Cini = 1 - Epi Cimivost 2 1- ((0.6)2+ (0.4)2) 2 1- (0.16+0.34) 2 1-0-522 0,48 Ring (4)2 1- ((4)2+(5)2) to 60,64) 1- (0.64+0.32) 0.36 0.32 ling (40) 2 1- ((2)2+(5)2) = 1-(1)=0. Weighted Ri-A = 15 x 0.32 + 50 x 0

= = 0.16

weighted hime = 50 x 0.48 + 50 x 0.58 20.48

CrimA her best Split - lovest

(4)

You No

1= 1/ N= 4 1/0 19340

> Clima (1) 2 1- (4)2+(9)2) 20 Clima (1) 2 1- (6)2+ (4)) Clima (1) 20

Weighin B = = = = 0

2 = Y/ N=3 2/0 3/0

Chirc (Y) = 0 Weight Lnc = 0

Le au select Box C,

A NO TEN

-> easy to build, eny to use, easy to interright.

-> good to create with data

Lout good to predict

Oserfit - menorize the tranj data

Consitive - Small change diff. tree

Consitive - Small change diff. tree

Jinstablity:

Imbaland date = bias towards

downint class

Rootstryling = Bagging. More Than one trees / L Forest. L'same tree as the same donton. LAttor Select Sample from the dater

+ Allow to regent. p. Bay Boot strapped alata set Le some donte may not be party.

Ne Bag-out 7 bay donter default Select a few featuren (vondunt)

for classificition of 2

for classification Lift event trees with different

features.

How to clausity -> so for any new donta Lyon & Rrough all DTs. ( Noting: the class with most in the yearst of most DIs in the -> how to measure the model L. Out of Rag Sampler = denta not Selected Lyon these samples on DIs. Live have label and predictal labels.