Wed food Neds Notes = Recursively 18 pix-Binary Trace Ry Chrosta Metal Metal Lest of Chi 1987 3 Classification 2 Agression Trees. The Branch X Kegressians 1 LK

Biriding input space (into K-partners)
Board on Greature younds divide input. Space (into K-partners) 7 (21- 42) (21- 23) + ((21- 42)) (A Re) 3 (dart - Ygrad) Output = I Regions.

J (2) Lay P(4) + (1-P(4)) Haz (1-P(4)) $\mathbb{P}(\mathfrak{A}) + \mathbb{P}(\mathfrak{A}) = 1 + \mathbb{P}(\mathfrak{A}) = 1 + \mathbb{P}(\mathfrak{A})$ ick; dai The Yard of the tree (ast complexity Fourings) Frume a decision tree = 7 examples Observed Grins Indem - ST PK (9-PK) Entrugg = Fr Log (Pk) F. Bababaility of K-Clen No S

JOI TROY. V " XxXX" " 013 => P(0) +P(1)=1 = P(0)=1-P(1) John James 9.04

> Po(1-Po) + Po(1-Po) = Po(1-Po) + (1-Po) (2-1+Po) 2×0-7×0·3=0.62 2x 0.5x 0.5 = 0.5 0 - (1-1) - 2x2 -2x0.9x0.1=23(1-P3) Suin Index 3 X 7 K (9-P) 8000 X 7.0.07 7,00 5.0.0

P(1)=1-P(A)-AB) 7 (A) + P(B) + 10 (C)=1 => P(A)(1-P(A)) + P(B) (1-P(B)) + P(U(1-P(G)) Entropy: - 7 (A) Lay P(A) - 7 (B) Lagh(B) - 7 (C) Lagh(U) 3×0.33×0.67 t). 0 2 P(A) - P(B) = P(B) = 0.33 7 \$ (A) 20 (AB)=0,9(A=2)

Bagging Jawing Wilt. Bogs of Zuport John 128 (6) 3 Bay L Bay 1 (or Maining multiple true). Out of Bod Emmi Elle Morre ensemble mutholos

she boardhooped Forest =