Decision Tree

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No** | **Criterion** | **Max Features** | **Splitter** | **R Score** |
| 1 | squared\_error | 30 | best | 91.4 |
| 2 | squared\_error | 30 | random | 91.64 |
| 3 | squared\_error | 0.3 | best | 71.1 |
| 4 | squared\_error | 0.8 | random | 73.51 |
| 5 | squared\_error | sqrt | best | 73.4 |
| 6 | squared\_error | sqrt | random | -73 |
| 7 | squared\_error | log2 | best | 14.8 |
| 8 | squared\_error | log2 | random | 66 |
| 9 | friedman\_mse | 30 | best | 91.1 |
| 10 | friedman\_mse | 30 | random | 94.8 |
| 11 | friedman\_mse | 0.8 | best | 77.6 |
| 12 | friedman\_mse | 0.8 | random | 76.6 |
| 13 | friedman\_mse | sqrt | best | 90.8 |
| 14 | friedman\_mse | sqrt | random | -11 |
| 15 | friedman\_mse | log2 | best | 81.4 |
| 16 | friedman\_mse | log2 | random | -18 |
| 17 | absolute\_error | 30 | best | 95.6 |
| 18 | absolute\_error | 30 | random | 78 |
| 19 | absolute\_error | float | best | 55.8 |
| 20 | absolute\_error | float | random | 13.3 |
| 21 | absolute\_error | sqrt | best | 81.4 |
| 22 | absolute\_error | sqrt | random | 86.7 |
| 23 | absolute\_error | log2 | best | 9.6 |
| 24 | absolute\_error | log2 | random | 82.4 |
| 25 | poisson | 30 | best | 92.7 |
| 26 | poisson | 30 | random | 91.1 |
| 27 | poisson | 0.8 | best | 71.5 |
| 28 | poisson | 0.8 | random | 89.8 |
| 29 | poisson | sqrt | best | 70 |
| 30 | poisson | sqrt | random | 39.4 |
| 31 | poisson | log2 | best | -27 |
| 32 | poisson | log2 | random | -32 |
| 33 | poisson | None | best | 93.3 |
| 34 | poisson | None | random | 88.36 |
| 35 | absolute\_error | None | random | 84.25 |
| 36 | absolute\_error | None | best | 94.29 |
| 37 | friedman\_mse | None | random | 87.1 |
| 38 | friedman\_mse | None | best | 90.9 |
| 39 | squared\_error | None | random | 33.1 |
| 40 | squared\_error | None | best | 91.4 |