|  |  |  |  |
| --- | --- | --- | --- |
| **Si.no** | **estimator** | **Tuning parameters** | **R value** |
| **1.** | random\_state=0 | n\_estimators=100 | **0.84** |
| **2.** | random\_state=10 | n\_estimators=100 | **0.86** |
| **3.** | random\_state=12 | n\_estimators=100 | **0.85** |
| **4.** | random\_state=15 | n\_estimators=100 | **0.86** |
| **5.** | random\_state=15 | learning\_rate=1.0 | **0.86** |
| **6.** | random\_state=15 | learning\_rate=2.0 | **0.87** |
| **7.** | random\_state=15 | learning\_rate=3.0 | **0.76** |
| **8.** | random\_state=10 | learning\_rate=2.0 | **0.88** |
| **9.** | random\_state=10 | learning\_rate=2.0 | **0.88** |
| **10** | random\_state=11 | learning\_rate=2.0 | **0.87** |
| **11.** | random\_state=15 | loss='linear' | **0.86** |
| **12.** | random\_state=7 | loss='linear' | **0.84** |

**1.ADA BOOSTING**