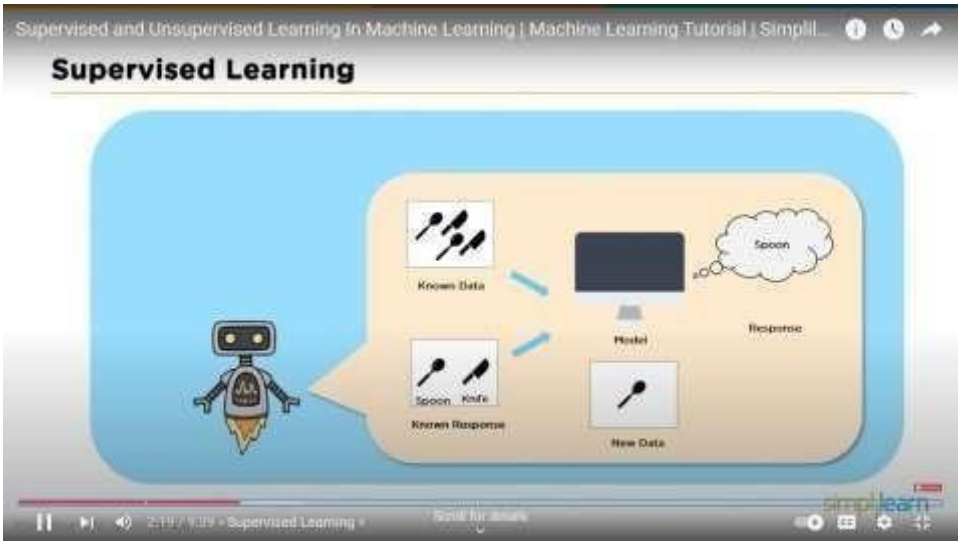
Prior Knowledge

Date	31 October 2022
Team ID	PNT2022TMID04987
Project Name	Developing A Flight Prediction Model Using Machine Learning

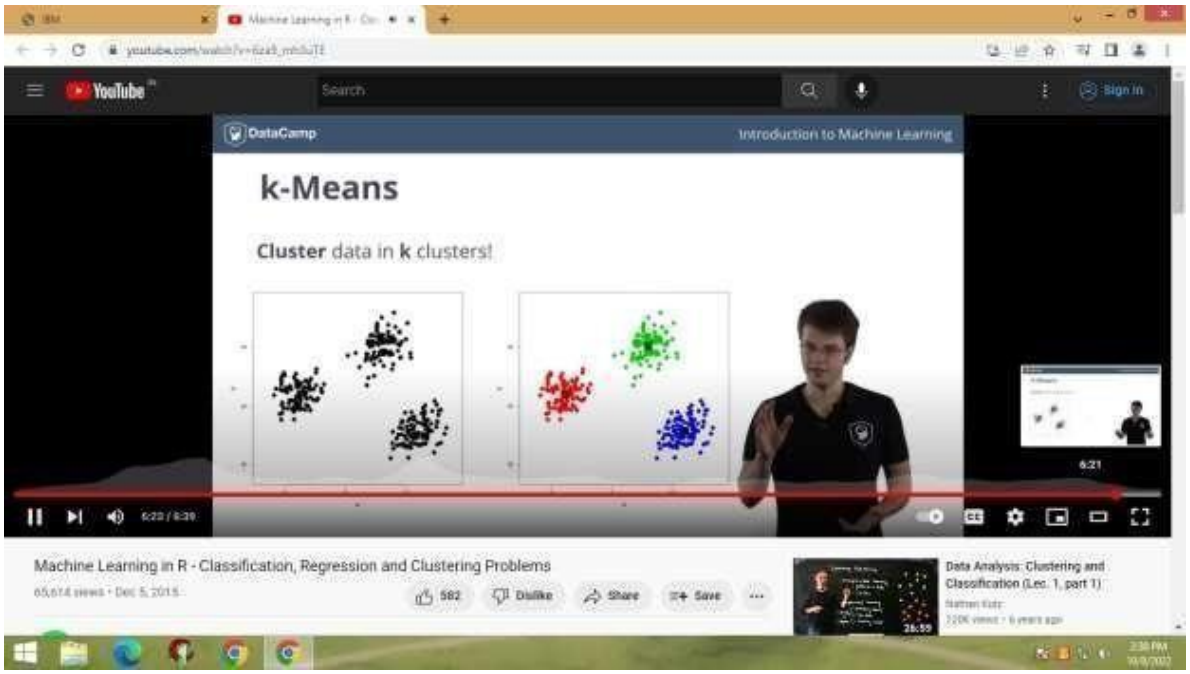
Prior Knowledge

Supervised and unsupervised learning:

