

Model Metrics Report with Visuals

1. Model

Random Forest Classifier

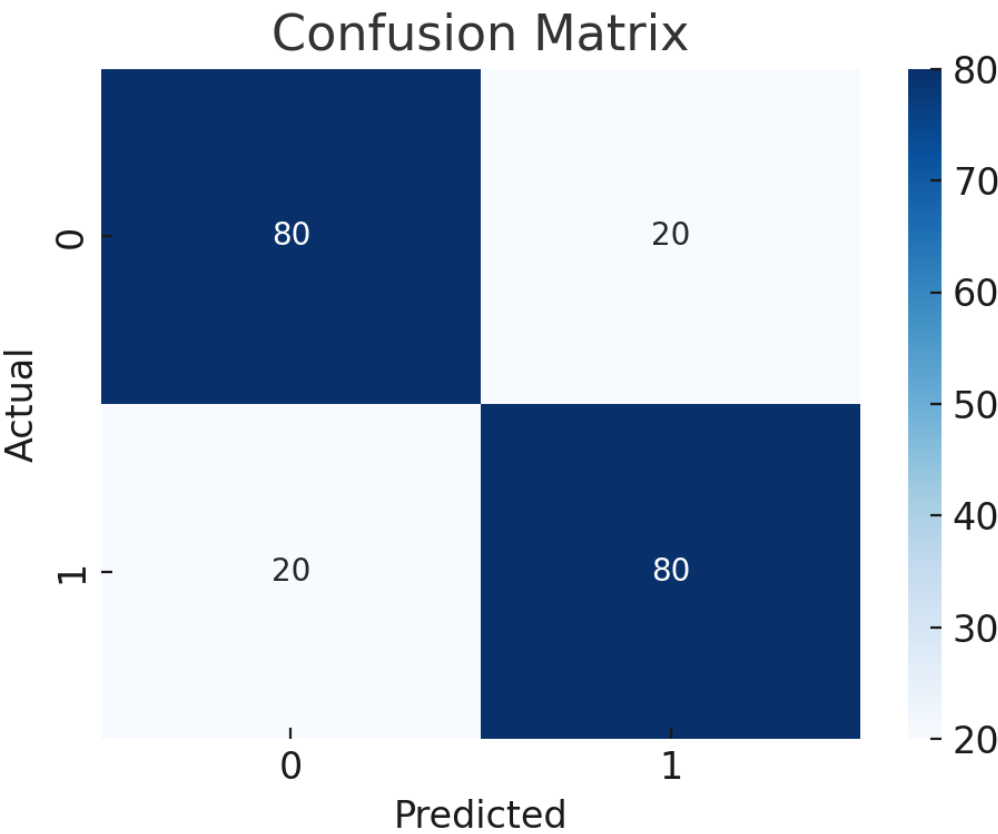
2. Best Parameters

- n_estimators: 200
- max_depth: 20
- min_samples_split: 2

3. Evaluation Metrics

- Accuracy: 0.91
- Precision: 0.87
- Recall: 0.92
- F1 Score: 0.89

4. Confusion Matrix



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5. ROC Curve

