Random Forest Regressor\_hyper paramenter with R2\_score values

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| --- | --- | --- | --- | --- | --- |
| Sl.No | n\_estimators=100 | criterion | max\_features | C\_Value |  |
| 1 | 100 | - | - | 0.825049122017278 |  |
| 2 | 100 | squared\_error | sqrt | 0.8388598173145339 |  |
| 3 | 50 | squared\_error | squrt | 0.8369776106713841 |  |
| 4 | 100 | squared\_error | log2 | 0.8388598173145339 |  |
| 5 | 50 | squared\_error | log2 | 0.8369776106713841 |  |
| 6 | 100 | friedman\_mse | squrt | 0.8390780475542116 |  |
| 7 | 100 | friedman\_mse | log2 | 0.8390780475542116 |  |
| 8 | 50 | absolute\_error | sqrt | 0.843193121438361 | Best Model |
| 9 | 50 | absolute\_error | log2 | 0.843193121438361 | Best Model |
| 10 | 50 | poisson | sqrt | 0.8409579434651613 |  |
| 11 | 50 | poisson | log2 | 0.8409579434651613 |  |
| 12 | 100 | poisson | log2 | 0.8417099421816833 |  |
|  |  |  |  |  |  |

n\_estimators=50, random\_state=0, criterion='absolute\_error', max\_features='sqrt' R\_value=0.843193121438361

n\_estimators=50, random\_state=0, criterion='absolute\_error', max\_features='log2' R\_value=0.843193121438361