**MACHINE LEARNING REGRESSION**

**INSURANCE CHARGES PREDICTION**

**ADA BOOSTING REGRESSION**

The Ada Boosting Regression best using hyper parameter

**R2-Score Value** =

**(RANDOM\_STATE,N\_ESTIMATORS,LEARNING\_RATE,LOSS) =(0.8618)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.NO** | **RANDOM\_STATE** | **N\_ESTIMATORS** | **LEARNING\_RATE** | **LOSS** | **R2-SCORE** |
| 1 | 0 | 50 | 1.0 | Linear | 0.8617 |
| 2 | 0 | 100 | 1.0 | Linear | 0.8618 |
| 3 | 0 | 100 | 1.0 | Square | 0.4842 |
| 4 | 0 | 50 | 1.0 | Square | 0.4805 |
| 5 | 0 | 50 | 1.0 | Exponential | 0.6238 |
| 6 | 0 | 100 | 1.0 | exponential | 0.5494 |

The Ada Boosting Regression best

**R2-Score Value** =

**(RANDOM\_STATE,N\_ESTIMATORS,LEARNING\_RATE,LOSS) =(0.8618))**