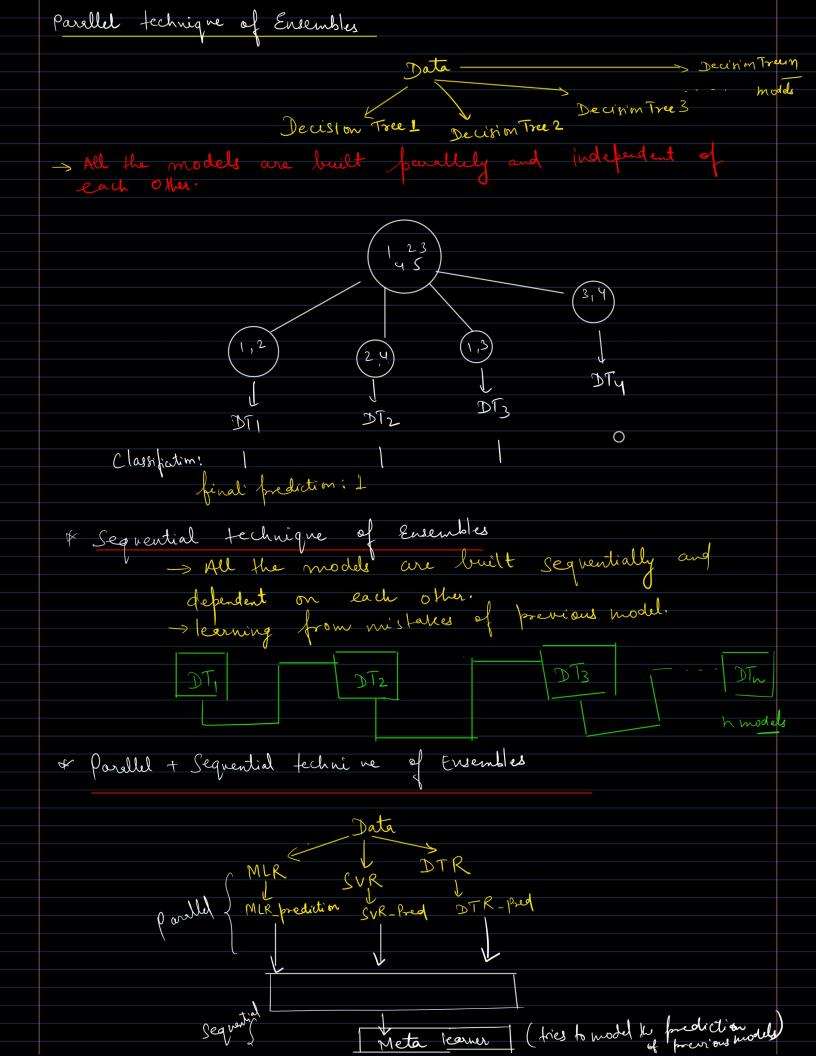
Enjambles and its techniques	
Ensembles and its techniques	
* Till how we have used only one	L ML Algorithm model.
Dr data -> Model L -> train- Predict	Analogy
D* data	GDS Jobs (ML)
	Analogy LDS Jobs (ML) Ajay (Acta Analytica) (ML)
-> M ₁ -> M ₂	Ajay A
M3 Combine forediction.	(data Analytics) (ML)
, My	-> One berson might gine you wrong advice.
(, Ms	- Some source of the
	ω.σ.σ.σ.σ.σ.σ.σ.σ.σ.σ.σ.σ.σ.σ.σ.σ.σ.σ.σ
	-> you will connect to
	-> you will connect to multiple mentors.
	-> Chances of getting wrong is minimized.
	Ja viascevias 1
* Ensembles: Combine multiple Models	
: frediction which is more Compared to individual M	Stable and accurate as
Compared to individual M	odels.
1	
Combine Multi	iple models
of same Algorithm	of different algorithms
0	
(DT, (max depth: 5)	Logistic Regression
DT2 (max depth: 10)	SVC
J 12 (112)	
) T3 (max dep m:12)	DTC
	,
* Ensemble: - Not necessarily onl	ly one type of algorithm.
U	<i>d d d -</i>
Ensemble technique	
Parallel Sequential technique	parellel + Sequential
technique segmentage	re technique
(Bagging) (Boosting)	(Stacking)
(2001-10g)	(3/22.11)



Predict the final output Evenble Technique Paralle Sequential Parallel + Sequential Ensemble Models Bagging Boosting
(Parallel technique) (Seg hential
pechnique) Stacking (both technique) Multiple type of algorithms Only one type of Algorithm is used :-> Random forest Regressor classifier. of Bagging -> Custom Bagging (Different Algorithms) * Booshug - O Adaboost 2 Gradient Boost 9 Cat Boost * Stacking: - We will see example of different models.