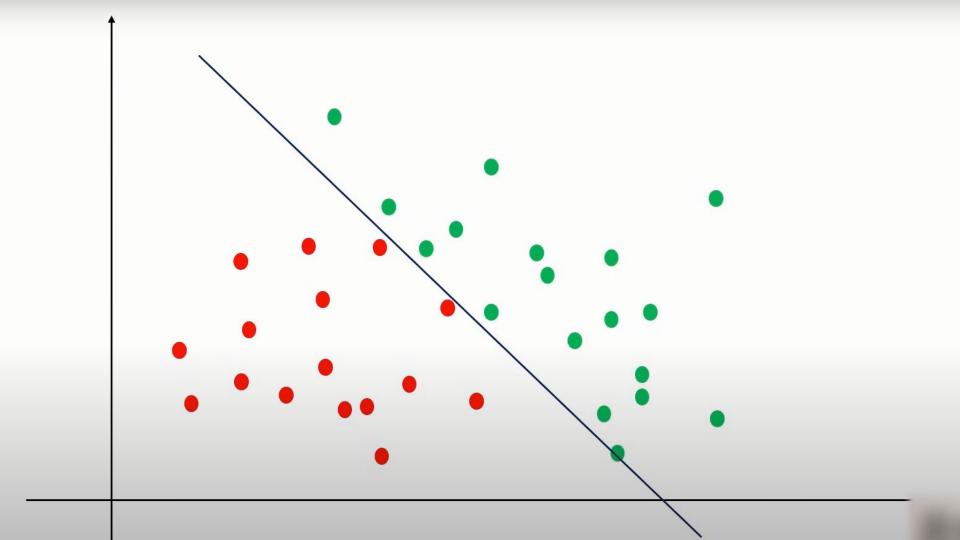
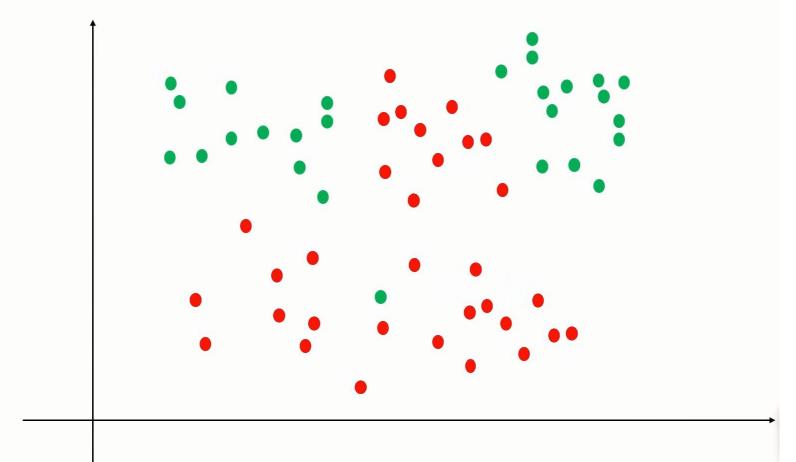
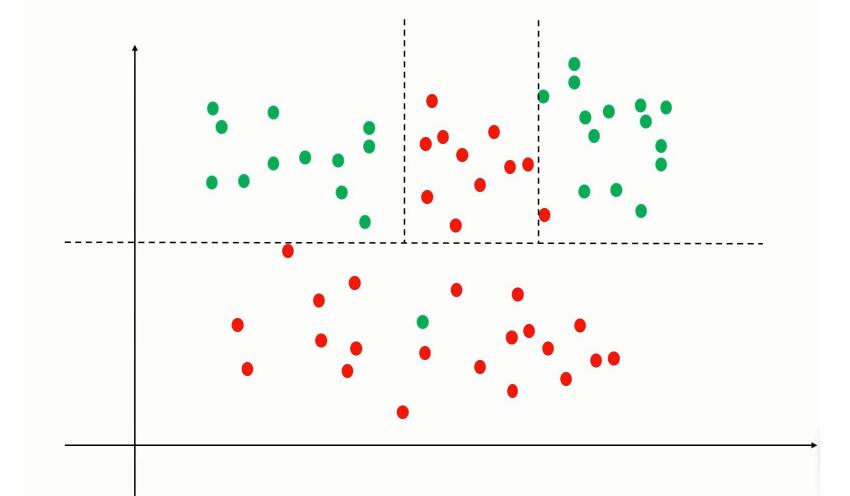
Decision Tree







