**Adaboost-Regression Algorithm**

**Adaboost Algorithm**:

AdaBoostRegressor(estimator=None, n\_estimators=50, learning\_rate=1.0, loss='linear', random\_state=None), got r\_score = **0.85594**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No | loss | n\_estimators | learning\_rate | Random\_state | R value |
| 1 | ***square*** | 100 | 2.4 | 1 | 0.80924 |
| 2 | ***square*** | 150 | 3.7 | 2 | -1.42591 |
| 3 | ***square*** | 200 | 5.9 | 3 | -14.52818 |
| 4 | ***square*** | 250 | 7.4 | 4 | -15.20619 |
| 5 | ***exponential*** | 100 | 2.4 | 1 | 0.50000 |
| 6 | ***exponential*** | 150 | 3.7 | 2 | 0.51400 |
| 7 | ***exponential*** | 200 | 5.9 | 3 | 0.25154 |
| 8 | ***exponential*** | 250 | 7.4 | 4 | -0.13270 |

Using AdaboostRegressor, with default values, we got high accuracy as 0.85594

**\*\*\* Thank you, mam. \*\*\***