Confusion matrix for Quadratic SVM with top 8 variables:

99% True Positive Benign, 1% False Positive Benign

94% True Positive Malignant, 6% False Positive Malignant

Positive Predictive Value: 97% Benign, 98% Malignant

False Discovery Rate: 3% Benign, 2% Malignant

Accuracy: 97.0%

Confusion matrix for Random Forest with top 8 variables:

96% True Positive Benign, 4% False Positive Benign

96% True Positive Malignant, 4% False Positive Malignant

Positive Predictive Value: 96% Benign, 96% Malignant

False Discovery Rate: 4% Benign, 4% Malignant

Accuracy: 95.8%

Confusion matrix for Quadratic SVM:

99% True Positive Benign, 1% False Positive Benign

96% True Positive Malignant, 4% False Positive Malignant

Positive Predicitve Value: 97% Benign, 99% Malignant

False Discovery Rate: 3% Benign, 1% Malignant

Accuracy: 98.1%

Confusion matrix for Random Forest:

98% True Positive Benign, 2% False Positive Benign

92% True Positive Malignant, 8% False Positive Malignant

Positive Predictive Value: 95% Benign, 97% Malignant

False Discovery Rate: 5% Benign, 3% Malignant

Accuracy: 95.9%

Confusion matrix for 2-Cluster K-Means:

99.7% True Positive Benign, 0.3% False Positive Benign

61.3% True Positive Malignant, 38.7% False Positive Malignant

Positive Predictive Value: 81.3% Benign, 99.2% Malignant

False Discovery Rate: 18.7% Benign, 0.8% Malignant

Accuracy: 85.4%