

Predicting Breast Cancer Survival and Identifying Biomarkers for Survival

Model Metrics

The **Logistic Regression Model** is the model being recommended from the analyses performed.

The following was used to tune the model:

- Using GridSearchCV with cv = 5
- C = 1000

After tuning the model, several metrics were determined using the Confusion Matrix (Figure 1), and they are summarized in Table 1.

Figure 1. Logistic Regression Confusion Matrix

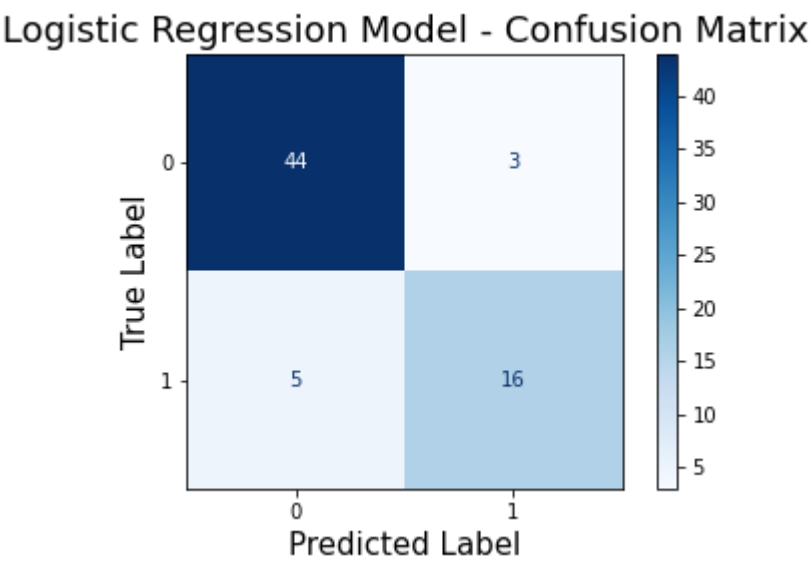


Table 1. Logistic Regression Model Metrics

Logistic Regression Model Metrics

Model	Precision	Recall	F1 score	Accuracy	AUC
Logistic Regression (C:1000)	0.84	0.76	0.8	0.88	0.95