

Breast Cancer Classification Report

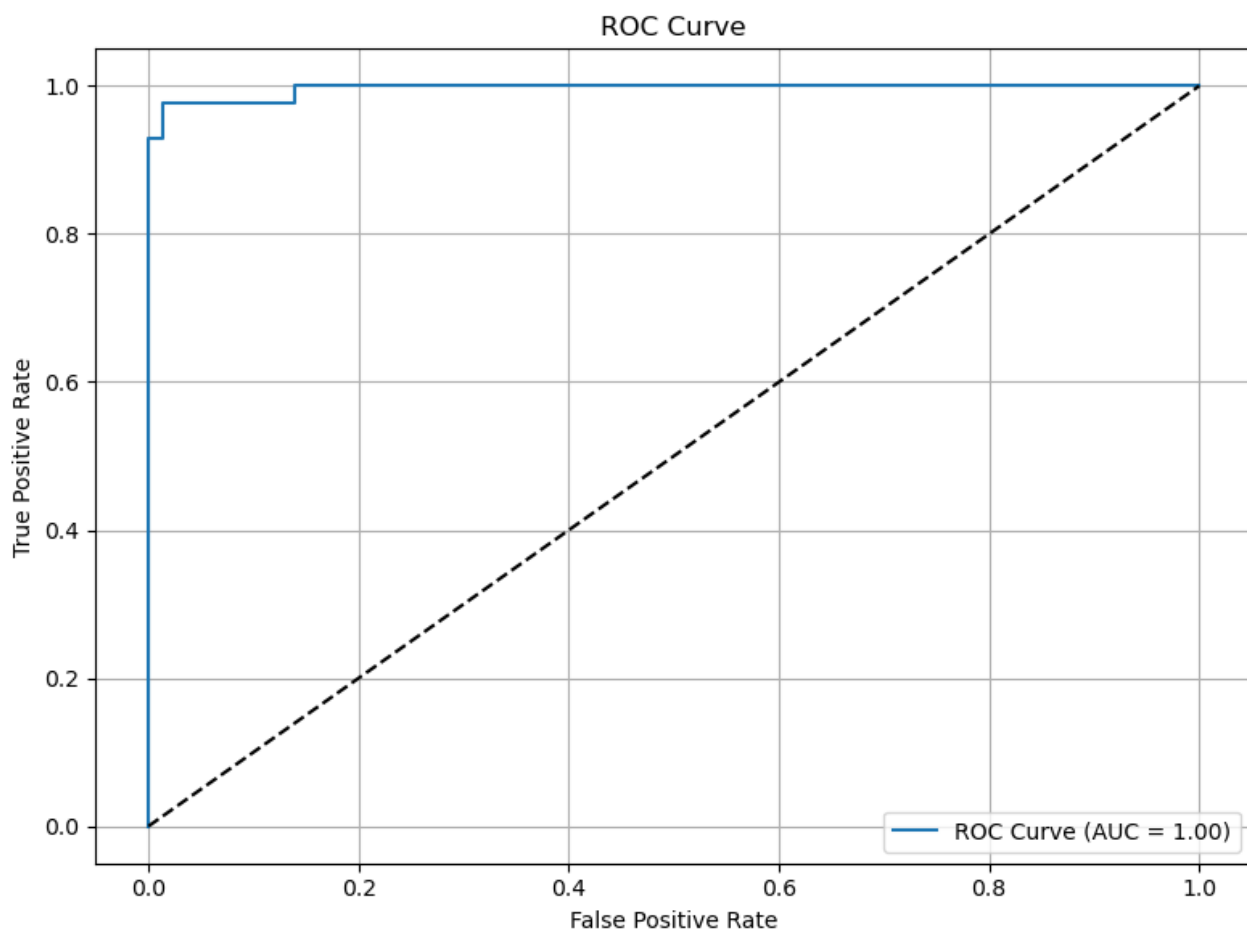
This report summarizes a logistic regression model trained to predict breast cancer diagnosis (malignant or benign) using the Kaggle Breast Cancer Wisconsin dataset.

