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Self Check 9

Performance Metrics

1. Accuracy = $(TP + TN) / n = (329 + 357) / (329 + 35 + 87 + 357) = 0.85$
2. Error = $(FP + FN) / n = (35 + 87) / (329 + 35 + 87 + 357) = 0.15$
3. Precision = $TP / (TP + FP) = 329 / (329 + 35) = 0.90$
4. Recall = $TP / (TP + FN) = 329 / (329 + 87) = 0.10$

Learning Curves

1. Collecting more data helps when you are underfitting the data. This occurs when there is low bias and high variance in the system.
2. Collecting more data does not help when the model already has high bias and low variance.