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

number of estimators

It can be observed that the accuracy of estimator decreases continuously within the range of [50,150]. Within the range [150,500], accuracy continues to improve. It reaches the highest value when the Estimator is 400

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

Yeah. The optimal solution is when Estimator is equal to 400, the accuracy equal to 0.8381.