Model Evaluation:

- Accuracy: ~96%
- Precision: 0.975
- Recall: 0.9286 (default) / 0.976 (threshold=0.3)
- ROC-AUC: 0.996

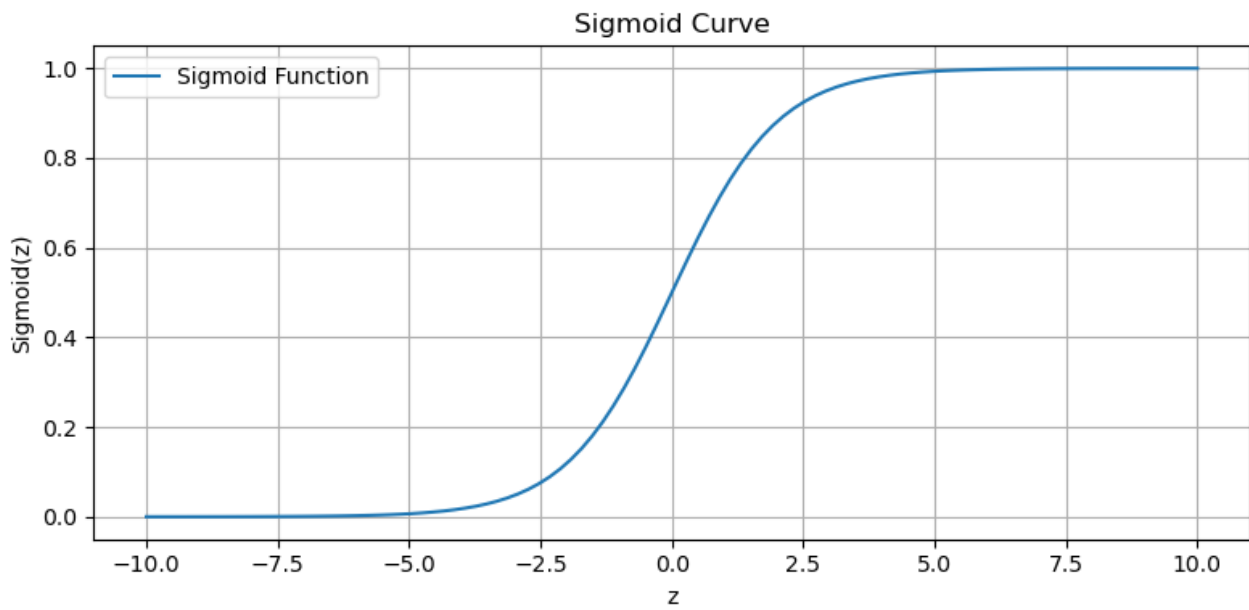
The following plots illustrate the model's performance and insights.

