WSEMBLE TECHNIQUE:--> Combining multiple model Weak learner 1 base learner - (single model) -> high bias / high vaciance. Bies-Variance Trade off (Low Bias, Low Variance)

-> combine multiple (base) learners to create a strong model. -> Ensemble technique is used to reduce variance. Two Major Techniques: Bagging (parallet) Boosting (sequential) Other techniques: Stacking e Pasting but not good in terms of performance. Bagging (Bootstrap Aggregation):-Aggregation

maximum will be output for classification.

> Its always done row sampling with replacement (Bootstrap) - Combining the O/P all the model is known as Aggregation. -) XII the weak learners (single model) are trained pourallely. 7 homogeneous weak learner Rogression (Bagging) Continuous data

John ref J -> 4.8 parallel (100) models Training

Date .....