NAIVE BAYES

CLASSIFIES VECTORS OF DISCRETE-VALVED FRATURES, FEATURES ARE CONTINUALLY IMPEREMENT WIT LABEL

· P(x|y=C1,0)= TTP(x1|y=C,0) · RESILIENT TO OVERFITTING AND CURSE OF DIMENSIONALITY

· CLASS CONSTIONAL DENSITIES (CAN BE REAL (CAUSIAN), BINARY (BERNOULU), CATEGORIAL (MOUSINOULU)

· MASON BASE, MIE, COUNTS PROPORTION

. FACTORES PRIOR TO AVOID COASH WHEN NEW WORLD

• FEATURE SELECTION W/ MUTUAL INFORMATION: $I(x_1,y) = \sum_{x \in Y} f(x,y) |_{Q_y} \frac{f(x,y)}{f(x)f(y)}$

. IF FEATURES ARE C.I. - NAINE BAYES RESURNS MAP

P(Culx,...xn) - f(Culx)= f(Cu)p(x|Cu) Ci & P(Cu) TT f(x, 1Cn) DECISION

AFGMAX[...]

· EAN REGUNDRE WITH LAFACE SMOOTHING ON LIBSTONE SMOOTHING

· MULTINOMIAL NBC - LINEAR CLASSIFIER IN LOCSPACE

· GENERATIVE | DISCRIMINATIVE PAIR W/ LOGISTIC REGRESSION

€ LAFINE SMOOTHING → ADD COUNTS TO N, D TO ANDIO IT DATABALLED OF WHEN STEES STUFF NOT IN TRAMING SET