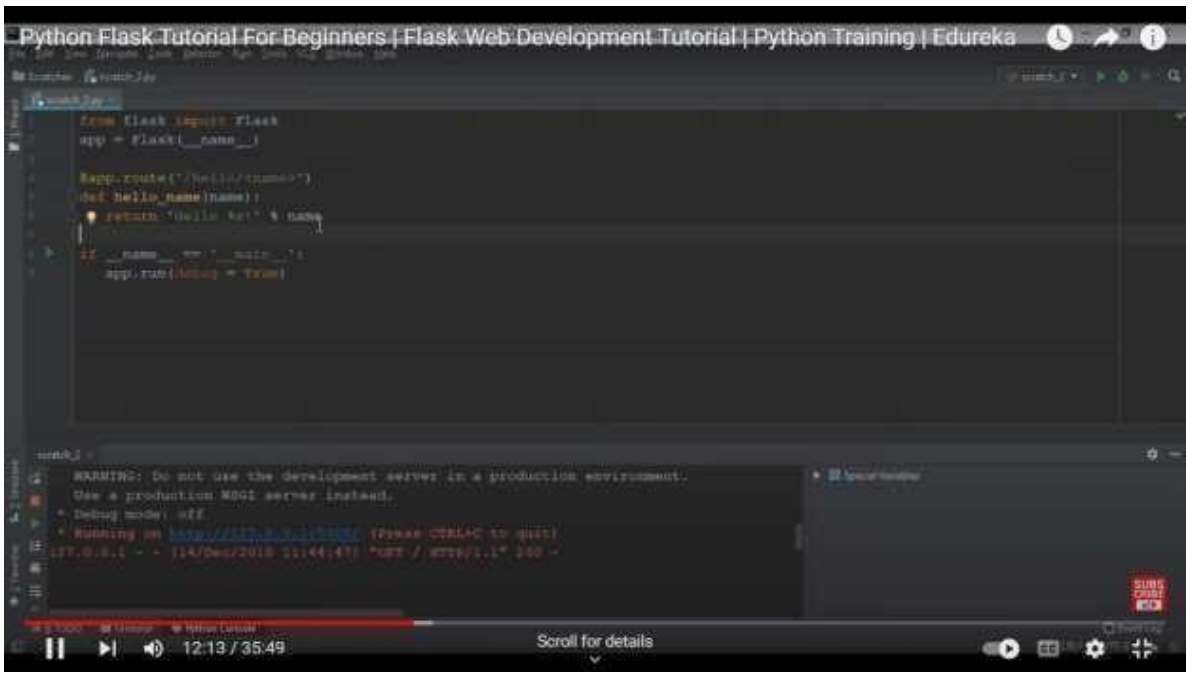


Regression Classification and Clustering:

