

## HR ANALYTICS

This project analyzes employee turnover and retention to understand the key reasons behind why employees leave or stay. The goal is to provide HR with useful data insights to help improve workforce management and reduce attrition.

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### DATASET OVERVIEW



it includes approximately 1480 employee records

#### Key attributes:

Demographics: Age, Gender, Marital Status,

Distance From Home

Job Information: Job Role, Department, Job

Level, Business Travel

Compensation & Benefits: Monthly Income,

Salary Hike, Stock Option Level

**Employee Feedback:** Job Satisfaction,

Environment Satisfaction, Work-Life Balance

**Attrition:** Employee attrition status (Yes/No)



#### DASHBOARDS OVERVIEW

1

Workforce
Composition &
Diversity Insights

Explores employee demographics, gender and education diversity, leadership roles, and attrition patterns by marital status.

2

Attrition& Retention

Focuses on understanding who leaves and why by examining overtime, job satisfaction, and other attrition factors.

3

Performanc
e & Learning
Analytics

Tracks employee training, promotions, and job involvement to understand impacts on performance and retention.

4

Compensation & Work-Life
Balance Tracker

Analyzes salary trends, salary hikes, and work-life balance to identify pay equity and employee stress.

#### Dashboard 1:

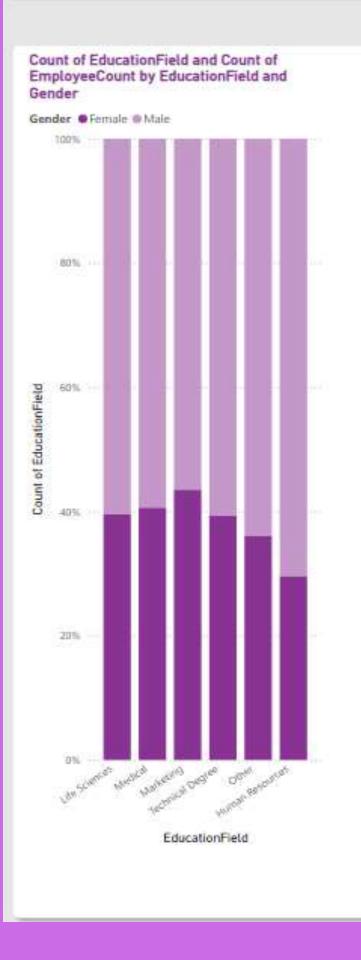


1

Workforce
Composition &
Diversity Insights

Explores employee demographics, gender and education diversity, leadership roles, and attrition patterns by marital status.

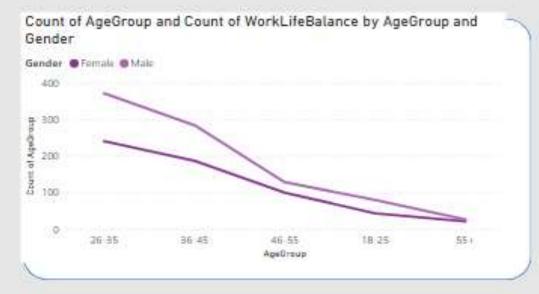
#### HR Dashboard\_Workforce Composition & Diversity Insights

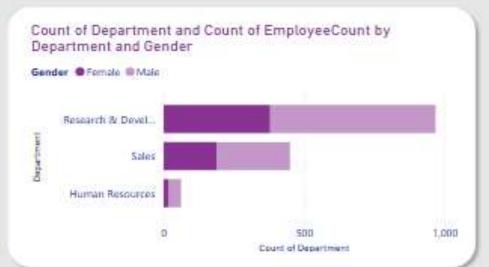




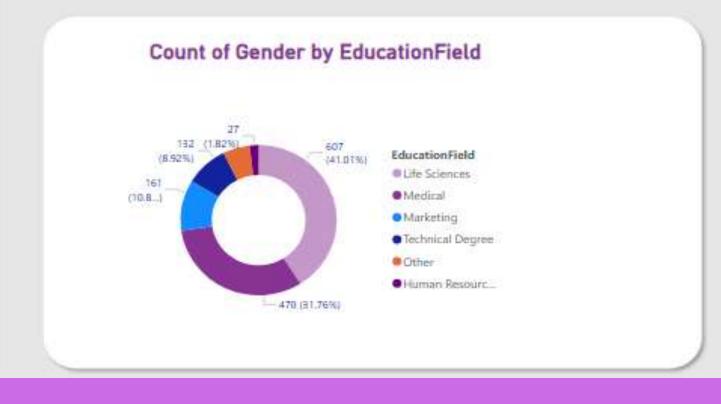














#### Dashboard 2:



2

#### Attrition& Retention

Focuses on understanding who leaves and why by examining overtime, job satisfaction, and other attrition factors.