Company	Job	Degree	Salary_more_then_100k
google	sales executive	bachelors	0
google	sales executive	masters	0
google	business manager	bachelors	1
google	business manager	masters	1
google	computer programmer	bachelors	0
google	computer programmer	masters	1
abc pharma	sales executive	masters	0
abc pharma	computer programmer	bachelors	0
abc pharma	business manager	bachelors	0
abc pharma	business manager	masters	1
facebook	sales executive	bachelors	1
facebook	sales executive	masters	1
facebook	business manager	bachelors	1
facebook	business manager	masters	1
facebook	computer programmer	bachelors	1
facebook	computer programmer	masters	1



Google

google sales executive bachelors google sales executive masters google bachelors business manager google business manager masters google computer programmer bachelors google computer programmer masters

Facebook

facebook	sales executive	bachelors
facebook	sales executive	masters
facebook	business manager	bachelors
facebook	business manager	masters
facebook	computer programmer	bachelors
facebook	computer programmer	masters

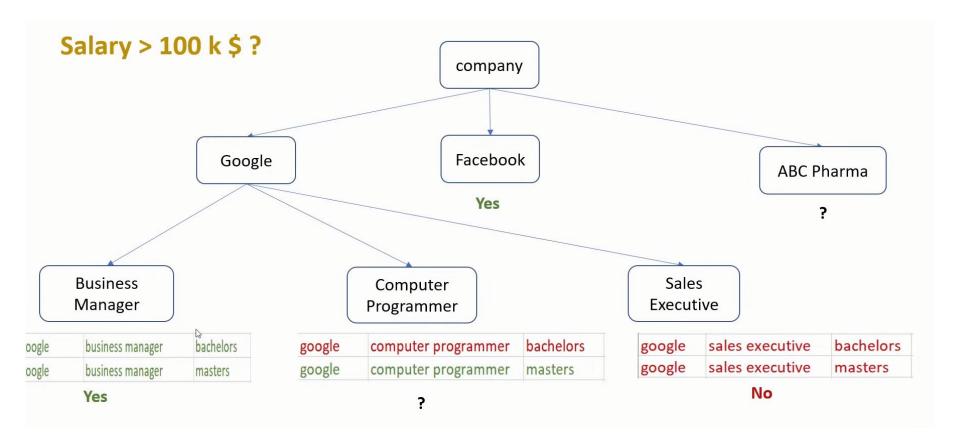
ABC Pharma

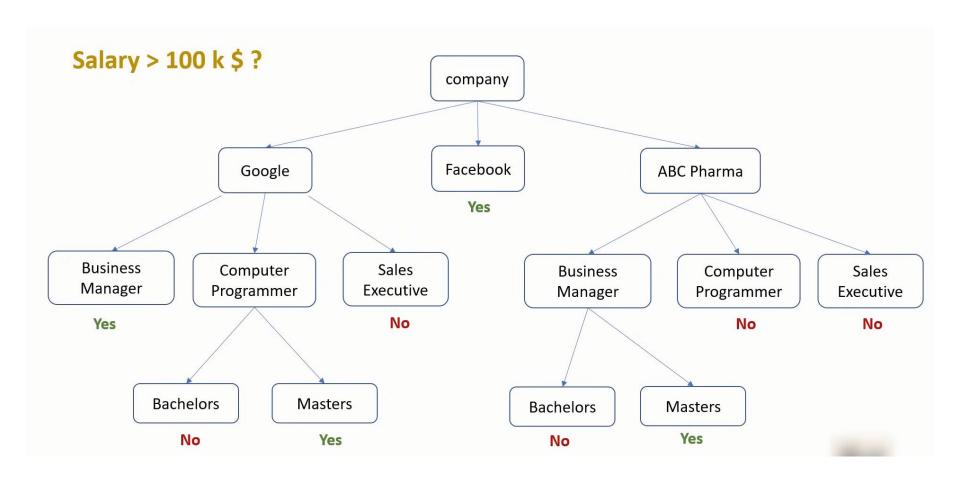
abc pharma	sales executive	masters	
abc pharma	computer programmer	bachelors	
abc pharma	business manager	bachelors	
abc pharma	business manager	masters	

?

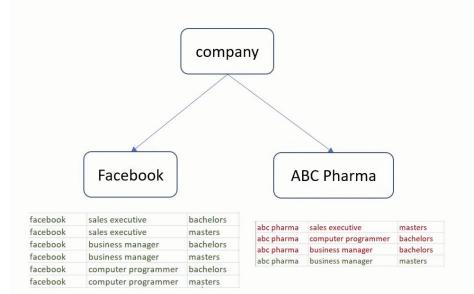
?

