***Find the machine learning regression using r2 value***

1. Multiple linear regression (r2 value=0.935)
2. Support vector machine :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.NO** | ***C***  ***Parameter*** | ***Linear***  ***(r value)*** | ***Poly***  ***(r value)*** | ***Rbf***  ***(r value)*** | ***Sigmoid***  ***(r value)*** |
| 1 |  | 0.8950 | -0.0571 | -0.0574 | -0.0572 |
| 2 | C=0.01 | 0.933 | -0.0574 | -0.0574 | -0.05748 |
| 3 | C=10 | -2.43 | -0.0536 | -0.0568 | -0.0547 |
| 4 | C=100 | -357.0 | -0.0198 | -0.0507 | -0.0304 |
| 5 | C=1000 | -36014 | 0.2661 | 0.0067 | 0.1856 |
|  |  |  |  |  |  |

The svm Regression use r2 value. ***(C Parameter linear c=0.01=0.933)***