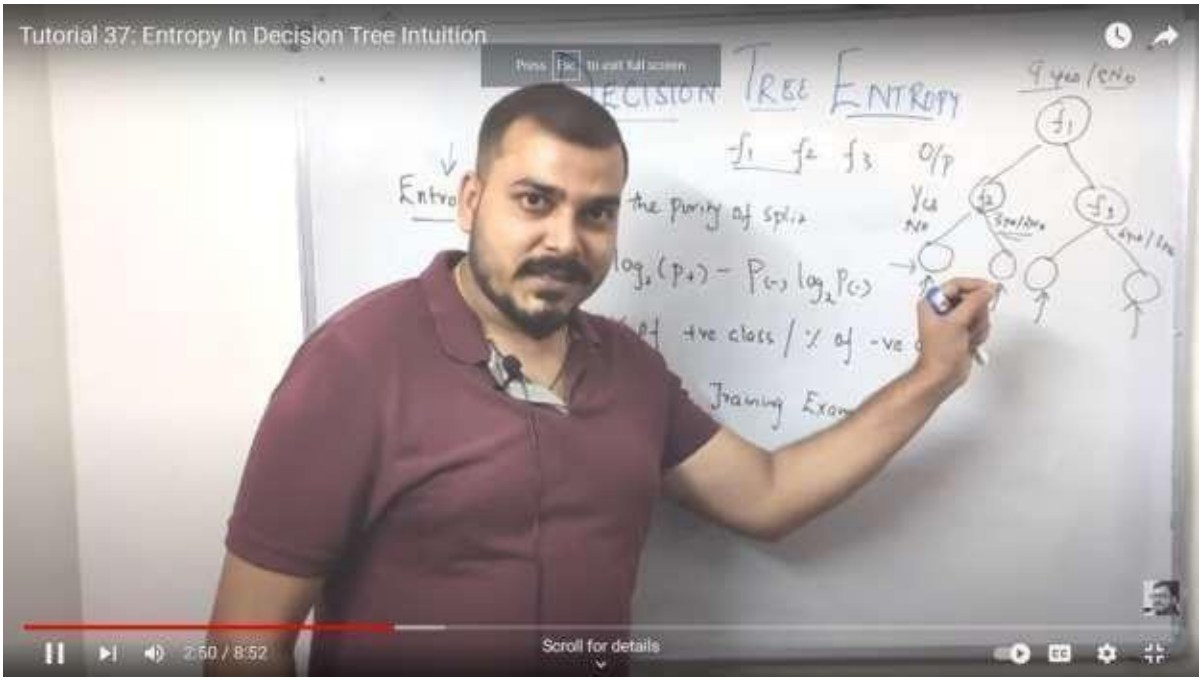

YouTube
Search
Sign in
DataCamp
Introduction to Machine Learning
Common ML Problems
• Classification
• Regression
• Clustering
Machine Learning in R - Classification, Regression and Clustering Problems
Data Analysis: Clustering and Classification (Lec. 1, part 1)

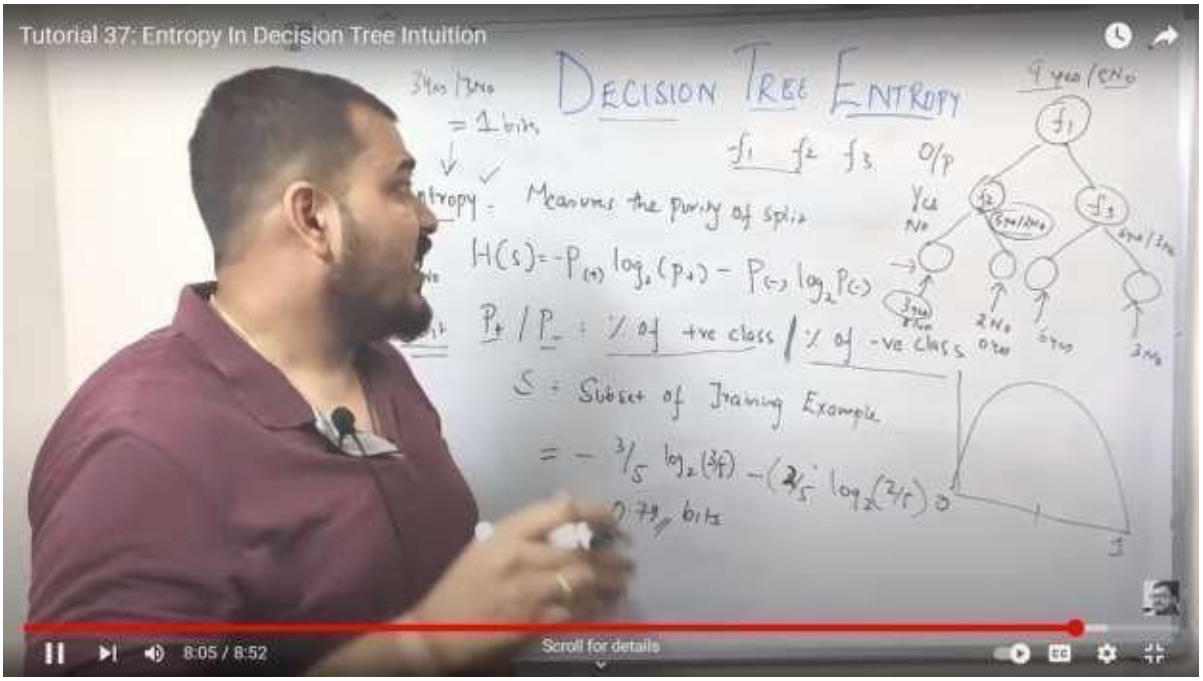

YouTube
Search
Sign in
DataCamp
Introduction to Machine Learning
k-Means
Cluster data in k clusters!
Machine Learning in R - Classification, Regression and Clustering Problems
Data Analysis: Clustering and Classification (Lec. 1, part 1)