#### HR DASHBOARD- Attrition & Retention Analysis

Department

Research &

overall employees

1480

Attrition

238

Attrition Rate

16.08%

Job satisfaction

2.73

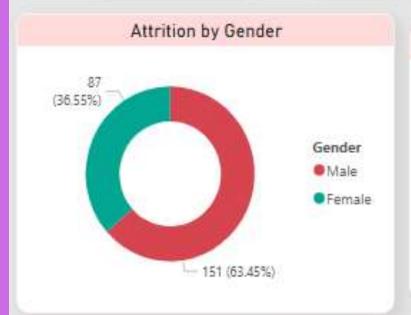
Gender Ratio

66.67%

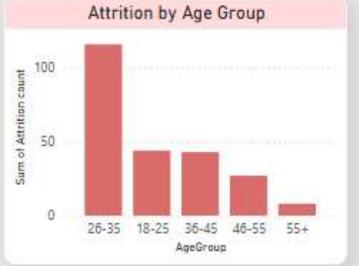
years left

7.01

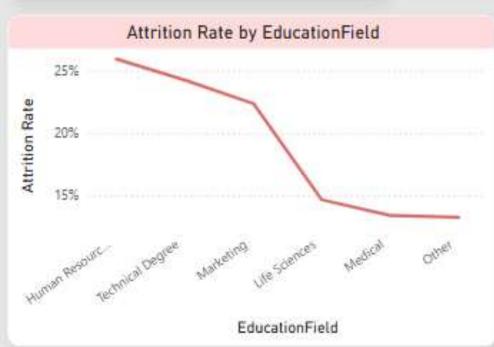
Attrition by Years at Company

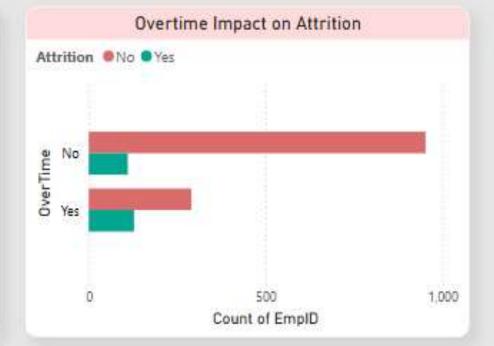






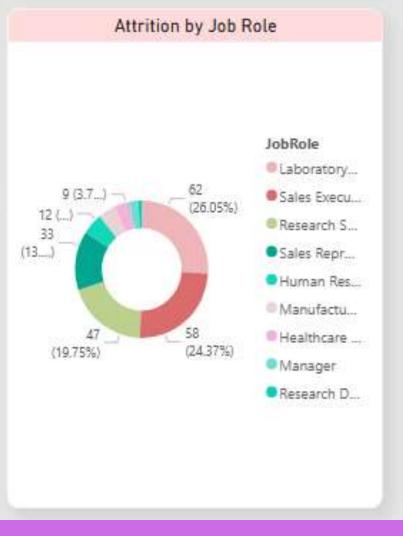
YearsAtCompany	No	Yes	Total	
0	28	16	44	
1	112	59	171	
2	100	27	127	
3	108	21	129	
4	93	19	112	
5	177	21	198	
6	68	9	77	
7	80	11	91	
- Total	1242	238	1480	





JobRole	1	2	3	4	Total
Healthcare Representative	2	2	1	4	9
Human Resources	5	2	3	2	12
Laboratory Technician	20	8	21	13	62
Manager	1	2	1	1	5
Manufacturing Director	2	2	4	2	10
Research Director	0	1	1	0	2
Research Scientist	13	10	15	9	47
Sales Executive	17	9	18	14	58
Sales Representative	7	10	9	7	33
Total	67	46	73	52	238





#### Dashboard 3:



3

#### Performance & Learning Analytics

Tracks employee training, promotions, and job involvement to understand impacts on performance and retention.

#### HR Dashboard- Performance & Learning Analytics

#### Average Performance Rating

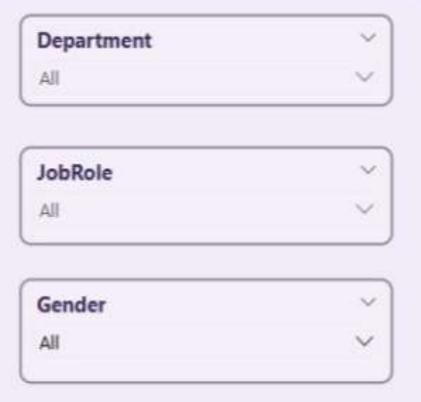
Average of PerformanceRating

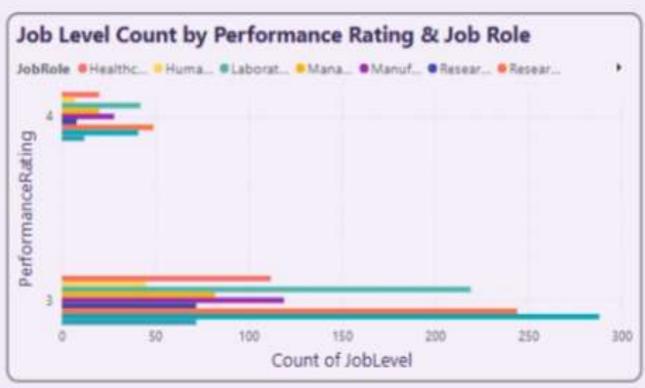
3.15

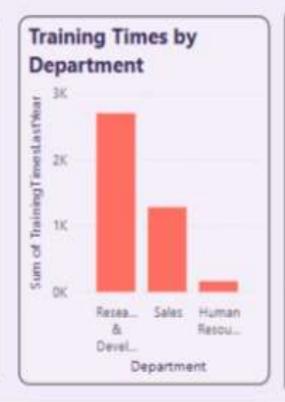
# Performance Rating Count (Yes / No) Count of PerformanceRating 1.062K Count of PerformanceRating Yes 418

