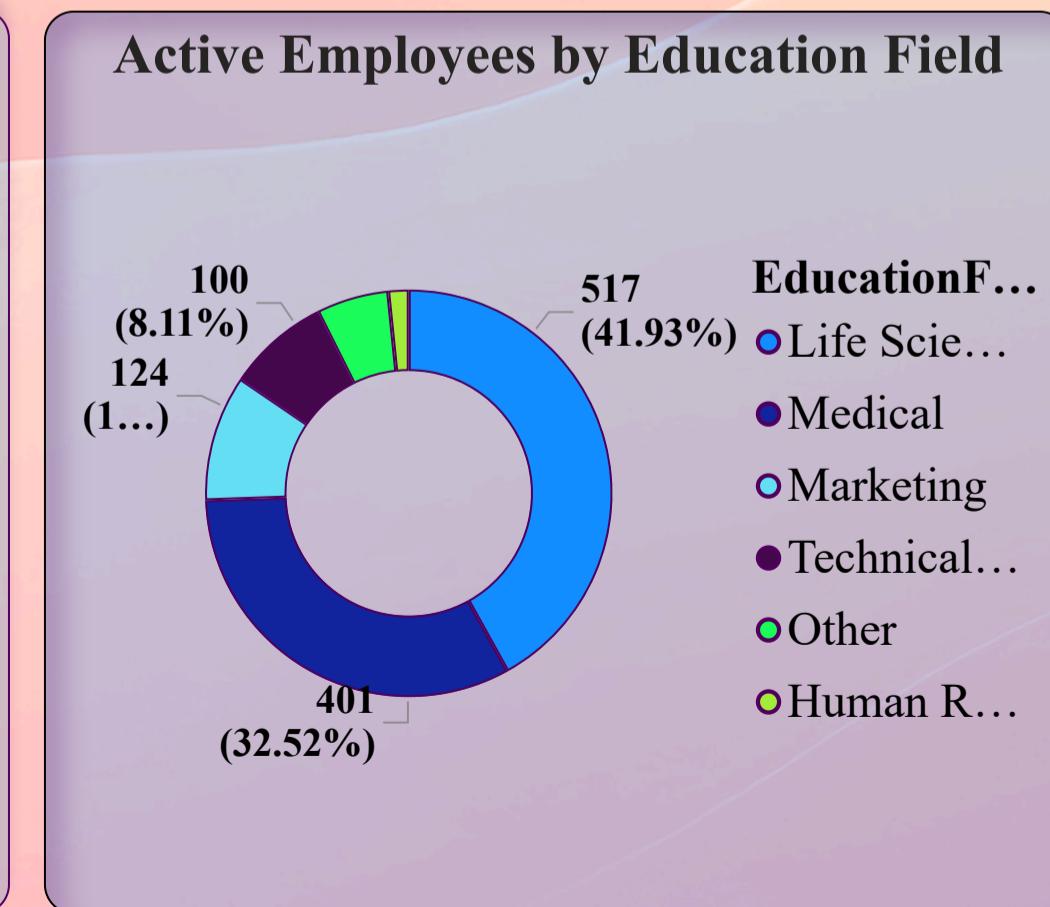
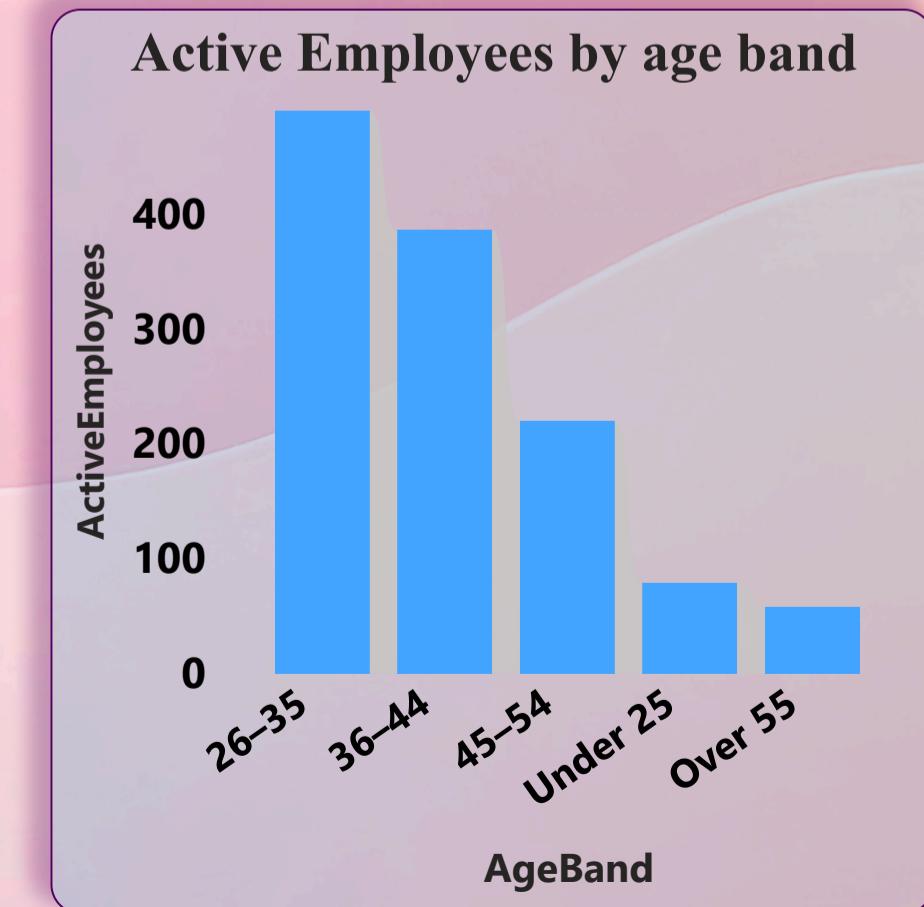
