

Model Accuracy Report + Confusion Matrix

Model Performance Metrics

| Model | Accuracy | Precision (Attrition=Yes) | Recall (Attrition=Yes) | F1-Score (Attrition=Yes) |
|---------------------|----------|------------------------------|---------------------------|-----------------------------|
| Logistic Regression | 87.75% | 0.92 | 0.26 | 0.40 |
| Decision Tree | 79.93% | 0.36 | 0.32 | 0.34 |

Logistic Regression Confusion Matrix

| | Predicted No | Predicted Yes |
|------------|--------------|---------------|
| Actual No | 246 | 1 |
| Actual Yes | 35 | 12 |

Decision Tree Confusion Matrix

| | Predicted No | Predicted Yes |
|------------|--------------|---------------|
| Actual No | 220 | 27 |
| Actual Yes | 32 | 15 |