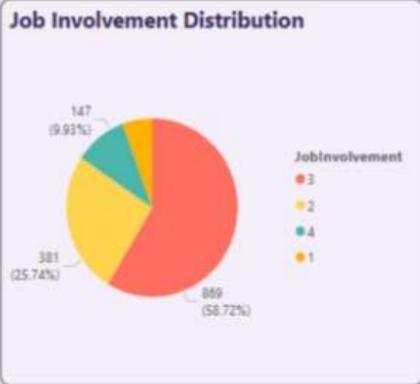












#### Dashboard 4:



4

# Compensation & Work-Life Balance Tracker

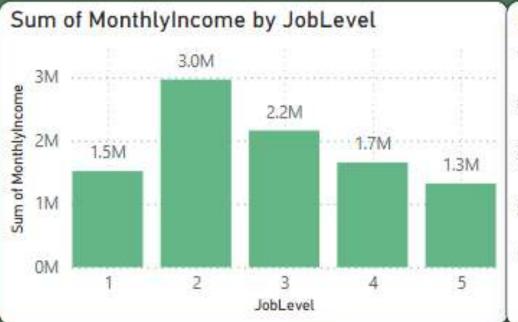
Analyzes salary trends, salary hikes, and work-life balance to identify pay equity and employee stress.

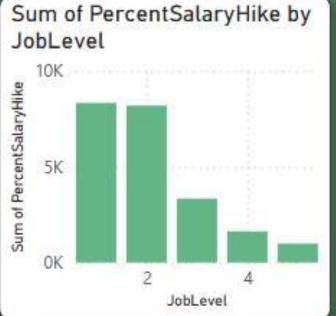
# Average of MonthlyIncome 6.50K

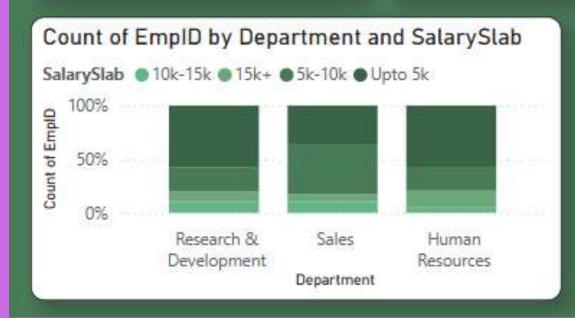
Sum of EmployeeCount

#### Compensation and Work-Life Dashboard:

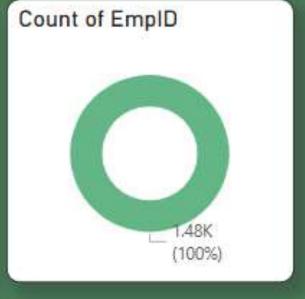
#### Income trends by Job Level:

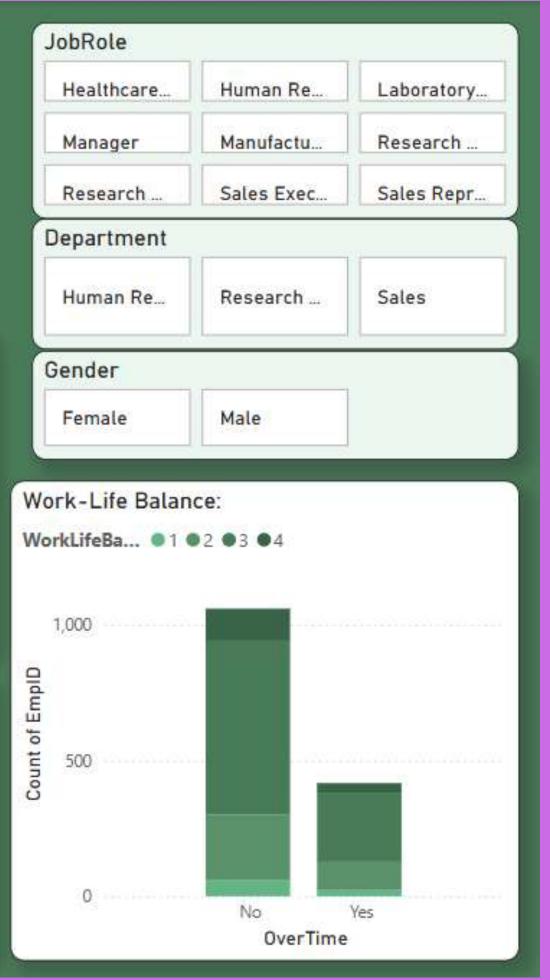














Dataset: youtube

Tutorials: youtube, chatgpt