

BREAST CANCER INSIGHTS: PATTERNS, PREDICTIONS & RISKS

Select Diagnosis

B

M

Select Feature

Multiple selections

569

Total Cases

Model Metrics

0.96

Accuracy

0.96

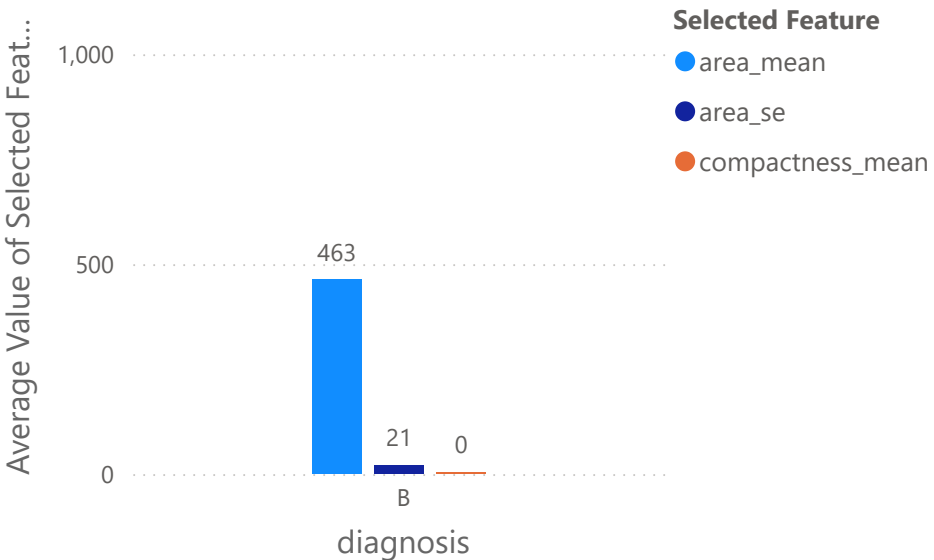
Precision

0.96

Recall

General Data Insights

Feature Impact on Diagnosis



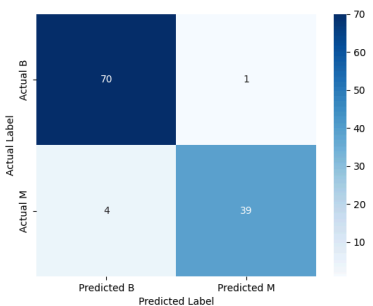
Filters governing visual:

'Select Diagnosis' and 'Select Feature'

Description: This bar chart displays the average values of the selected features for benign (B) and / or malignant (M) cases. Higher values for certain features may indicate malignancy, while lower values are often associated with benign cases.

Model Evaluation and Risk

Classification Results: Diagnosis vs Prediction

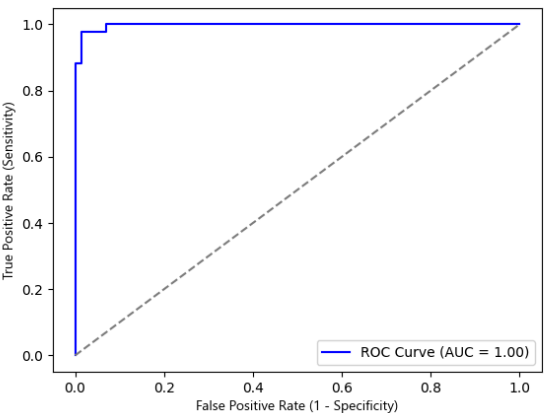


Filters governing visual:

Independent of chart filters

Description: This matrix compares the actual diagnosis with the model's predictions. The goal is to minimize false positives and negatives and maximize true positives and negatives.

Receiver Operating Characteristic (ROC) curve



Filters governing visual:

Independent of chart filters

Description: The ROC curve illustrates the trade-off between true positive rate (sensitivity) and false positive rate (1-specificity) for the classification model, with an AUC value of 1.00, indicating a perfectly accurate model in distinguishing between benign and malignant cases.