RANDOM FOREST

Random Forest accuracy value (R2) for Hyper parameter n_estimators=100, criterion=' absolute_error' is **0.9462**

```
from sklearn.ensemble import RandomForestRegressor
regressor=RandomForestRegressor(n_estimators=100, criterion='absolute_error')
regressor.fit(x_train,y_train)
```

Sl no	N_Estimators	Criterion	Max features	R Value
1	50	squared_error	None	0.9180
2	100	squared_error	None	0.9413
3	50	squared_error	Sqrt	0.8064
4	100	squared_error	Sqrt	0.8043
5	50	squared_error	Log2	0.7926
6	100	squared_error	Log2	0.7877
7	50	friedman_mse	None	0.9338
8	100	friedman_mse	None	0.9298
9	50	friedman_mse	Sqrt	0.8182
10	100	friedman_mse	Sqrt	0.8376
11	50	friedman_mse	Log2	0.7982
12	100	friedman_mse	Log2	0.8041
13	50	absolute_error	None	0.9328
14	100	absolute_error	None	0.9462
15	50	absolute_error	Sqrt	0.8091
16	100	absolute_error	Sqrt	0.8632
17	50	absolute_error	Log2	0.7805
18	100	absolute_error	Log2	0.8116
19	50	Poisson	None	0.9384
20	100	Poisson	None	0.9417
21	50	Poisson	Sqrt	0.7364
22	100	Poisson	Sqrt	0.7825
23	50	Poisson	Log2	0.6997
24	100	poisson	Log2	0.7827