|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.NO | **HYPER**  **PARAMETER** | **LINEAR**  **(R VALUR)** | **RBF**  **(NON LINEAR)**  **(r value)** | **POLY**  **(r value)** | **SIGMOID**  **(r value)** |
| 1. | C10 | -0.03964 | 0.05741 | -0.05366 | -0.05471 |
| 2. | C100 | 0.10646 | 0.05072 | -0.01980 | -0.03045 |
| 3. | C500 | 0.59289 | 0.24323 | 0.11468 | 0.07057 |
| 4. | C1000 | 0.78028 | 0.00676 | 0.26616 | 0.18506 |
| 5. | C2000 | 0.87677 | 0.06751 | 0.48100 | 0.39706 |
| 6. | C3000 | 0.89567 | 0.12322 | 0.63700 | 0.59136 |

**DECISION TREE**

|  |  |  |  |
| --- | --- | --- | --- |
| S.No | **CRITERION** | **SPLITTER** | **R VALUE** |
| 1. | Friedman\_mse | Best | 0.93765 |
| 2. | Friedman\_mse | Random | 0.88018 |
| 3. | Absolute\_error | Best | 0.93594 |
| 4. | Absolute\_error | Random | 0.94991 |
| 5. | Squard\_error | Best | 0.90202 |
| 6. | Squard\_error | Random | 0.90792 |
| 7. | Poisson | Random | 0.77405 |
| 8. | Poisson | best | 0.90637 |