**Decision Tree comparison**

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| **S.No** | **Criterion** | **Max Feature** | **Splitter** | **R Value** |
|  | squared\_error (default) | auto | best (default) | (error) |
| 1 | mse | auto | best (default) | 0.9034 |
| 2 | mse | auto | random | 0.8692 |
| 3 | mse | sqrt | best | 0.6486 |
| 4 | mse | sqrt | random | 0.5359 |
| 5 | mse | log2 | best | 0.7832 |
| 6 | mse | log2 | random | 0.0460 |
| 7 | friedman\_mse | auto | best | 0.9193 |
| 8 | friedman\_mse | auto | random | 0.8498 |
| 9 | friedman\_mse | sqrt | best | 0.7541 |
| 10 | friedman\_mse | sqrt | random | 0.7279 |
| 11 | friedman\_mse | log2 | best | 0.8053 |
| 12 | friedman\_mse | log2 | random | 0.5993 |
|  | absolute\_error | auto | best | (error) |
| 13 | mae | auto | best | 0.9247 |
| 14 | mae | auto | random | 0.8483 |
| 15 | mae | sqrt | best | 0.6127 |
| 16 | mae | sqrt | random | 0.2544 |
| 17 | mae | log2 | best | 0.6630 |
| 18 | mae | log2 | random | 0.6725 |
| 19 | poisson | auto | best | 0.7378 |
| 20 | poisson | auto | random | 0.5516 |
| 21 | poisson | sqrt | best | 0.1347 |
| 22 | poisson | sqrt | random | 0.5731 |
| 23 | poisson | log2 | best | 0.2940 |
| 24 | poisson | log2 | random | 0.4427 |