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| **SL.No** | **CRITERION** | **MAX FEATURES** | **SPLITER** | **R2\_VALUE** |
| 1 | friedman\_mse | auto | best | **0.925** |
| 2. | friedman\_mse | auto | random | 0.900 |
| 3. | friedman\_mse | sqrt | best | 0.837 |
| 4. | friedman\_mse | sqrt | random | 0.844 |
| 5. | friedman\_mse | log2 | best | 0.315 |
| 6 | friedman\_mse | log2 | random | 0.471 |
| 7. | absolute\_error(mae) | auto | best | 0.957 |
| 8. | mae | auto | random | 0.654 |
| 9. | mae | sqrt | best | 0.823 |
| 10. | mae | sqrt | random | 0.852 |
| 11. | mae | log2 | best | 0.771 |
| 12. | mae | log2 | random | 0.512 |
| 13. | squared\_error(mse) | auto | best | 0.923 |
| 14. | mse | auto | random | 0.933 |
| 15. | mse | sqrt | best | 0.809 |
| 16. | mse | sqrt | random | 0.403 |
| 17 | mse | log2 | best | 0.421 |
| 18. | mse | log2 | random | 0.400 |