To find the R2 score by passing kernel and C parameter in SVR function

Support Vector Machine:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| S.No | Hyper  Parameter  (C value) | Linear  (r score) | RBF  (r score) | Poly  (r score) | Sigmoid  (r score) | Precomputed  (r score) |
| 1 | 10 | -0.0396 | -0.0568 | -0.0536 | -0.0547 | This kernel isn’t support. If we apply then getting the below error. Expecting Matrix format isn’t support with our data |
| 2 | 100 | 0.1064 | -0.0507 | -0.0198 | -0.0304 |
| 3 | 500 | 0.5928 | -0.0243 | 0.1146 | 0.0705 |
| 4 | 1000 | 0.7802 | 0.0067 | 0.2661 | 0.1850 |
| 5 | 2000 | 0.8767 | 0.0675 | 0.4810 | 0.3970 |
| 6 | 3000 | 0.8956 | 0.1232 | 0.6370 | 0.5913 |
| 7 | 4000 | 0.8972 | 0.1723 | 0.7326 | 0.6282 |

Get **R2** score near to 1 when kernel is **linear** and C is **4000** = **0.8972**