

## Support Vector Machine - REGRESSION

**R\_ Score value = -0.05732**

**Standardised:**

SI.No	HYPER PARAMETER	linear	rbf	Poly	Sigmoid
1	<b>C=1.0</b>	-0.05741	-0.05741	-0.05710	-0.05721
2	<b>C=10.0</b>	-0.05680	-0.05680	-0.05472	-0.05472
3	<b>C=100.0</b>	0.10646	-0.05072	-0.03045	-0.03045
4	<b>C=500.0</b>	0.59289	-0.02432	0.11468	0.07057
5	<b>C=1000.0</b>	0.78028	0.00676	0.26616	0.18506
6	<b>C=2000.0</b>	0.87677	0.06751	0.48100	0.39706
7	<b>C=3000.0</b>	0.89567	0.12322	0.63700	0.59136
8	<b>C=4000</b>	0.89723	0.17238	0.73263	0.62823
9	<b>C=5000</b>	0.90037	0.21242	0.79365	0.73065
10	<b>C=10000</b>	0.92399	0.37189	0.81296	0.85353

SVM Regression using hyper tuning parameter with **C = 10000** in **Linear** has **0.92399 Highest Accuracy**.

