FUNDAMENTAL FEATURES TARGET COUNTRY WAGE

LINEAR REGR.

 $4(x) = 6 + \omega x, + - \omega$

& LOSS FUNCTION

 $\left(W_{1}, --\cdot, W_{p} \right)$

1 training · GRADIENT DESCENT (2, 1.5, -...)

2 OUENF 17TING

o REGUBAN.

REGRESSION

SEIR

Je IN

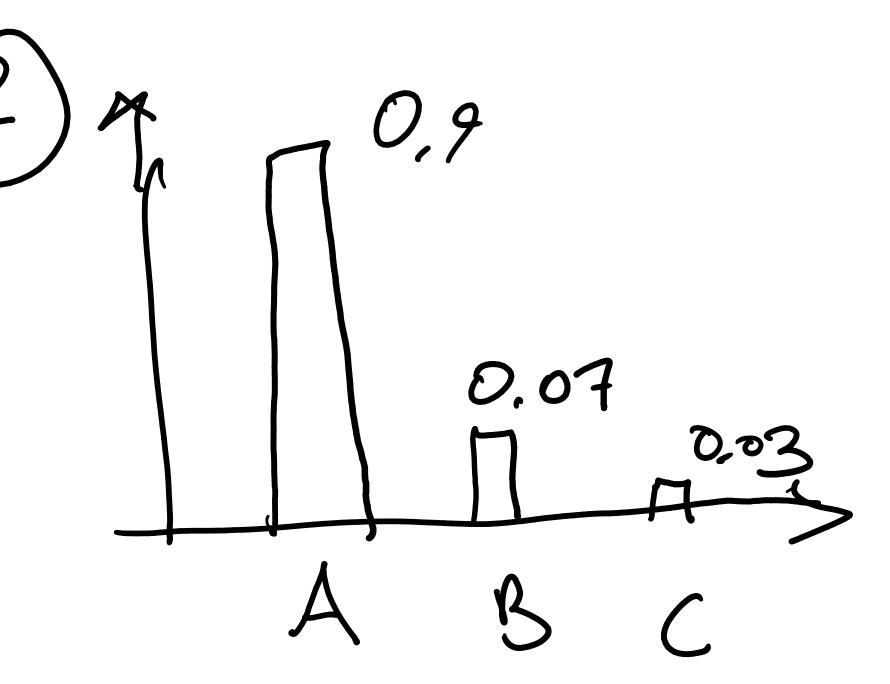
32 B BE 20, 43 $\left(3-9\right)^2$

CLASSIFI CATION

$$y_{\lambda} = 0$$

$$y_{\lambda} = 0$$

$$0 - 1)^{2}$$



$$\hat{A}(X) = 0.93$$

$$\hat{A} = \begin{cases} A \rightarrow 0 \\ B \rightarrow 1 \end{cases}$$

$$(\hat{A} - \hat{A}_{\lambda})^{2} = 1 - 0 = ?$$

$$\hat{A} = \begin{pmatrix} 4 \\ 3 \end{pmatrix} = \begin{pmatrix}$$

REGR. / CLASS VARIANCE GBRE TREES M. REGNES

TREES

$$X = \begin{cases} \begin{cases} 30 \\ 21 \end{cases} \Rightarrow 4 \Rightarrow 3 = \begin{bmatrix} 3 \\ 3 \end{cases}$$

$$|\infty| \begin{bmatrix} 3 \\ 4 \end{bmatrix} \Rightarrow \begin{bmatrix} 3 \\ 4 \end{bmatrix} = \begin{bmatrix} 3 \\ 4 \end{bmatrix}$$

に = 25

REAL VACUUS ENTROPS Right ENTROPY_left Mon? (entropers-Softe + entropers-right) GREEDY ALG.

X, Lt KgL T3 B

2000 Contractions of the contraction of the contrac

TRAINING

3 EVALUA. (Rén.)

trée

ENIR,

ACCURACY

A B A

ENSEMBLING OF MODELS

A, ---, AB

PARALLEL SEQUENTIAL $\hat{f}_{1,---}, \hat{f}_{3} \qquad \hat{f}_{3}(\hat{f}_{3}, (\hat{f}_{3}))$ $\hat{f}_{4} \rightarrow \hat{f}_{2} \rightarrow \dots$

ANQUNG ENENT BAGGING (BOOTSTRAPPING AND
AGGREGATING)

$$(X_1, --) \times M)$$

$$X_2 \sim N(M, 6^2)$$

$$X \sim N(M, \frac{6^2}{M})$$

RANDOM FOREST - BAGGING (1) -- , B datastas FOR EACH BATASET: -FIT A TINEE For EACH Split, use subset

FEATURES

- AGGREGATE PRED.

PREDICTIONS WITH (CLASS (FICATIO)) ENSEMBUNG $X^* = \left(X^*, \dots, X^* \right)$ AVERAGE IN CASE OF REGRESSION

DEPHN # OF TREES

VARIANCE V

SASIV => VARIANCE

BOSTING

 $\frac{1}{4} \left(\frac{1}{100} \right) = \frac{1}{2} = \frac{1}{100}$ 13-3-TRAIN $\hat{\ell}_2(X_{TRAIN}) = \hat{\ell}_1$ 2 = \ 2 - 2, \ $f_{B}(X_{TRAIN}) = R_{B-1}$

A

LOGISTIG REGNESSION

$$\frac{3}{5} = 6 + W_{1} \times_{1} + \dots + W_{p} \times_{p}$$

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$$\frac{3}{5} = 6 + W_{1} \times_{1} + \dots + W_{p} \times_{p}$$

$$\frac{6(2)}{1 + 2} = \frac{1}{1 + 2}$$

P = 1 (6+ W, X, + --- + Wp Xp)

FUNCTION: BINARY CRUSS -log(1-1)=

ENTROPS

EVALUATION METRICS

BINARY CLASS.

ONBACANCES SAMPLE 0,01

· RECALL: TP FN+TP