Flask:

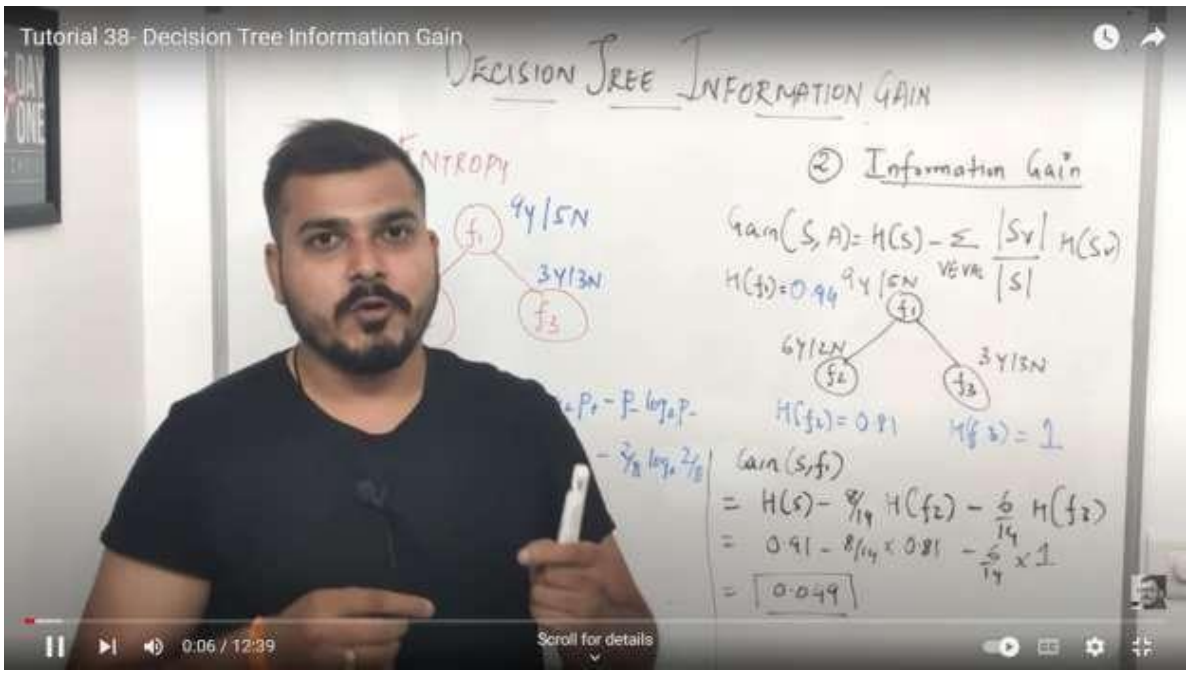


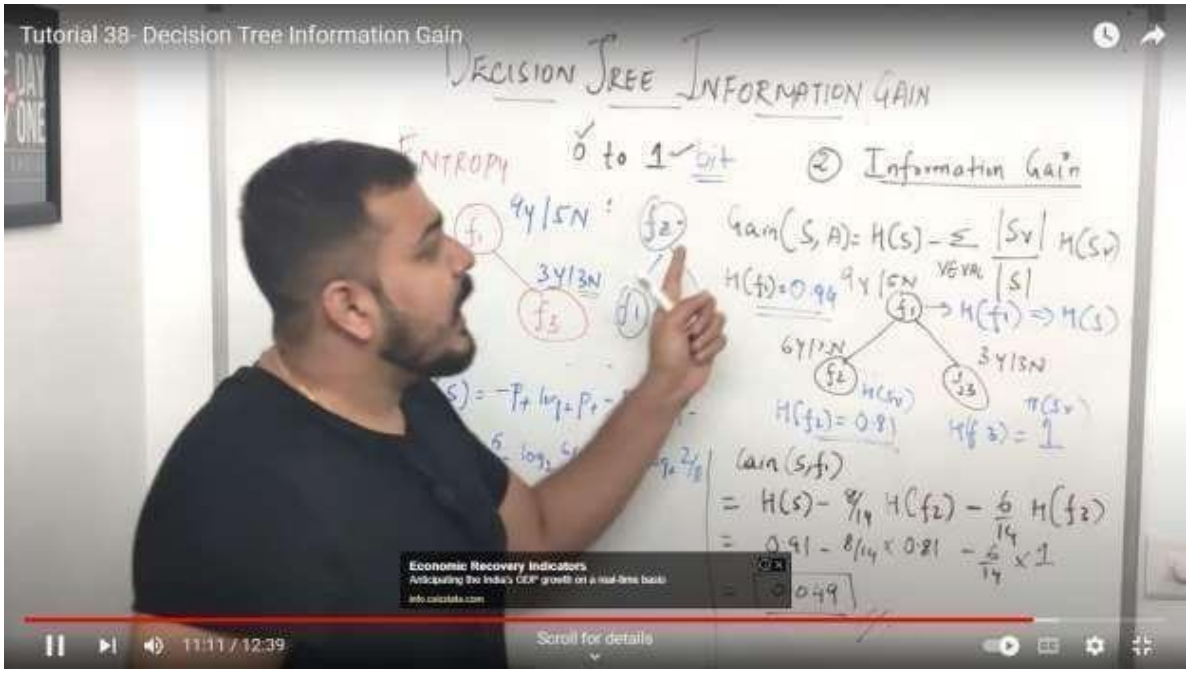
Decision Tree:



