|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | criterion | Max features | N\_estimators | R value |
| 1. | Squared\_error | None | 50 | 0.94 |
| 2. | Squared\_error | None | 100 | 0.94 |
| 3. | Squared\_error | Sqrt | 50 | 0.75 |
| 4. | Squared\_error | sqrt | 100 | 0.79 |
| 5. | Squared\_error | Log2 | 50 | 0.76 |
| 6. | Squared\_error | Log2 | 100 | 0.76 |
| 7 | Friedman\_mse | None | 50 | 0.92 |
| 8 | Friedman\_mse | None | 100 | 0.94 |
| 9 | Friedman\_mse | Sqrt | 50 | 0.82 |
| 10 | Friedman\_mse | sqrt | 100 | 0.82 |
| 11 | Friedman\_mse | Log2 | 50 | 0.80 |
| 12 | Friedman\_mse | Log2 | 100 | 0.79 |
| 13 | Absolute\_error | None | 50 | 0.93 |
| 14 | Absolute\_error | None | 100 | 0.94 |
| 15 | Absolute\_error | Sqrt | 50 | 0.83 |
| 16 | Absolute\_error | sqrt | 100 | 0.84 |
| 17 | Absolute\_error | Log2 | 50 | 0.81 |
| 18 | Absolute\_error | Log2 | 100 | 0.83 |
| 19 | poisson | None | 50 | 0.94 |
| 20 | poisson | None | 100 | 0.93 |
| 21 | poisson | Sqrt | 50 | 0.78 |
| 22 | poisson | sqrt | 100 | 0.76 |
| 23 | poisson | Log2 | 50 | 0.81 |
| 24 | poisson | Log2 | 100 | 0.72 |

Best hyperparameter combo to proceed with is squared error – none – 50 that yields a result of 0.94 r score