Gini Index ( Decision Tree) Gini(x) = 1 - \( \frac{1}{3} \) [P(\frac{1}{3} | \tau)] \( \frac{1}{3} \) P(\frac{1}{3} | \tau) is the relative frequency of class \( \frac{1}{3} \) at node \( \tau). Ginisple = En (Gini(i)) n; = #of records at child i n = # of records. at node p. Information Gain = Gini (parent) - Gini sport (children) (D) G