**Support Vector Machine – REGRESSION**

**Without Standardisation:**

**R\_Score value =** -0.05732

**Standardised:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SI.No** | **HYPER PARAMETER** | **LINEAR** | **rbf** | **Poly** | **sigmoid** |
| **1** | **C=1.0** | -0.05569 | -0.057418393 | -0.05710 | -0.05721 |
| **2** | **C=10.0** | -0.03964 | -0.056807592 | -0.05367 | -0.05472 |
| **3** | **C=100.0** | 0.10647 | -0.050726022 | -0.01980 | -0.03045 |
| **4** | **C=500.0** | 0.59290 | -0.024323348 | 0.114684 | 0.07057 |
| **5** | **C=1000.0** | 0.78028 | 0.0067683444 | 0.266163 | 0.18507 |
| **6** | **C=2000.0** | 0.87677 | 0.0675155427 | 0.481002 | 0.39707 |
| **7** | **C=3000.0** | 0.89567 | 0.1232275662 | 0.637006 | 0.59136 |

SVM Regression using hyper tuning parameter with **C**=**3000** in **Linear** has **0.8956 Highest Accuracy.**