group

- select age_band,gender,count(attrition),
round((count(attrition)
/(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 ;

Result Grid					Filter Rows:		Export:	Wrap Cell Content:
	age_band	gender	count(attrition)	pct				
►	25 - 34	Female	43	18.14				
	25 - 34	Male	69	29.11				
	35 - 44	Female	14	5.91				
	35 - 44	Male	37	15.61				
	45 - 54	Female	9	3.80				
	45 - 54	Male	16	6.75				
	Over 55	Female	3	1.27				

Result 14 x