ROC Curve



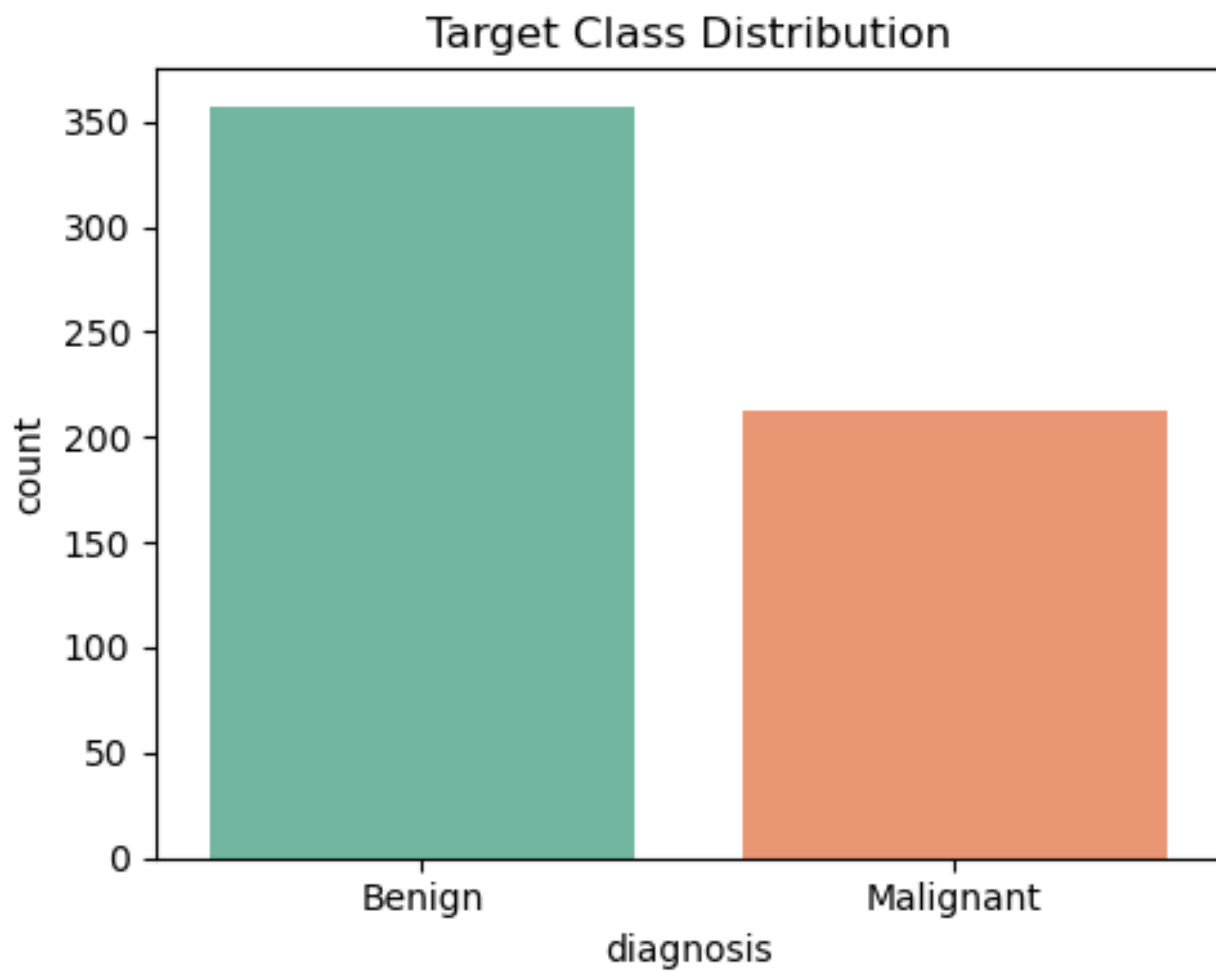
Breast Cancer Classification Report

Sigmoid Function



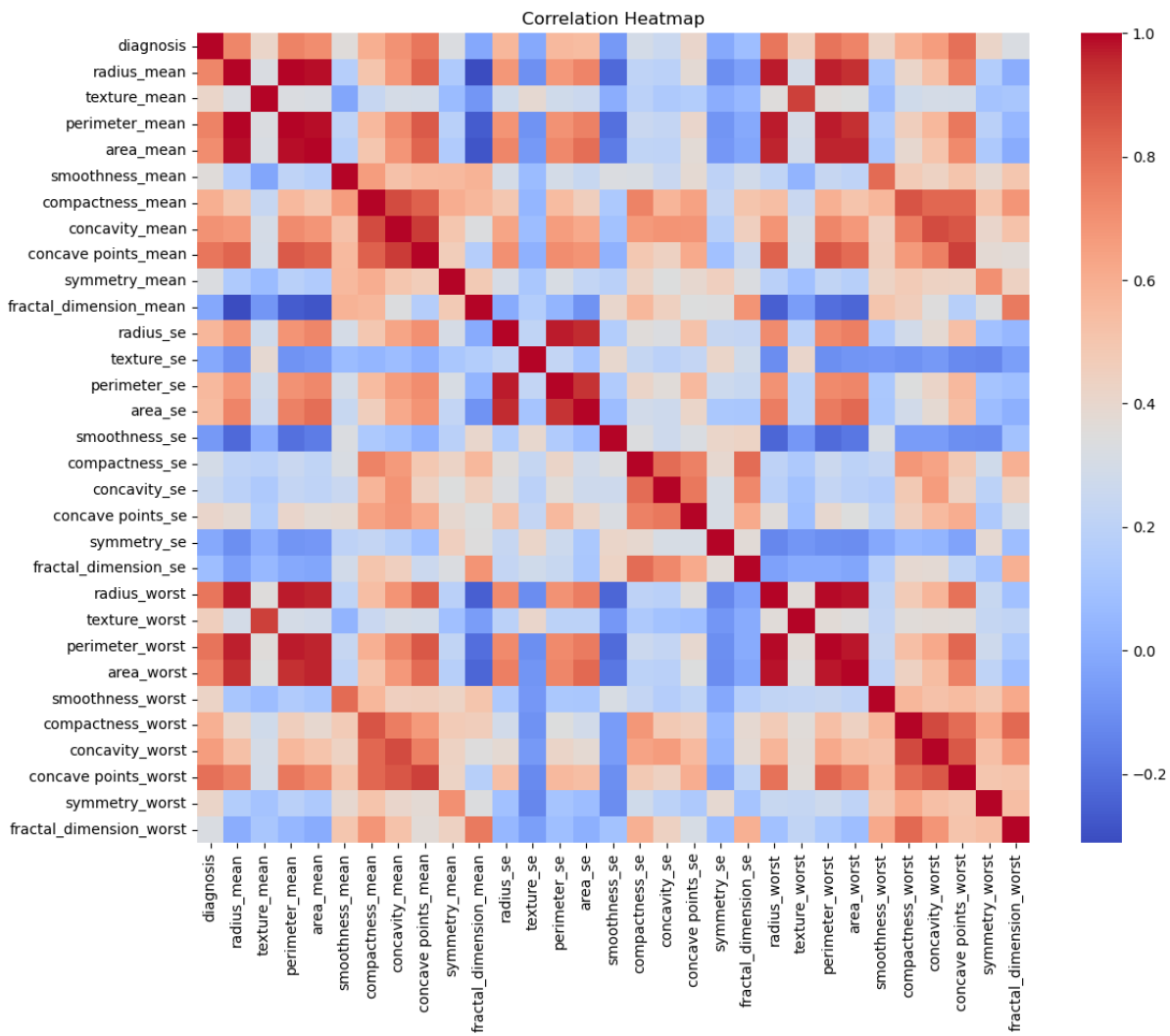
Class Distribution

Breast Cancer Classification Report



