input Age 31-40 intereshiph (s=30) high no fair ves yes toward = yes, cedit = fair )  showard = yes, cedit = fair )  Prob (by 9/X) = P(X   lay 1) P(by of the post
Student = yes, actif = fair  9 and nedium no fair yes  20 low yes fair yes  20 low yes fair yes  20 low yes excellent no  21 low yes excellent no  21 low yes excellent no  22 low yes excellent no  23 low yes excellent no  23 low yes fair yes  24 nedium no fair  25 p(credit = "y") = 9/14 = 0.643  9(credit = "N") = 5/14 = 0.357  11 low yes excellent yes  21 nedium no fair  25 pes fair  26 nedium no fair  27 yes  28 nedium no fair  28 nedium no  28 fair yes  29 nedium yes fair  29 yes  20 nedium no excellent yes  31 low pes fair  29 yes  20 nedium no excellent yes  31 low pes fair  28 yes  29 nedium yes fair  29 yes  20 nedium no excellent yes  31 low nedium no excellent yes  31 low nedium no excellent yes  31 low pes fair  29 yes  20 nedium no excellent yes  31 low nedium no excellent yes  31 low pes fair  29 yes  20 nedium yes fair  29 yes  20 nedium yes  20 nedium no  20 nedium no  20 excellent  20 nedium no  20 excellent  20 nedium no  20 nedium no  20 nedium no  20 nedium yes  21 nedium y
Student = yes, actif = fair  9 and nedium no fair yes  20 low yes fair yes  20 low yes fair yes  20 low yes excellent no  21 low yes excellent no  21 low yes excellent no  22 low yes excellent no  23 low yes excellent no  23 low yes fair yes  24 nedium no fair  25 p(credit = "y") = 9/14 = 0.643  9(credit = "N") = 5/14 = 0.357  11 low yes excellent yes  21 nedium no fair  25 pes fair  26 nedium no fair  27 yes  28 nedium no fair  28 nedium no  28 fair yes  29 nedium yes fair  29 yes  20 nedium no excellent yes  31 low pes fair  29 yes  20 nedium no excellent yes  31 low pes fair  28 yes  29 nedium yes fair  29 yes  20 nedium no excellent yes  31 low nedium no excellent yes  31 low nedium no excellent yes  31 low pes fair  29 yes  20 nedium no excellent yes  31 low nedium no excellent yes  31 low pes fair  29 yes  20 nedium yes fair  29 yes  20 nedium yes  20 nedium no  20 nedium no  20 excellent  20 nedium no  20 excellent  20 nedium no  20 nedium no  20 nedium no  20 nedium yes  21 nedium y
Shushatzyes, cett; fair  \$\frac{40}{240}   \qquad  \qqq          \
P. ob (buy 9   X) = P(x     y 1) P(buy   >40   low   yes   excellent   no   3140   low   yes   excellent   yes   excellent   yes   (credit = "y") = 9/11 = 0. 648   =30   low   yes   fair   yes
Prob (huy 9   X)=P(X   huy 1) P(huy 3140   low yes excellent no p(credit="y") = 9/14 = 0.648
P(credit="y") = 9/14 = 0.648  P(credit="y") = 9/14 = 0.648  P(credit="N") = 5/14 = 0.357  P(credit="N") = 5/14 = 0.357  P(credit="N") = 5/14 = 0.357  P(age="0.11-40"   buy="y") = 5/10 = 0.9  P(age="0.11-40"   buy="y") = 5/10 = 0.9  P(age="0.11-40"   buy="y") = 1/6 = 0.167  P(incone" high " buy="N") = 2/9 = 0.22  P(incone" high " buy="N") = 2/9 = 0.67  P(student "yes"   buy="N") = 1/5 = 0.4  P(student "yes"   buy="N") = 1/5 = 0.67  P(credit wfair" buy="N") = 6/9 = 0.67