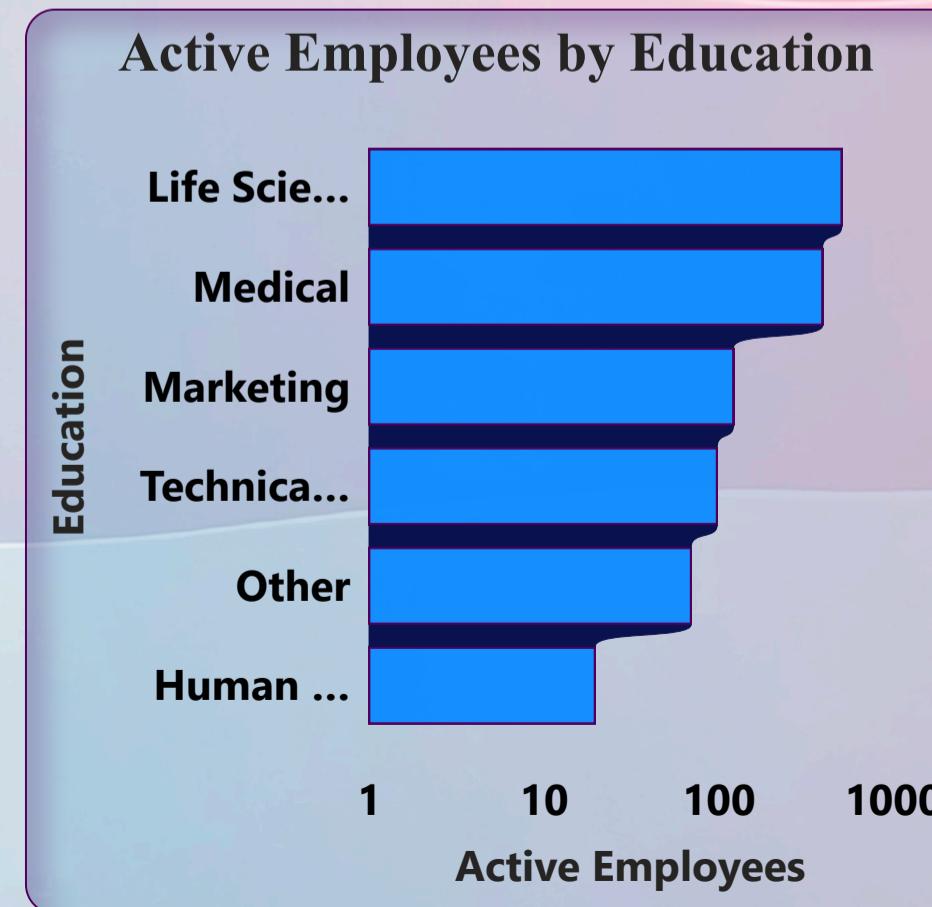