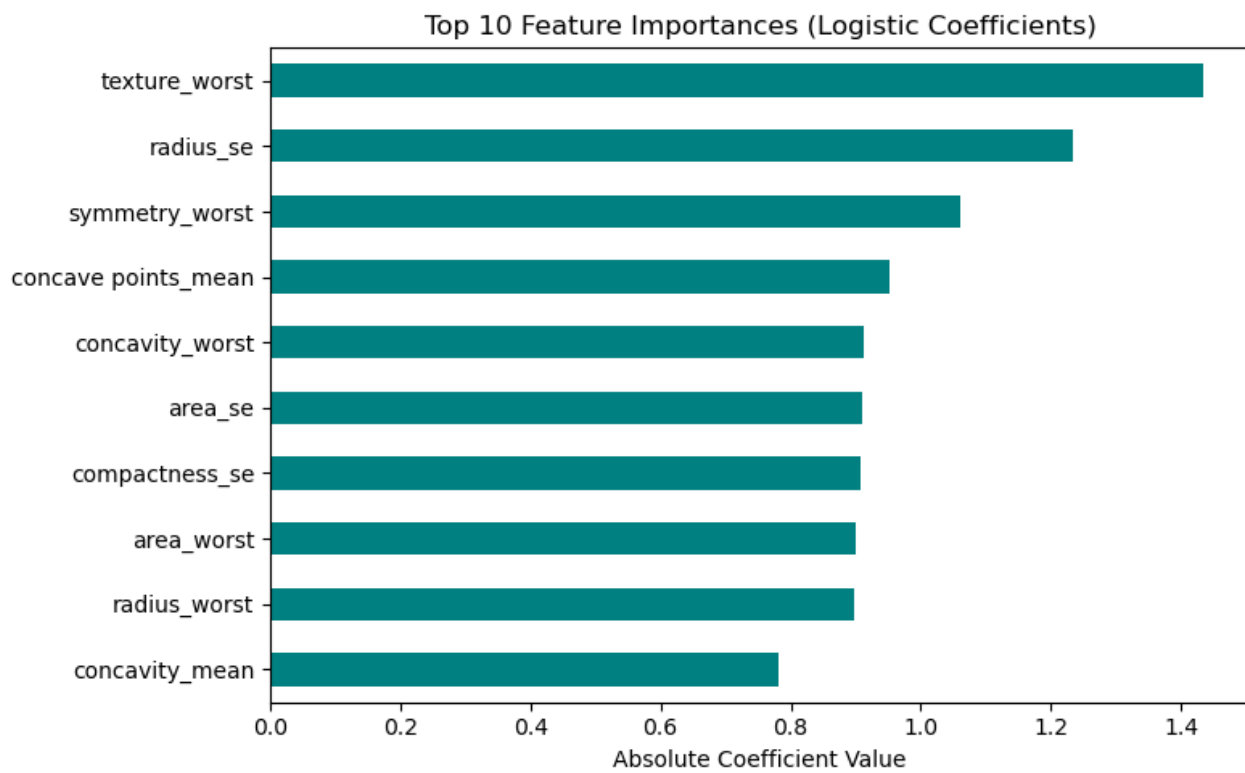
Correlation Heatmap

Breast Cancer Classification Report



Top Feature Importances

Breast Cancer Classification Report



Confusion Matrix

Breast Cancer Classification Report

