Codegonial (hommal) CART_(1984) $M = \{C_1, C_2, ..., C_K\}$ K levels Jand tree veglession of K=2 => brany chosificanon AA AA BB AA 3 BB AA Ghi, = 3/4+ Year X, 45 No B X243 No A Odrbe No = 1. Classificion Algorith Since is the representation thee algorithm except Bry of I The Jojeense Semanon which evaluates each split is not neighbor SSEL, Instead we use the weight gry of Giril, Given Giril to Gring the Gring left themans in node Give $f_{\kappa} := \sum_{k=1}^{K} \hat{f}_{\kappa} (-\hat{f}_{\kappa})$ have $\hat{f}_{\kappa} := \sum_{i=1}^{h} \frac{1}{y_{i}} = C_{\kappa}$ This is called "Gini Impurity" thanks to Kurt! [I] Leaf Assignmer y = Mode [y's] purof-smale High n in-sample conflexity eximation limbe