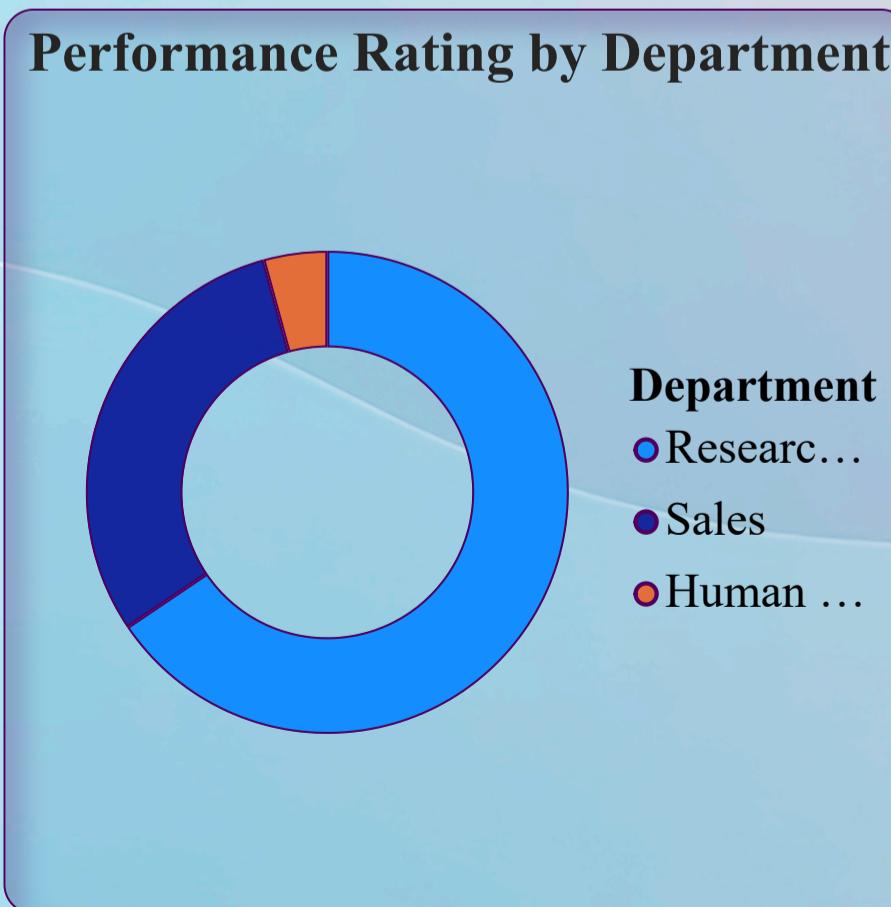
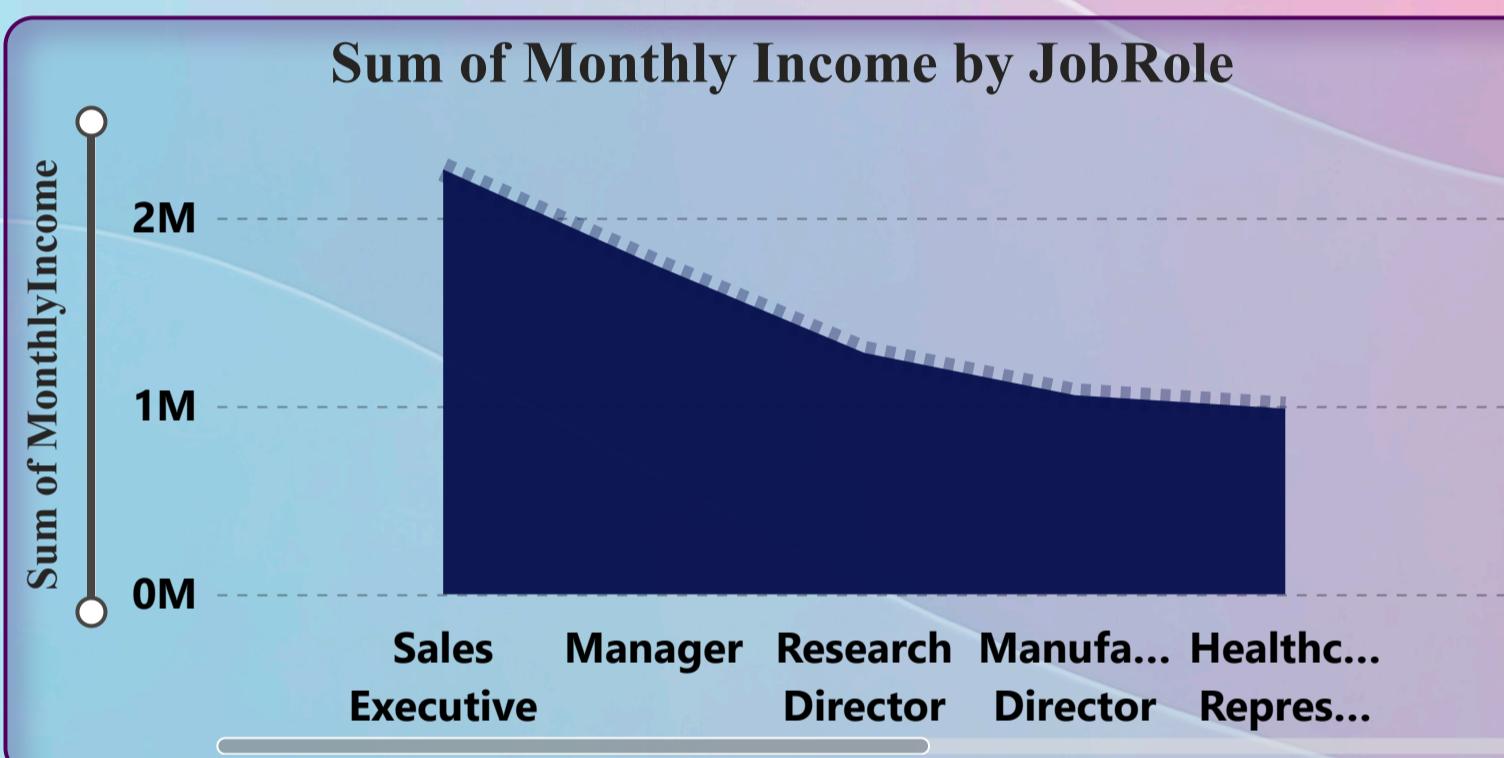
