DECISION TREE:

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| **SI.NO** | **CRITERION** | **SPLITTER** | **MAX\_FEAURES** | **R VALUE** |
| 1 | *friedman\_mse* | best | sqrt | 0.01916 |
| 2 | *friedman\_mse* | random | sqrt | 0.84097 |
| 3 | *friedman\_mse* | best | log2 | 0.62467 |
| 4 | *friedman\_mse* | random | log2 | 0.38290 |
| 5 | *friedman\_mse* | best | none | 0.89046 |
| 6 | *friedman\_mse* | random | none | 0.91800 |
| 7 | *squared\_error* | best | sqrt | 0.50489 |
| 8 | *squared\_error* | random | sqrt | 0.37481 |
| 9 | *squared\_error* | best | log2 | 0.85084 |
| 10 | *squared\_error* | random | log2 | 0.30559 |
| 11 | *squared\_error* | best | none | 0.90287 |
| 12 | *squared\_error* | random | none | 0.89468 |
| 13 | *absolute\_error* | best | sqrt | 0.50925 |
| 14 | *absolute\_error* | random | sqrt | 0.31132 |
| 15 | *absolute\_error* | best | log2 | 0.88937 |
| 16 | *absolute\_error* | random | log2 | 0.72734 |
| 17 | *absolute\_error* | best | none | 0.95984 |
| 18 | *absolute\_error* | random | none | 0.77356 |
| 19 | *Poisson* | best | sqrt | 0.76451 |
| 20 | *Poisson* | random | sqrt | 0.81426 |
| 21 | *Poisson* | best | log2 | 0.64839 |
| 22 | *Poisson* | random | log2 | 0.23224 |
| 23 | *Poisson* | best | none | 0.92184 |
| 24 | *Poisson* | random | none | 0.36801 |

The Decision Tree Regression use R value (*absolute\_error,* best*,* none) = 0.95984