3/8/19 Discussionle Logistic Regression · Logistic regression can be used for 2-class or multiclass problems · Unlike linear regression, logistic regression tries to find category of belonging of Can't assume normally distributed as in linear regression outcome 2 class LR Want to Aind linear decision 6001: == boundary WTX7P WTX>O where &= [2], W= [b] Need to find in o(n) = 1+ex = 1-1e-x Converts a real output to probability. Acts as confidence level For 2 classes, Ixi,w) = o(wTxi 1 = 1-P(yi=1/xi,w)=1-o(ustxi) Utelihood for to maximize = P(y/xi, w) = TT P(yi/xi, w) (1-8(wTr))