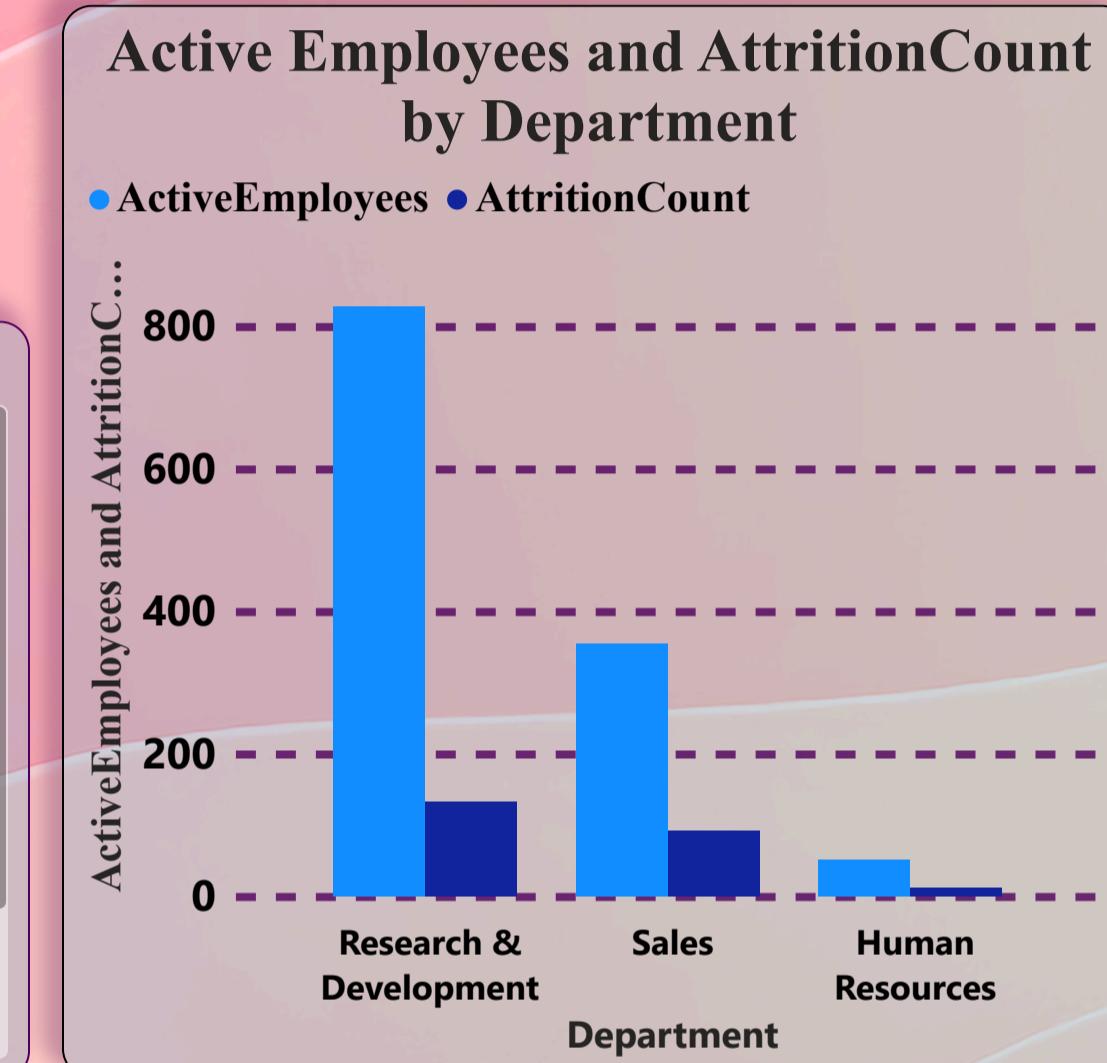
