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| --- | --- | --- | --- | --- | --- | --- |
| **DECISION TREE:** | |  |  |  |  |  |
| SL.NO | ***criterion*** | ***splitter*** | ***min\_samples\_split*** | ***min\_samples\_leaf=1*** | ***max\_features*** | ***R SCORE*** |
| 1 | *squared\_error* | *best* | 2 | 1 | none | 0.93 |
| 2 | *squared\_error* | *random* | 2 | 1 | none | 0.72 |
| 3 | *friedman\_mse* | *best* | 2 | 1 | none | 0.92 |
| 4 | *absolute\_error* | *best* | 2 | 1 | none | 0.93 |
| 5 | *poisson* | *best* | 2 | 1 | none | 0.73 |
| 6 | *friedman\_mse* | *random* | 2 | 1 | none | 0.93 |
| 7 | *absolute\_error* | *random* | 2 | 1 | none | 0.95 |
| 8 | *poisson* | *random* | 2 | 1 | none | 0.29 |
| 9 | *squared\_error* | *best* | 2 | 1 | *sqrt* | 0.65 |
| 10 | *squared\_error* | *best* | 2 | 1 | *log2* | 0.6 |
| 11 | *squared\_error* | *random* | 2 | 1 | *sqrt* | 0.84 |
| 12 | *squared\_error* | *random* | 2 | 1 | *log2* | 0.5 |
| 13 | *friedman\_mse* | *best* | 2 | 1 | *sqrt* | 0.82 |
| 14 | *friedman\_mse* | *best* | 2 | 1 | *log2* | 0.55 |
| 15 | *friedman\_mse* | *random* | 2 | 1 | *sqrt* | 0.68 |
| 16 | *friedman\_mse* | *random* | 2 | 1 | *log2* | 0.79 |
| 17 | *absolute\_error* | *best* | 2 | 1 | *sqrt* | 0.55 |
| 18 | *absolute\_error* | *best* | 2 | 1 | *log2* | -0.01 |
| 19 | *absolute\_error* | *random* | 2 | 1 | *sqrt* | 0.84 |
| 20 | *absolute\_error* | *random* | 2 | 1 | *log2* | 0.71 |
| 21 | *poisson* | *best* | 2 | 1 | *sqrt* | 0.41 |
| 22 | *poisson* | *best* | 2 | 1 | *log2* | 0.55 |
| 23 | *poisson* | *random* | 2 | 1 | *sqrt* | -0.56 |
| 24 | *poisson* | *random* | 2 | 1 | *log2* | 0.73 |
| 25 | *squared\_error* | *best* | 2 | 5 | *sqrt* | 0.67 |
| 26 | *squared\_error* | *best* | 2 | 5 | *log2* | 0.58 |
| 27 | *squared\_error* | *random* | 2 | 5 | *sqrt* | 0.87 |
| 28 | *squared\_error* | *random* | 2 | 5 | *log2* | 0.63 |
| 29 | *friedman\_mse* | *best* | 2 | 5 | *sqrt* | 0.79 |
| 30 | *friedman\_mse* | *best* | 2 | 5 | *log2* | -0.02 |
| 31 | *friedman\_mse* | *random* | 2 | 5 | *sqrt* | 0.56 |
| 32 | *friedman\_mse* | *random* | 2 | 5 | *log2* | 0.72 |
| 33 | *absolute\_error* | *best* | 2 | 5 | *sqrt* | 0.76 |
| 34 | *absolute\_error* | *best* | 2 | 5 | *log2* | 0.45 |
| 35 | *absolute\_error* | *random* | 2 | 5 | *sqrt* | 0.9 |
| 36 | *absolute\_error* | *random* | 2 | 5 | *log2* | 0.19 |
| 37 | *poisson* | *best* | 2 | 5 | *sqrt* | 0.17 |
| 38 | *poisson* | *best* | 2 | 5 | *log2* | 0.33 |
| 39 | *poisson* | *random* | 2 | 5 | *sqrt* | 0.29 |
| 40 | *poisson* | *random* | 2 | 5 | *log2* | 0.43 |