

# HYPER TUNING PARAMETER

## SUPPORT VECTOR MACHINE(SVM):

S.No	REGULARIZATION PARAMETER	LINEAR R <sup>2</sup> Score	RBF(DEFAULT) R <sup>2</sup> Score	SIGMOID R <sup>2</sup> Score	POLY R <sup>2</sup> Score
1	C=1.0(Default)	-947.610	-0.057485	-0.05700	-7.853
2	C=10	-977415	-0.057478	-0.052748	-7.85328
3	C=100	-762499	-0.057407	-0.018602	-7.85328
4	C=500	-1326849	-0.055846	-0.015261	-1.94866

**Model:** Support Vector Machine.

**Kernal:** Sigmoid

**Regularization Parameter:** C=500

**R<sup>2</sup> Score:** -0.015261

Here Support vector machine (SVM) algorithm is not suitable for this give dataset. So, provide best among that.