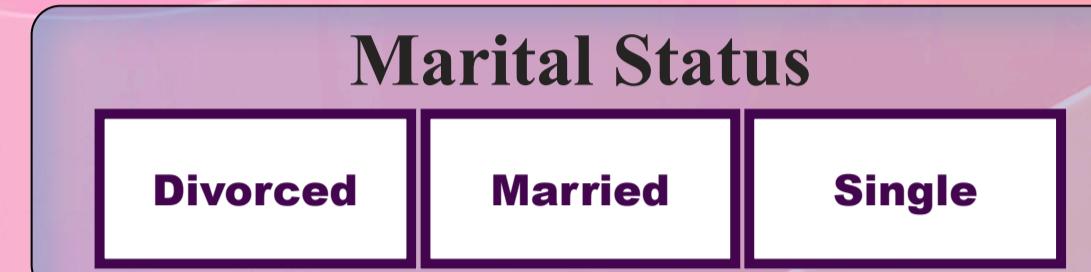
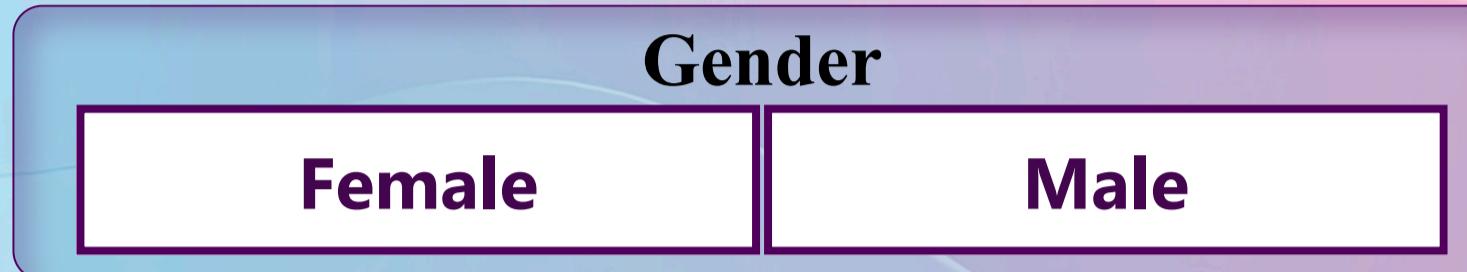