P(credit="y") = 9/14 = 0.648  P(credit="y") = 9/14 = 0.648  P(credit="N") = 5/14 = 0.357  P(credit="N") = 5/14 = 0.357  P(credit="N") = 5/14 = 0.357  P(age="0.11-40"   buy="y") = 5/10 = 0.9  P(age="0.11-40"   buy="y") = 5/10 = 0.9  P(age="0.11-40"   buy="y") = 1/6 = 0.167  P(incone" high " buy="N") = 2/9 = 0.22  P(incone" high " buy="N") = 2/9 = 0.67  P(student "yes"   buy="N") = 1/5 = 0.4  P(student "yes"   buy="N") = 1/5 = 0.67  P(credit wfair" buy="N") = 6/9 = 0.67
P(credit="y") = 9/14 = 0.648  P(credit="y") = 9/14 = 0.648  P(credit="N") = 5/14 = 0.357  P(credit="N") = 5/14 = 0.357  P(credit="N") = 5/14 = 0.357  P(age="0.11-40"   buy="y") = 5/10 = 0.9  P(age="0.11-40"   buy="y") = 5/10 = 0.9  P(age="0.11-40"   buy="y") = 1/6 = 0.167  P(incone" high " buy="N") = 2/9 = 0.22  P(incone" high " buy="N") = 2/9 = 0.67  P(student "yes"   buy="N") = 1/5 = 0.4  P(student "yes"   buy="N") = 1/5 = 0.67  P(credit wfair" buy="N") = 6/9 = 0.67
P(credit = N°) = 5/14 = 0.357  3140 medium no excellent yes 3140 medium no excellent yes 40 medium no excellent no  P(age = "21-40"   buy = "y") = 5/10 = 0.9  P(age = "31-40"   buy = "N") = 1/6 = 0.167  P(income high "  buy = "N") = 2/5 = 0.4  P(student "yes"   buy = "N") = 1/5 = 0.67  P(student "yes"   buy = "N") = 1/5 = 0.67  P(credit wfair" buy = "N") = 6/9 = 0.67  P(credit wfair" buy = "N") = 6/9 = 0.67  P(credit wfair" buy = "N") = 6/9 = 0.67  P(credit wfair" buy = "N") = 6/9 = 0.67
P(credit = N°) = 5/14 = 0.357  3140 medium no excellent yes 3140 medium no excellent yes 40 medium no excellent no  P(age = "21-40"   buy = "y") = 5/10 = 0.9  P(age = "31-40"   buy = "N") = 1/6 = 0.167  P(income high "  buy = "N") = 2/5 = 0.4  P(student "yes"   buy = "N") = 1/5 = 0.67  P(student "yes"   buy = "N") = 1/5 = 0.67  P(credit wfair" buy = "N") = 6/9 = 0.67  P(credit wfair" buy = "N") = 6/9 = 0.67  P(credit wfair" buy = "N") = 6/9 = 0.67  P(credit wfair" buy = "N") = 6/9 = 0.67
P(credit="N") = 5/14 = 0.357  3140 medium no excellent yes 3140 high yes fair yes 40 medium no excellent no  P(age="21-40" buy="y") = 5/10 = 0.9  P(age="21-40" buy="N") = 1/6 = 9.167  P(incone" high " buy="N") = 2/9 = 0.222  P(incone" high " buy="N") = 2/5 = 0.67  P(Student" yes " buy="N") = 1/5 = 0.67  P(Student" yes " buy="N") = 1/5 = 0.67  P(credit "fair" buy="N") = 6/9 = 0.67
P(age = "21-40"   buy = "y") = 5/10 = 0.5  P(age = "31-40"   buy = "y") = 5/10 = 0.5  P(age = "31-40"   buy = "N") = 116 = 0.167  P(income high "  buy = "N") = 2/5 = 0.4  P(student "yes"   buy = "N") = 6/9 = 0.667  P(student "yes"   buy = "N") = 1/5 = 0.2  P(credit "fair"   buy = "N") = 6/9 = 0.67  P(credit "fair"   buy = "N") = 6/9 = 0.67  P(credit "fair"   buy = "N") = 6/9 = 0.67  P(credit "fair"   buy = "N") = 6/9 = 0.67  P(credit "fair"   buy = "N") = 6/9 = 0.67
P(age = "21-40"   buy = "y") = 5/10 = 0.5  P(age = "31-40"   buy = "y") = 5/10 = 0.5  P(age = "31-40"   buy = "N") = 116 = 0.167  P(income high "  buy = "N") = 2/5 = 0.4  P(student "yes"   buy = "N") = 6/9 = 0.667  P(student "yes"   buy = "N") = 1/5 = 0.2  P(credit "fair"   buy = "N") = 6/9 = 0.67  P(credit "fair"   buy = "N") = 6/9 = 0.67  P(credit "fair"   buy = "N") = 6/9 = 0.67  P(credit "fair"   buy = "N") = 6/9 = 0.67  P(credit "fair"   buy = "N") = 6/9 = 0.67