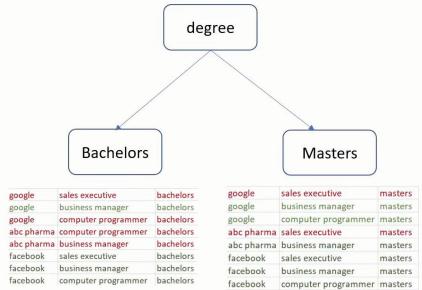
Yes

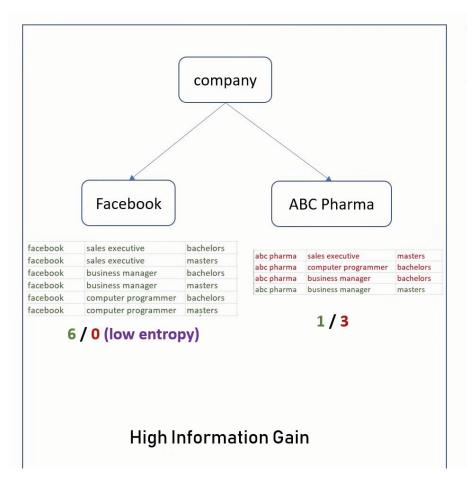


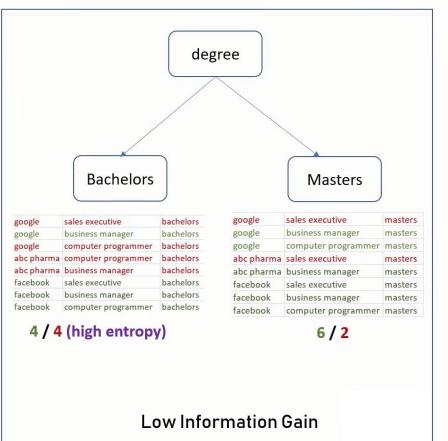


How do you select ordering of features?







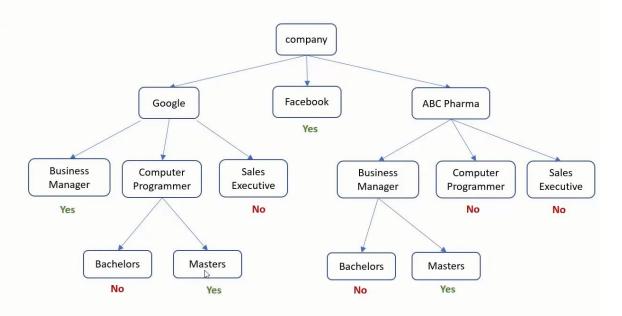


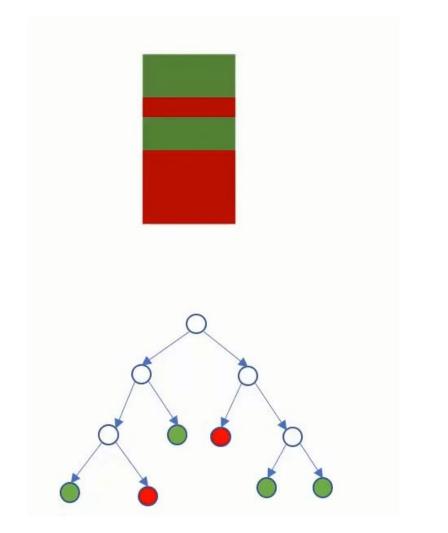
Gini Impurity

Random Forest

Company	Job	Degree	Salary_more_th
			en_100k
google	sales executive	bachelors	0
google	sales executive	masters	0
google	business manager	bachelors	1
google	business manager	masters	1
google	computer programmer	bachelors	0
google	computer programmer	masters	1
abc pharma	sales executive	masters	0
abc pharma	computer programmer	bachelors	0
abc pharma	business manager	bachelors	0
abc pharma	business manager	masters	1
facebook	sales executive	bachelors	1
facebook	sales executive	masters	1
facebook	business manager	bachelors	1
facebook	business manager	masters	1
facebook	computer programmer	bachelors	1
facebook	computer programmer	masters	1

