**Without Arguments passed:**

**R\_Score value = 0.93448**

**Standardised:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SI.No** | **criterion** | **N**\_**estimator** | **max\_features** | **r2\_score** |
| **1** | ***squared\_error*** | ***50*** | ***None*** | 0.93224 |
| **2** | ***squared\_error*** | ***100*** | ***None*** | 0.94356 |
| **3** | ***squared\_error*** | ***50*** | ***Sqrt*** | 0.80461 |
| **4** | ***squared\_error*** | ***100*** | ***Sqrt*** | 0.80286 |
| **5** | ***squared\_error*** | ***50*** | ***log2*** | 0.77359 |
| **6** | ***squared\_error*** | ***100*** | ***log2*** | 0.76983 |
| **7** | ***friedman\_mse*** | ***50*** | ***None*** | 0.92221 |
| **8** | ***friedman\_mse*** | ***100*** | ***None*** | 0.94167 |
| **9** | ***friedman\_mse*** | ***50*** | ***Sqrt*** | 0.78191 |
| **10** | ***friedman\_mse*** | ***100*** | ***Sqrt*** | 0.74289 |
| **11** | ***friedman\_mse*** | ***50*** | ***log2*** | 0.80473 |
| **12** | ***friedman\_mse*** | ***100*** | ***log2*** | 0.77944 |
| **13** | ***absolute\_error*** | ***50*** | ***None*** | 0.94157 |
| **14** | ***absolute\_error*** | ***100*** | ***None*** | 0.94649 |
| **15** | ***absolute\_error*** | ***50*** | ***Sqrt*** | 0.78846 |
| **16** | ***absolute\_error*** | ***100*** | ***Sqrt*** | 0.78276 |
| **17** | ***absolute\_error*** | ***50*** | ***log2*** | 0.76121 |
| **18** | ***absolute\_error*** | ***100*** | ***log2*** | 0.76691 |
| **19** | ***Poisson*** | ***50*** | ***None*** | 0.94673 |
| **20** | ***Poisson*** | ***100*** | ***None*** | 0.93772 |
| **21** | ***Poisson*** | ***50*** | ***Sqrt*** | 0.79086 |
| **22** | ***Poisson*** | ***100*** | ***Sqrt*** | 0.75913 |
| **23** | ***Poisson*** | ***50*** | ***log2*** | 0.78562 |
| **24** | ***poisson*** | ***100*** | ***log2*** | 0.76000 |

Random Forest Regression using hyper tuning parameter with ***Poisson, 50, None has highest Accuracy of about 0.94673***