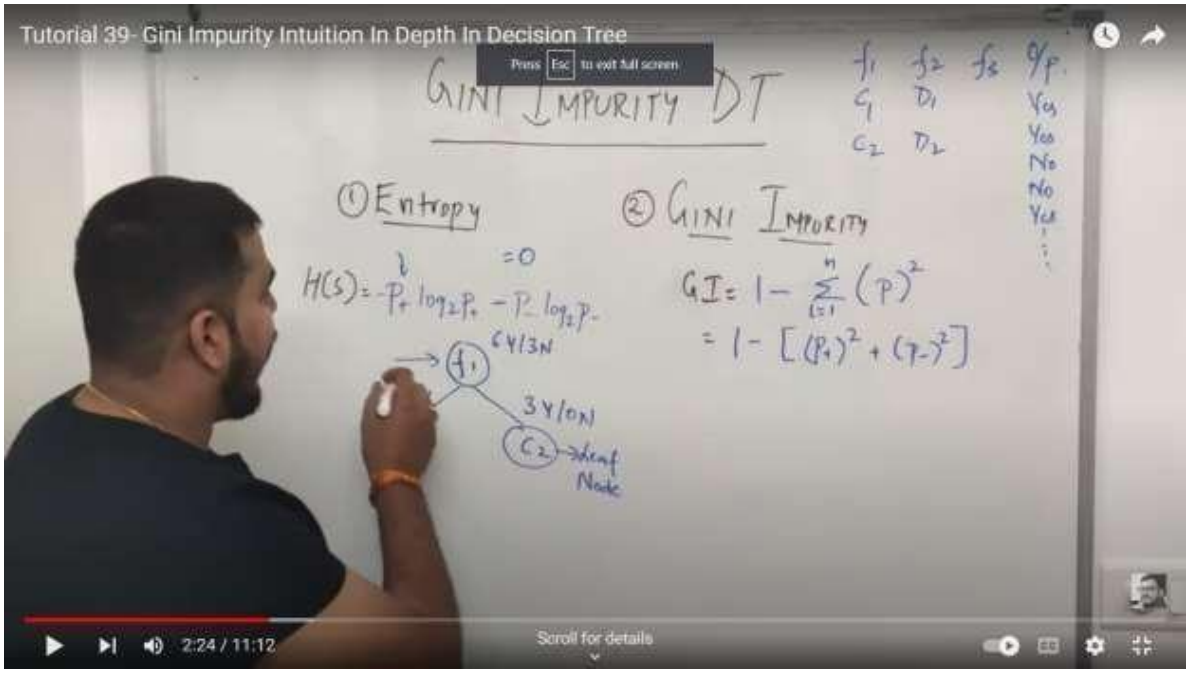


Decision Tree information:





Gini Impurity intuition in depth in Decision:


Tutorial 39- Gini Impurity Intuition In Depth In Decision Tree
Press Esc to exit full screen
GINI IMPURITY DT
f1 f2 f3 O/P
C1 D1 Yes
C2 D2 Yes
No
No
Yes
① Entropy
=0
H(S) = -P+ log2P+ - P- log2P-
② GINI IMPURITY
GI = 1 - Σ (P)^2
= 1 - [(P+)^2 + (P-)^2]
CYI3N
3Y/0N
C2 → Leaf Node
2:24 / 11:12
Scroll for details