Machine Learning

1. Simple Linear Regression (SLR)

r value : 0.9740993407213511

2. Multiple Linear Regression (MLR)

r value : 0.8752655285748308

3. Support Vector Machine (SVM)

S.No.	Hyper Parameter	Linear (r value)	Rbf (r value)	Sigmoid (r value)
1	C10	-0.10688472989969555	-0.1252866489876978	-0.12282399885801709
2	C100	0.043028787192186724	-0.12082928043721641	-0.09643982602560075
3	C500	0.5352294370636045	-0.10145561220944055	0.006463608193940318
4	C1000	0.7942555097665868	-0.08004178386944938	0.13765819775656585
5	C2000	0.8702566771208996	-0.030598045144669017	0.3607138793038652
6	C3000	0.8584113827650428	0.019267014815530947	0.498686411516731

4. Decision Tree (DT)

S.No.	Criterion	Max Features	Splitter	R Value
1	squared_error		best	0.8703329257281747
2	squared_error		random	0.915127746813233
3	friedman_mse		best	0.894941237346528
4	friedman_mse		random	0.873574439994718
5	absolute_error		best	0.9124565184225324
6	absolute_error		random	0.7591741617411957
7	poisson		best	0.9180709939149946
8	poisson		random	0.887801824733989