Different Machine learning Regression methods to find r2 values

1. Simple Linear Regression:

R2 Value: 0. 97409934

1. Multiple Linear Regression:

R2 Value: 0.9358680

1. Support Vector Machine:

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| --- | --- | --- | --- | --- | --- |
| S.NO | Hyper Parameter | R2 Value | | | |
| Linear | RBF | Poly | Sigmoid |
| 1 | C10 | -2.437 | -0.0558 | 0.02531 | -0.05761 |
| 2 | C100 | -357.07 | -0.03023 | 0.46566 | -0.05878 |
| 3 | C500 |  | 0.05001 | 0.62077 | -0.0640 |
| 4 | C1000 |  | 0.1606 | 0.64032 | -0.07070 |
| 5 | C2000 |  | 0.2883 | 0.671747 | -0.08453 |
| 6 | C3000 |  | 0.3951 | 0.69099 | -0.09898 |

In SVM regression R2 value is best for kernel Ploy(C=3000): 0.69099