	Random Forest
A	Reguession and Classification & Adele Cutter
7	Reguession and Classification. Introduced -> heo Brieman & Adele Cutter
	2001.
**	No assumptions OB everor estimation -> Out of Bag (Internal validation) data (Lord of data)
	data (Ind of data)

Original Sample 3 Sauble 2 Sauple 1 acumacy

General Original data Sample 3 Sample 2 Sample 1 DI1 0/13 0/P2 0/1 Classification -> Voting

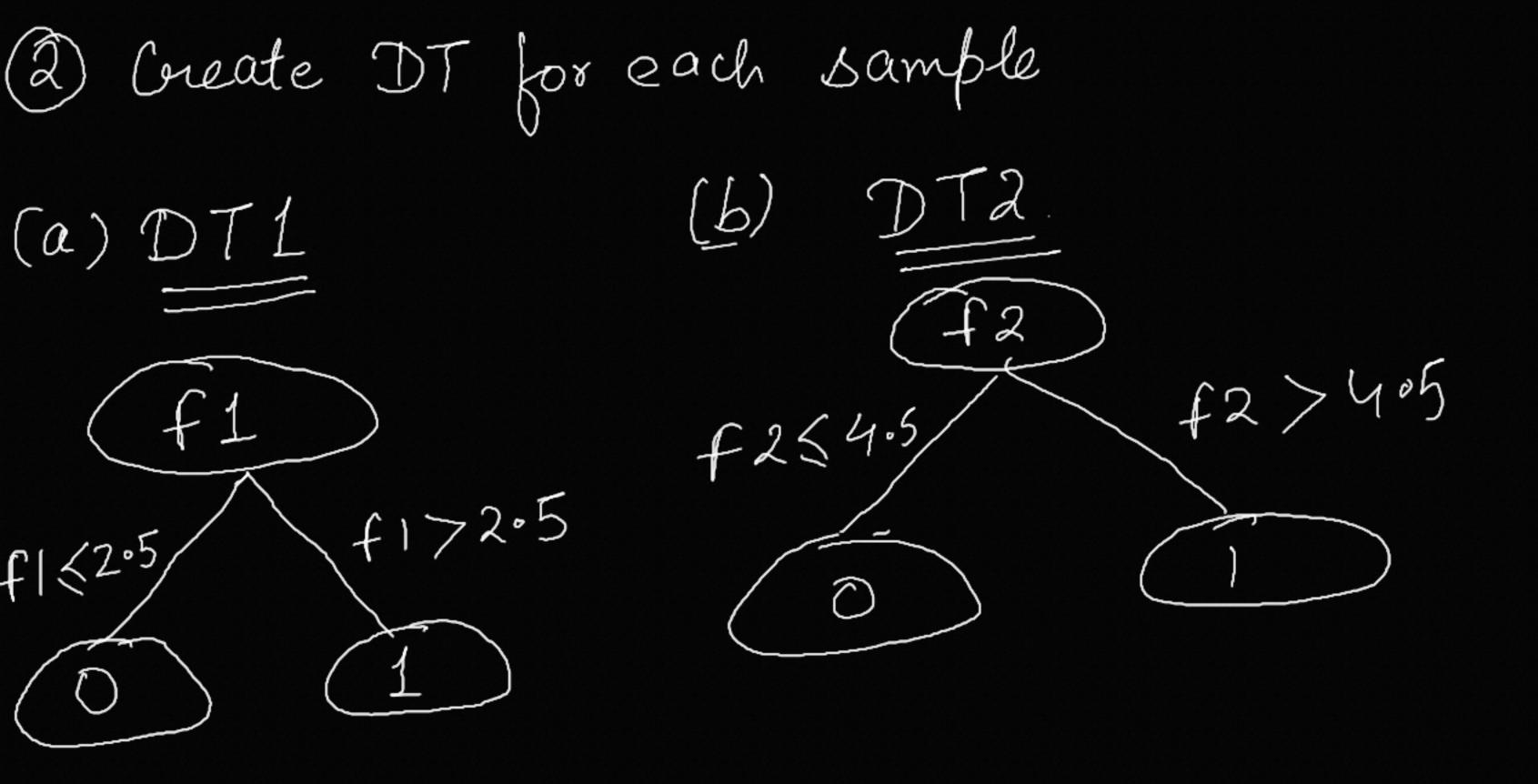
Mathematical

Feature 1	feature 2	Target
1	2	0
3	4	
4 5	5	1

Create Samples/Subset Subset 1 0

Subset2				
FI	f2			
2	3	0		
3	1	1		
4	5			
5	6			

Subset 3



F1>2.5 f1 < 2.5

Model Training Completed * Prediction f1=3, f2=4Apply on each DT Voting --> final = 1 DII -> 1 D72 ->0 DT3 -> 1

When to Use + Complex & Non-linear data * Very large dataset * They can berform
good even we have
missing values + revent overefitting

When Not to Use * High-D data with less rows | data points * When majority features aux categorical * Klighty Computational Intensive. Large-scale problems fact : Rf are also called "black-box model"