|  |  |  |  |
| --- | --- | --- | --- |
| **S.No** | **Criterion** | **Splitter** | **R2 Score** |
| 1. | Squared Error | Best | 0.93 |
| 2. | Squared Error | Random | 0.945 |
| 3. | friedman\_mse | Best | 0.917 |
| 4. | friedman\_mse | Random | 0.779 |
| 5. | absolute\_error | Best | 0.955 |
| 6. | absolute\_error | Random | 0.846 |
| 7. | poisson | Best | 0.926 |
| 8. | poisson | Random | 0.919 |

**R2 score tabulation for Decision Tree:**

Highest R2 value for combination of **Criterion: absolute\_error** and **Splitter: Best is 0.955**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Kernel** | **Gamma** | **C** | **R2 Score** |
| 1. | Linear | Scale | 20000 | 0.930 |
| 2. | Linear | auto | 10000 | 0.89 |
| 3. | Poly | Auto | 20000 | 0.671 |
| 4. | Poly | Auto | 10000 | 0.812 |
| 5. | Poly | Scale | 20000 | 0.266 |
| 6. | Sigmoid | Scale | 20000 | 0.90 |
| 7. | rbf | scale | 20000 | 0.533 |
|  |  |  |  |  |

**R2 score tabulation for SVM:**

Highest R2 value for combination of **Kernel :Linear, Gamma: Scale; C:20000 gives R2 value 0.93**