To find following the Machine Learning Regression Method using in R2 value

Decision Tree

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.NO | CRITERION | MAX\_FEATURESINT | SPLITTER | R VALUE |
| 1 | friedman\_mse | sqrt | best | 0.459 |
| 2 | friedman\_mse | log2 | random | 0.591 |
| 3 | absolute\_error | sqrt | best | -0.356 |
| 4 | absolute\_error | log2 | random | -0.645 |
| 5 | Poisson | log2 | random | -0.356 |
| 6 | friedman\_mse | log2 | random | -0.492 |
| 7 | friedman\_mse | sqrt | best | -4.449 |
| 8 | absolute\_error | sqrt | random | -0.717 |

The Decision Tree Regression use R-value (friedman\_mse, log2, random) = 0.591