Dumon NUMER 0067/5383

056315383
HW4
9064m 1: Find O(1 -1 10 1)
P(Myrv=A)= 100 = 2 = P(Damaged Munu=A) * P(Munv=A)
P(Dimaged) - 8 - 4 P(Dimaged), x5
P(Myrv=A)=\frac{100}{150} = \frac{2}{3} = P(Dimaged Munv=A) * P(Munv=A) P(Dimaged) - \frac{8}{3} = P(Dimaged Munv=A) * P(Munv=A) P(Dimaged) Munv=A) = \frac{5}{100} = \frac{7}{20} = \frac{7}{426} * \frac{7}{3} * \frac{7}{32} = \frac{5}{8} = 0.625
 Problem 3:
Classify instance y= (Home_Owner= 4es, Marital= single, Amoun= 95K)
P(y BD=no) = P(HO = Yes BD = no) * P(MS= single BD=No) * P(AI=954 BFM) = 348 = 0.0175
$= \frac{3}{7} \times \frac{1}{7} \times \frac{1}{7} = \frac{5}{343} = 0.0175$
P(BD=no 14) = P(Y/BD=no)*P(BD=no)
P(Y)
P(Y/BD=YES) = P(HD-YES/RD=YES) * P(MC (GOL/BD=YES) * P(AT-906/RD=YES)
P(Y1BD=Yes) = P(HO= Yes 1BD=Yes) * P(M=Single BD=Yes) * P(AI=97 BD=Yes). = = = = = = = = = = = = = = = = = = =
3 3 61
 P(BD= Yes/4)=P(Y/BD=Yer) * P(BD=Yer)
P(Y)
P(BD=Yes/Y) = 27 = 7 = P(BD=noly) = 343 * 10
P(Y)
5 × 10 + 34 × 10 - 1
P(Y) P(Y)
$\rho(y) = 0.0345$
P(BD=noly) = == == 0.645 and P(BD=Yesly) = 0.355
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