|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Accuracy -train | Precision | Recall | F1 score | Accuracy\_test |
| K-NN | 96.737 | 1 | 0.921 | 0.959 | 97.029 |
| K-NN\_PCA | 96.737 | 1 | 0.905 | 0.951 | 96.435 |
| RF | 95.237 | 0.951 | 0.921 | 0.935 | 95.291 |
| RF\_PCA | 95.981 | 0.967 | 0.937 | 0.952 | 96.464 |

Confusion Matrix k-NN

|  |  |  |
| --- | --- | --- |
|  | Predicted Malignant (positive) | Predicted Benign (negative) |
| True Malignant (positive) | 58 | 5 |
| True Benign (negative) | 0 | 108 |
|  |  |  |

Confusion Matrix k-NN PCA

|  |  |  |
| --- | --- | --- |
|  | Predicted Malignant (positive) | Predicted Benign (negative) |
| True Malignant (positive) | 57 | 6 |
| True Benign (negative) | 0 | 108 |

Confusion Matrix rf

|  |  |  |
| --- | --- | --- |
|  | Predicted Malignant (positive) | Predicted Benign (negative) |
| True Malignant (positive) | 58 | 5 |
| True Benign (negative) | 3 | 105 |
|  |  |  |

Confusion Matrix rf-PCA

|  |  |  |
| --- | --- | --- |
|  | Predicted Malignant (positive) | Predicted Benign (negative) |
| True Malignant (positive) | 59 | 4 |
| True Benign (negative) | 2 | 106 |