|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| SNO | HYPER  PARAMETER | LINEAR | RBF | POLY | SIGMOID |
| 1 | C=0.01 | -0.1557 | 0.0986 | -0.0977 | -0.0987 |
| 2 | C=100 | 0.5218 | -0.1550 | -0.13195 | -0.1241 |
| 3 | C=1.0 | -0.1484 | -0.0979 | -0.0797 | -0.0987 |
| 4 | C=0.001 | -0.0977 | -0.0987 | -0.0987 | -0.0987 |
| 5 | C=200 | 0.5777 | -0.1576 | -0.1296 | -0.1601 |
| 6 | C=300 | 0.5950 | -0.1580 | -0.1255 | -0.2276 |

2. SUPPORT VECTOR MACHINE :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNO | CRITERION  3.DECISION TREE | MAX FEATURE | SPLITTER | R SCORE |
| 1 | Squared\_error | Sqrt | Best | 0.6758 |
| 2 | Squared\_error | Sqrt | Random | 0.5706 |
| 3 | Squared\_error | Auto | Best | 0.7070 |
| 4 | Squared\_error | Auto | Random | 0.6795 |
| 5 | Squared\_error | Log2 | Best | 0.7867 |
| 6 | Squared\_error | Log2 | Random | 0.6874 |
| 7 | Friedman\_mse | Sqrt | Best | 0.6995 |
| 8 | Friedman\_mse | Sqrt | Random | 0.6818 |
| 9 | Friedman\_mse | Auto | Best | 0.6842 |
| 10 | Friedman\_mse | Auto | Random | 0.7062 |
| 11 | Friedman\_mse | Log2 | Best | 0.7202 |
| 12 | Friedman\_mse | Log2 | Random | 0.6826 |
| 13 | Absolute\_error | Sqrt | Best | 0.6885 |
| 14 | Absolute\_error | Sqrt | Random | 0.7514 |
| 15 | Absolute\_error | Auto | Best | 0.6865 |
| 16 | Absolute\_error | Auto | Random | 0.7183 |
| 17 | Absolute\_error | Log2 | Best | 0.6645 |
| 18 | Absolute\_error | Log2 | Random | 0.7218 |
| 19 | Poisson | Sqrt | Best | 0.6979 |
| 20 | Poisson | Sqrt | Random | 0.6728 |
| 21 | Poisson | Auto | Best | 0.7042 |
| 22 | Poisson | Auto | Random | 0.7343 |
| 23 | Poisson | Log2 | Best | 0.7567 |
| 24 | Poisson | Log2 | Random | 0.6408 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S NO | N\_ESTIMATORS | CRITERION | MAX-FEATURE | R\_SCORE |
| 1 | 10 | Squared\_error | Sqrt | 0.8521 |
| 2 | 50 | Squared\_error | Sqrt | 0.8705 |
| 3 | 10 | Squared\_error | Log2 | 0.8499 |
| 4 | 50 | Squared\_error | Log2 | 0.8652 |
| 5 | 10 | Squared\_error | Auto | 0.8463 |
| 6 | 50 | Squared\_error | Auto | 0.8586 |
| 7 | 10 | Friedman\_mse | Sqrt | 0.8579 |
| 8 | 50 | Friedman\_mse | Sqrt | 0.8690 |
| 9 | 10 | Friedman\_mse | Log2 | 0.8526 |
| 10 | 50 | Friedman\_mse | Log2 | 0.8656 |
| 11 | 10 | Friedman\_mse | Auto | 0.8620 |
| 12 | 50 | Friedman\_mse | Auto | 0.8716 |
| 13 | 10 | Absolute\_error | Sqrt | 0.8455 |
| 14 | 50 | Absolute\_error | Sqrt | 0.8711 |
| 15 | 10 | Absolute\_error | Log2 | 0.8484 |
| 16 | 50 | Absolute\_error | Log2 | 0.8693 |
| 17 | 10 | Absolute\_error | Auto | 0.8523 |
| 18 | 50 | Absolute\_error | Auto | 0.8566 |
| 19 | 10 | Poisson | Sqrt | 0.8597 |
| 20 | 50 | Poisson | Sqrt | 0.8660 |
| 21 | 10 | Poisson | Log2 | 0.8604 |
| 22 | 50 | Poisson | Log2 | 0.8649 |
| 23 | 10 | Poisson | Auto | 0.8522 |
| 24 | 50 | Poisson | Auto | 0.8599 |

4.RANDOM FOREST