

08-02-2022

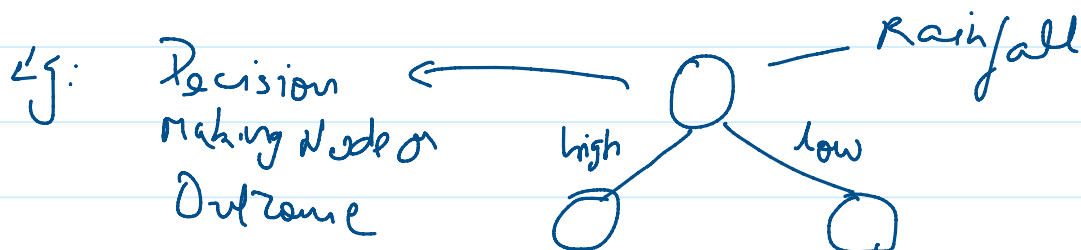
Tuesday, February 8, 2022

4:32 PM

Syllabus CPT-1 : Module 1 and 2  
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10                      20

## Decision Trees

→ Supervised ML Algo - Classification  
- Regression



Indices for splitting cond<sup>n</sup>.

Information Gain

Gini Index

leaf node - represent outcome

## ID3 ⇒ Iterative Dichotomiser

→ Top Down Greedy Approach

→ Classification

→ Uses Info. Gain  
(Local IG)

"How well a feature classifies target variable."

→ Pure Distribution?