HYPER TUNNING ASSIGNMENT

SUPPORT VECTOR MACHINE

50_Startups

kernel	R2 value
Poly	0.6370
sigmoid	-0.0572
Linear	-0.0574
Rbf	-0.0574
Linear ,C=3000	**0.8956**
Poly, C=3000	0.6370
Sigmoid,C=3000	0..5913

DECISION TREE

Criterion	Splitter	R2value
Mae	best	0.9552
Friedman_mse	best	0.9291
Friedman_mse	random	0.9311
Mae	random	0.8859
Mae	Random,sqrt	-0.068

RANDOM FOREST

N_Estimators	Max_Features	R2 value
100	sqrt	0.7932
10	Log2	0.8129
100	Log2	0.8416
50	sqrt	0.7667
100	auto	0.9356
100	Auto,random_state=0	0.9460
10	sqrt	0.8830