HR Analysis: Employee Attrition Insights

[View Predictions](#)


ML Prediction Insights: Attrition Risk & Model Performance

Logistic Regression Performance

Accuracy	Precision	Recall	F1 Score
0.88	0.67	0.15	0.25

Decision Tree Performance

Accuracy	Precision	Recall	F1 Score
0.83	0.27	0.15	0.20

Prediction Summary & Key Takeaways

- Only 24 employees predicted as at-risk.
- Highest probability: 92% (Employee 63).
- Most high-risk roles: R&D.
- Model precision is higher for Logistic Regression.

Top At-Risk Employees Based on ML Prediction

EmployeeNumber	Department	Sum of Attrition_Prediction	Sum of Attrition_Probability	RiskLevel
20	Research & Development	0	0.04	Low Risk
30	Research & Development	0	0.11	Low Risk
38	Sales	0	0.14	Low Risk
39	Research & Development	0	0.08	Low Risk
41	Research & Development	0	0.08	Low Risk
56	Sales	0	0.08	Low Risk
57	Research & Development	0	0.08	Low Risk
63	Research & Development	1	0.92	! High Risk
65	Research & Development	0	0.00	Low Risk
74	Sales	0	0.04	Low Risk
76	Research & Development	0	0.04	Low Risk
77	Research & Development	0	0.04	Low Risk
81	Sales	1	0.55	Low Risk
84	Research & Development	0	0.07	Low Risk
86	Research & Development	0	0.04	Low Risk
91	Sales	0	0.08	Low Risk
100	Sales	0	0.14	Low Risk
102	Research & Development	0	0.08	Low Risk
105	Research & Development	0	0.08	Low Risk
132	Research & Development	0	0.04	Low Risk
134	Research & Development	0	0.11	Low Risk
142	Sales	0	0.00	Low Risk
Total		24	43.35	