LOGISTIC REGRESSION

Regression method for predicting well-calibrated probabilities.

Sigmoid: a function that gives an S-shaped surve bounded between (0, 1)

y = 1+e-(wx+b) wx+b = linear model

1+e-(wx+b) = sigmoid (logistic function)

1000 Log Loss = Z[-ylog(y')-(1-y)log(1-y')]

(x,y)eD

(A150 stopping) crazy) - prom to overthing wont e.g. LZ meg.

Why? Very efficient! Fast training + prodotion.

Libear regnession — Predict cont. value Logistic regnession — Predict probability something is true