

# Robustness Analysis Report

## Breast Cancer Diagnosis Model - Feature Perturbation Analysis

Model: RandomForest Classifier | Generated: 2025-11-06 21:40

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### Summary

| Metric           | Value  | Unit |
|------------------|--------|------|
| Test Accuracy    | 0.9561 |      |
| Robustness Score | 0.8700 |      |

### Robustness Test Results

Analysis of model stability under feature perturbations

| Metric                   | Value  | Unit |
|--------------------------|--------|------|
| Prediction Stability     | 0.9100 |      |
| Mean Perturbation Impact | 0.0340 |      |

Generated: 2025-11-06 21:40:22