P(age = "21-40"   buy = "y") = 5/10 = 0.9  P(age = ")1-40"   buy = "N") = 116 = 0.967  P(income high "  buy = "N") = 2/5 = 0.4  P(student "yes"   buy = "N") = 1/5 = 0.67  P(student "yes"   buy = "N") = 1/5 = 0.67  P(student "yes"   buy = "N") = 1/5 = 0.67  P(credit "fair"   buy = "N") = 6/9 = 0.67  P(credit "fair"   buy = "N") = 6/9 = 0.67  P(credit "fair"   buy = "N") = 6/9 = 0.67  X(age=31-40, in come = high, studen = yes, credit = fair)
P(age=">1-40" buy="y") = 5/10=05  P(age=">1-40" buy="y") = 5/10=05  P(age=">1-40" buy="y") = 1/6 = 0.967  P(income" high " buy="y") = 2/9 = 0.222  P(income" high " buy="No") = 2/5 = 0.4  P(Student "yes" buy="N") = 6/9 = 0.667  P(Student "yes" buy="N") = 1/5 = 0.67  P(credit "fair" buy="N") = 6/9 = 0.67
P(age = 1) 31-40 1   buy = 11 = 0.16 = 0.16 7  P(income high 1   buy = 100 ) = 2/9 = 0.222  P(income high 1   buy = 100 ) = 2/5 = 0.4  P(Student yes 1   buy = 100 ) = 6/9 = 0.67  P(Student yes 1   buy = 11 > 2 0.67  P(credit 1 fair
P(age = 1) 31-40 1   buy = 11 = 0.16 = 0.16 7  P(income high 1   buy = 100 ) = 2/9 = 0.222  P(income high 1   buy = 100 ) = 2/5 = 0.4  P(Student yes 1   buy = 100 ) = 6/9 = 0.67  P(Student yes 1   buy = 11 > 2 0.67  P(credit 1 fair
P(age = 1) 31-40 1   buy = 11 = 0.16 = 0.16 7  P(income high 1   buy = 100 ) = 2/9 = 0.222  P(income high 1   buy = 100 ) = 2/5 = 0.4  P(Student yes 1   buy = 100 ) = 6/9 = 0.67  P(Student yes 1   buy = 11 > 2 0.67  P(credit 1 fair
P(income high "/buy="y") = 2/9 = 0.222  P(income high "/buy="No") = 2/5 = 0.4  P(student "yes"   buy="y") = 6/9 = 0.67  P(student "yes"   buy="N") = 1/5 = 0.67  P(credit "fair"   buy="N") = 6/9 = 0.117  P(credit "fair"   buy="N") = 6/9 = 0.117  P(credit "fair"   buy="N") = 2/5 = 0.4  ×(age=31-40, income = high, studen = yes, credit = fair)
P(income high "/buy="y") = 2/9 = 0.222  P(income high "/buy="No") = 2/5 = 0.4  P(student "yes"   buy="y") = 6/9 = 0.67  P(student "yes"   buy="N") = 1/5 = 0.67  P(credit "fair"   buy="N") = 6/9 = 0.117  P(credit "fair"   buy="N") = 6/9 = 0.117  P(credit "fair"   buy="N") = 2/5 = 0.4  ×(age=31-40, income = high, studen = yes, credit = fair)
P(income high "/buy="y") = 2/9 = 0.222  P(income high "/buy="No") = 2/5 = 0.4  P(student "yes"   buy="y") = 6/9 = 0.67  P(student "yes"   buy="N") = 1/5 = 0.67  P(credit "fair"   buy="N") = 6/9 = 0.117  P(credit "fair"   buy="N") = 6/9 = 0.117  P(credit "fair"   buy="N") = 2/5 = 0.4  ×(age=31-40, income = high, studen = yes, credit = fair)
P(Student "yes   buy = "No") = 2/5 = 0.4  P(Student "yes   buy = "N") = 6/9 = 0.667  P(Student "yes   buy = "N") = 1/5 = 0.2  P(credit "fair"  buy = "N") = 6/9 = 0.117  P(credit "tair"  buy = "N") = 6/9 = 0.117  P(credit "tair"  buy = "N") = 2/5 = 0.4  X(age=31-49, in came = high, studen = yes, credit = fair)
