Learn the following from ML on your own -: PCS, NPCA

Random Forest  
Accuracy of this is great  
Accuracy of random forest is around that of neural networks

Decision tree  
many if-else statements (if-else-if ladder) are there in the particular block

Information gain  
I.G.=Gini(dependable variable)-  
Gini = 1-

|  |  |  |
| --- | --- | --- |
| Gender | Occupation | App |
| M | student | Games |
| F | student | Games |
| T | Tech | GitHub |
| F | Tech | Kaggle |
| F | Fashion | Meesho |
| M | Tech | WhatsApp |
| T | student | Games |

Ensemble learning  
Types  
Bagging The training is done in parallel



Boosting The time and space complexity of this model is very high. This is working serially



This has a very big issue.  
 The probability of us getting wrong through several wrong outputs is very small



Stacking(Boosting + Bagging)



Random Forest  
It is a random case of bagging. If all the models become a decision tree, it will be boosting(see from the ppt)