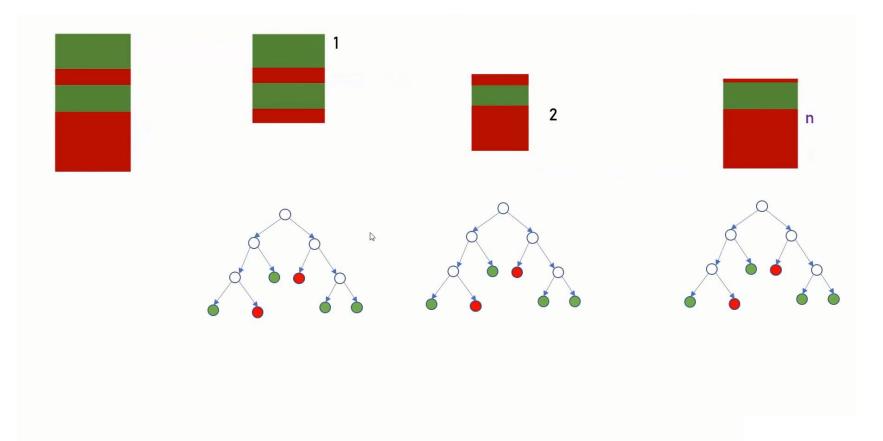
Salary > 100 k \$?

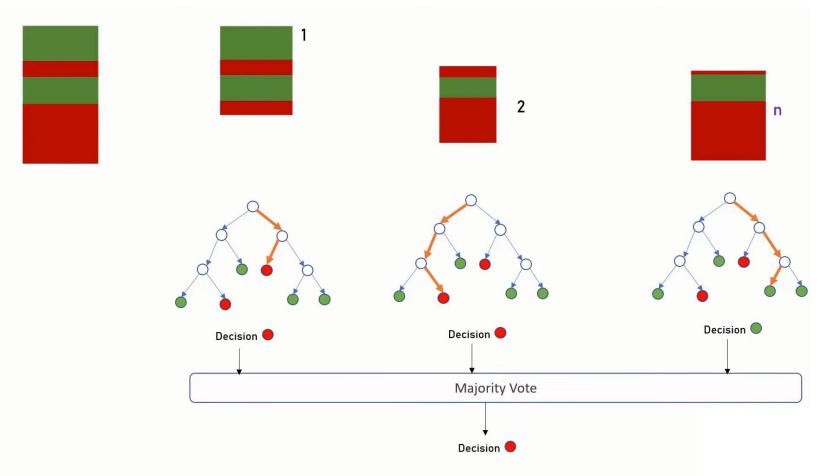




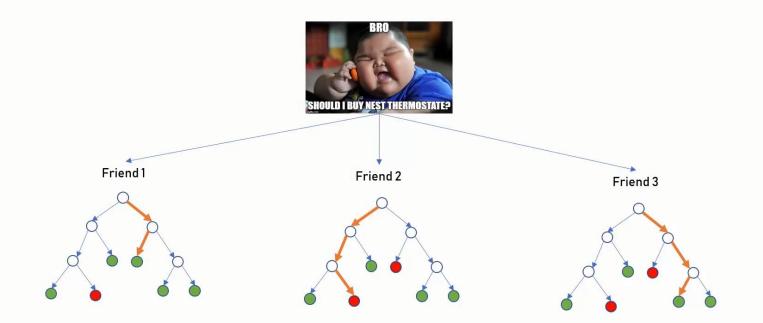


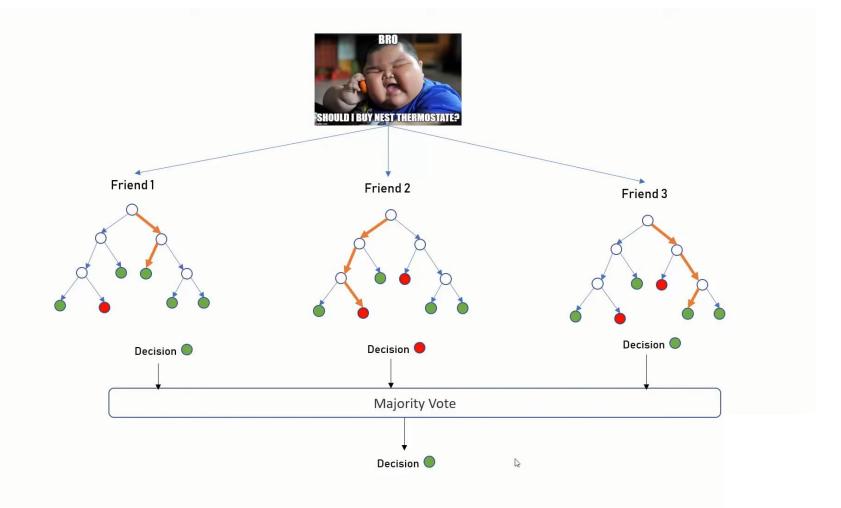
B



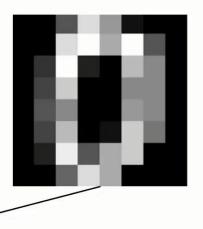








Identify hand written digits recognition



0 1 2 3 4 5 6 7 8