**## Logistic Regression**

Testing accuracy score - 0.976608

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Precision | Recall | F1-score | Support |
| 0 | 0.96 | 1.00 | 0.98 | 107 |
| 1 | 1.00 | 0.94 | 0.97 | 64 |
| Avg / total | 0.98 | 0.98 | 0.98 | 171 |

Confusion Matrix:

|  |  |
| --- | --- |
| 107 | 0 |
| 4 | 60 |

**## Decision Tree (CART)**

Testing accuracy score - 0.947368

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Precision | Recall | F1-score | Support |
| 0 | 0.95 | 0.97 | 0.96 | 107 |
| 1 | 0.95 | 0.91 | 0.93 | 64 |
| Avg / total | 0.95 | 0.95 | 0.95 | 171 |

Confusion Matrix:

|  |  |
| --- | --- |
| 104 | 3 |
| 6 | 58 |

**## SVM**

Testing accuracy score - 0.970760

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Precision | Recall | F1-score | Support |
| 0 | 0.96 | 0.99 | 0.98 | 107 |
| 1 | 0.98 | 0.94 | 0.96 | 64 |
| Avg / total | 0.97 | 0.97 | 0.97 | 171 |

Confusion Matrix:

|  |  |
| --- | --- |
| 106 | 1 |
| 4 | 60 |

**## GaussianNB**

Testing accuracy score - 0.941520

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Precision | Recall | F1-score | Support |
| 0 | 0.94 | 0.97 | 0.95 | 107 |
| 1 | 0.95 | 0.89 | 0.92 | 64 |
| Avg / total | 0.94 | 0.94 | 0.94 | 171 |

Confusion Matrix:

|  |  |
| --- | --- |
| 104 | 3 |
| 7 | 57 |

**## KNN**

Testing accuracy score - 0.959064

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Precision | Recall | F1-score | Support |
| 0 | 0.95 | 0.99 | 0.97 | 107 |
| 1 | 0.98 | 0.91 | 0.94 | 64 |
| Avg / total | 0.96 | 0.96 | 0.96 | 171 |

Confusion Matrix:

|  |  |
| --- | --- |
| 106 | 1 |
| 6 | 58 |