03/06/2021

20181CSE0621
Sai Ram
6-CSE-1D

Part-B

Q.4) **BAGGING:-**

- It is an ensemble method to decrease the variance of the predicted model by generating additional data in the training stage.
- It is also called Bootstrap Aggregation.
- Multiple models of the same learning algorithm are trained with bootstraped sample of the original data set.
- The splitting of the data takes place and the majority of all the predictions is considered.
- The variance of the model drastically decreases in this case.

→ **BOOSTING:**

- An iterative procedure to adaptively change distribution of training data by focusing more on previously misclassified record.
- Records that are wrongly classified will have their weights increased. Correct classification records weights will be decreased.
- Bagging is a way to decrease variance of predicted model by generating additional data in training stage.

20181CSE0621
Sai Ram.

classmate
Date
Page

—> Diagram for Bagging & Boosting