

Verificarea echivalenței clasificării folosind
un set de test U, V, W

Bayes Naiv
discriminatorul liniar
Le: $\sum_{i=1}^4 w_i x_i + w_0 = 0$

slide 10

slide #9

(U) $\hat{y}_{NB}(U) = 0 \Leftrightarrow \sum_{i=1}^4 w_i x_i + w_0 < 0$
 not: $V_{MAP}(U)$
 pt $x_1 = 0, x_2 = x_3 = x_4 = 1$
 slide 13: $-0.288(1+1) - 0.219 + 0.028 < 0 \parallel \text{Adev. !}$

(V) $\hat{y}_{NB}(V) = 0 \Leftrightarrow \sum_{i=1}^4 w_i x_i + w_0 < 0$
 not: $V_{MAP}(V)$
 pt $x_1 = x_2 = x_3 = 1, x_4 = 0$
 $= 0.288(x_1 - x_4) - 0.219 + 0.028 < 0 \parallel \text{Adev. !}$
 slide 13

(W) $\hat{y}_{NB}(W) = 1 \Leftrightarrow \sum_{i=1}^4 w_i x_i + w_0 > 0$
 not: $V_{MAP}(W)$
 pt $x_1 = x_2 = 1, x_3 = x_4 = 0$
 $= 0.288(1+1) + 0.028 > 0 \parallel \text{Adev. !}$
 slide 13

Concluzie: Am verificat că rezultatele clasificării cu
 Bayes Naiv
 discriminatorul liniar
 este
 cel al p. 2.38