1. Write your observations about the Classifier’s behavior with respect to the

number of estimators

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Estimator | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 |
| RF Accuracy Score | 0.837 | 0.8372 | 0.8366 | 0.837 | 0.837 | 0.837849 | 0.837644 | 0.838122 | 0.837985 | 0.838054 |

2. Is there an optimal value of the estimator within the given range?

Yes. When estimator is 400 – RF Accuracy score reached 0.838122