Decision Tree Training Friday, 12 November 2021 6:28 PM
I Decision Tree Strength. Warnerical
1) DTs can handle categorical data - Discr, Cont.
2) Explainability. Ordinal
3) Speed of Classification: 10 (log d)
Toky: O(n2 d log d)
I D.T. Properties
1) Prone to overliting.
A. Early stopping.
A. Early stopping. (3) Control the depth. (3) inpurity.
B. Pruning.
Some A line Fraction.
Branching Factor. Fav. Color. Scategorial Data
(3) Labelling of leaf nodes.
- Most frequent class in The node - Can output a probability.
- Class Imbalance in training data.
A B
$\frac{1}{2/3} \frac{1}{2/3} \frac{1}{2} \frac{1}{3} $
QUIZ
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Information Grain. Di?
AAA BBB a) what is the problem AAA BBB With this date?
A A B B D
BBBAAA
B B B A A A