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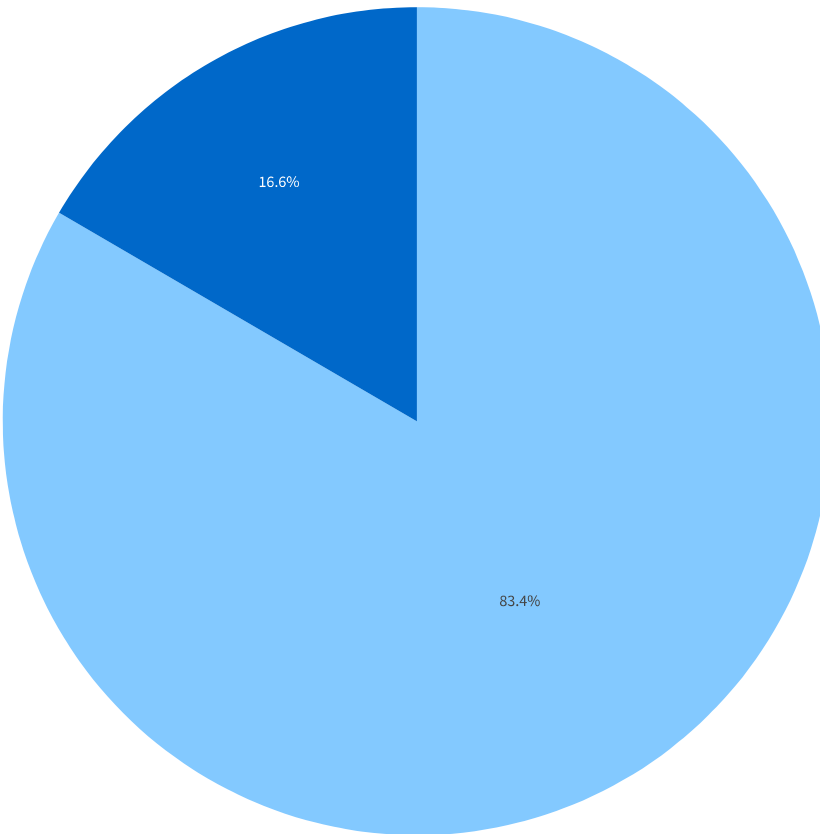
Data Visualization and Model Evaluation

Descriptive Statistics

	count	mean	std	min	25%	50%	75%	max
satisfac	11,991	0.6297	0.2411	0.09	0.48	0.66	0.82	1
last_ev	11,991	0.7167	0.1683	0.36	0.57	0.72	0.86	1
numbe	11,991	3.8029	1.1632	2	3	4	5	7
averag	11,991	00.4735	48.7278	96	157	200	243	310
time_s	11,991	3.3649	1.3302	2	3	3	4	10
work_e	11,991	0.1543	0.3612	0	0	0	0	1
left	11,991	0.166	0.3721	0	0	0	0	1
promot	11,991	0.0169	0.129	0	0	0	0	1

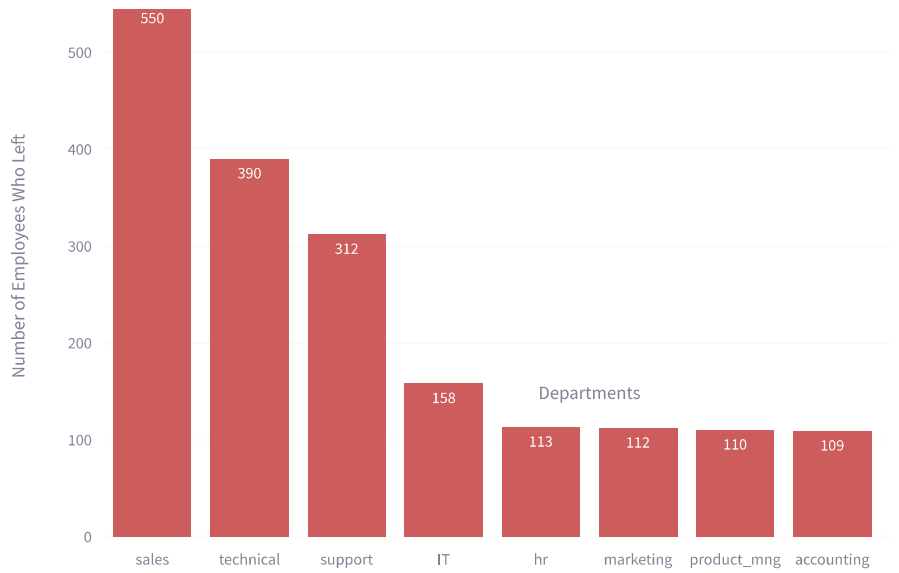
Employee Churn Distribution

Employee Churn Distribution



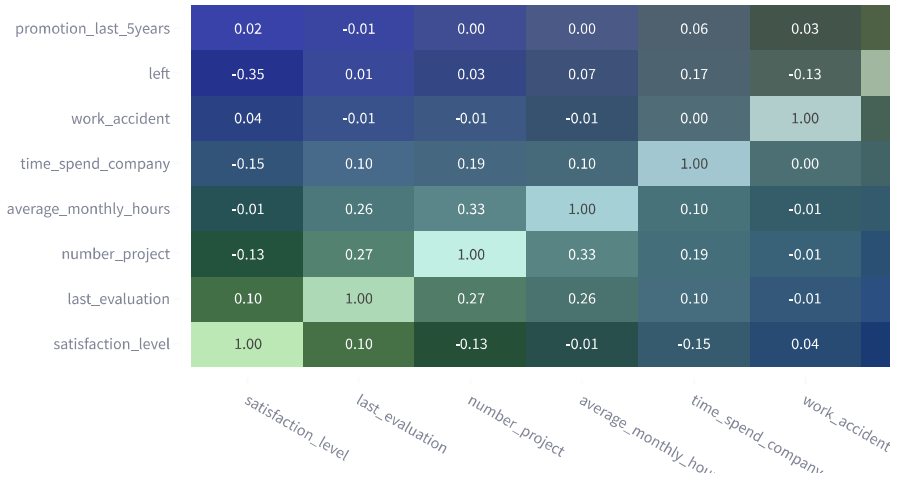
Churn by Department

Number of Employees Who Left by Department



Heatmap of Feature Correlations

Heatmap with Formatted Numbers



Model Evaluation Metrics

	Model	Accuracy	Precision	Recall	F1 Score
0	Random Forest	0.9783	0.9807	0.8878	0.9319
1	XGBoost	0.9787	0.9704	0.9002	0.934