SUPPORT VECTOR MACHINE

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| **SL. NO** | **HYPER  PARAMETER** | **LINEAR  (r value)** | **RBF (NON LINEAR) (r value)** | **POLY (r value)** | **SIGMOID (r value)** |
| 1 | C10 | -0.039644947 | -0.056807593 | -0.053667205 | -0.054719583 |
| 2 | C100 | 0.106468196 | -0.050726023 | -0.019802139 | -0.030453515 |
| 3 | C500 | 0.592897727 | -0.024323348 | 0.114684807 | 0.070572145 |
| 4 | C1000 | 0.780283988 | 0.006768344 | 0.266163709 | 0.18506862 |
| 5 | C2000 | 0.876772169 | 0.067515543 | 0.481002816 | 0.397065287 |
| 6 | C3000 | 0.895674469 | 0.123227566 | 0.63700642 | 0.591363021 |

The best model for SVM: Linear and Hyper parameter C=3000 >> 0.895674469