P(Student "yes   buy = "No") = 2/5 = 0.4  P(Student "yes   buy = "N") = 6/9 = 0.667  P(Student "yes   buy = "N") = 1/5 = 0.2  P(credit "fair"  buy = "N") = 6/9 = 0.117  P(credit "tair"  buy = "N") = 6/9 = 0.117  P(credit "tair"  buy = "N") = 2/5 = 0.4  X(age=31-49, in came = high, studen = yes, credit = fair)
P(Student "yes   buy = "No") = 2/5 = 0.4  P(Student "yes   buy = "N") = 6/9 = 0.667  P(Student "yes   buy = "N") = 1/5 = 0.2  P(credit "fair"  buy = "N") = 6/9 = 0.117  P(credit "tair"  buy = "N") = 6/9 = 0.117  P(credit "tair"  buy = "N") = 2/5 = 0.4  X(age=31-49, in came = high, studen = yes, credit = fair)
P(Student "yes 1   buy z "y") = 6 / 9 = 0.667  P(Student "yes"   buy z "N") = 1 / 5 z a.2  P(credit "fair"   buy z "Y") = 6 / 9 z 0.167  P(credit utair"   buy z "N") = 2 / 5 z a.4  X(age=31-49, in came z high, studen = yes, credit 2 fair)
P(Student "yes 1   buy z "y") = 6 / 9 = 0.667  P(Student "yes"   buy z "N") = 1 / 5 z a.2  P(credit "fair"   buy z "Y") = 6 / 9 z 0.167  P(credit utair"   buy z "N") = 2 / 5 z a.4  X(age=31-49, in came z high, studen = yes, credit 2 fair)
P(Student "yes 1   buy z "y") = 6 / 9 = 0.667  P(Student "yes"   buy z "N") = 1 / 5 z a.2  P(credit "fair"   buy z "Y") = 6 / 9 z 0.167  P(credit utair"   buy z "N") = 2 / 5 z a.4  X(age=31-49, in came z high, studen = yes, credit 2 fair)
P(Studenty yesh   buy z Nn) = 1/5 z 0.2  P(credit Mfair   buy z Nn) = 6/9 z 0.117  P(credit Mtair   buy z Nn) z 2/5 z 0.4  X(age=31-49, in come z high, studen z yes, credit z fair)
P(Studenty yesh   buy z Nn) = 1/5 z 0.2  P(credit Mfair   buy z Nn) = 6/9 z 0.117  P(credit Mtair   buy z Nn) z 2/5 z 0.4  X(age=31-49, in come z high, studen z yes, credit z fair)
P(Studenty yesh   buy z Nn) = 1/5 z 0.2  P(credit Mfair   buy z Nn) = 6/9 z 0.117  P(credit Mtair   buy z Nn) z 2/5 z 0.4  X(age=31-49, in come z high, studen z yes, credit z fair)
P(Studenty yesh   buy z Nn) = 1/5 z 0.2  P(credit Mfair   buy z Nn) = 6/9 z 0.117  P(credit Mtair   buy z Nn) z 2/5 z 0.4  X(age=31-49, in come z high, studen z yes, credit z fair)
P(credit Mfair buy z my 1) = 6   9 z 0.117  P(credit Mfair buy z "N") = 2   S = 0.4  X (age=31-49, in come z high, studen = 4es, credit 2 fair)
P(credit Mfair buy z my 1) = 6   9 z 0.117  P(credit Mfair buy z "N") = 2   S = 0.4  X (age=31-49, in come z high, studen = 4es, credit 2 fair)
P(credit ntair boyz "N") = 2 (S = 0.4 × (age=31-49, in come = high, studen = yes, credit = fair)
P(credit ntair boyz "N") = 2 (S = 0.4 × (age=31-49, in come = high, studen = yes, credit = fair)
P(credit ntair boyz "N") = 2 (S = 0.4 × (age=31-49, in come = high, studen = yes, credit = fair)
× (age=31-49, in come = high, studen = yes, credit = fair)
× (age=31-49, in come = high, studen = yes, credit = fair)
X (age=31-49, in come z high, studen = yes, credit = fair)
1/1. (. M. g. e = 5 ) = 4y , 1 y (mme . 2 . M. g. ) (
$\alpha \in \{1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1$
P(x/buy="y") = 0.5 x 0.22 x 0.167 x 0.667=0.049
1/1 ( x 1 buy z ~ N 1 ) - 2 - 4 - 167 x 0 - 4 x - (1, 2 x 0 . 4 = 0.995
$P(x C_i) \times P(C_i)$ : $y = 0.643 \times 0.48 = 0.03 \times \text{sunmits}$
V = 0.00178

age

income student redit\_rating com