

HR Attrition - Model Accuracy Report

Classification Report:

Class	Precision	Recall	F1-score	Support
0 (Stayed)	0.91	0.80	0.85	247
1 (Left)	0.36	0.57	0.44	47

Accuracy			0.77	294
Macro avg	0.63	0.69	0.65	294
Weighted avg	0.82	0.77	0.79	294

Confusion Matrix Interpretation:

- True Positives (Class 1 predicted correctly): 27
- True Negatives (Class 0 predicted correctly): 198
- False Positives (Predicted 1 but was 0): 49
- False Negatives (Predicted 0 but was 1): 20

Summary:

The model shows strong performance in identifying employees who stay (class 0).

Moderate performance is observed in identifying those who leave (class 1).

Overall accuracy is 77%, indicating fair predictive capability.