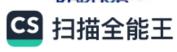
CHAPTER # KRAZZIRit Section 2.4 and Fx. 46 I think P(A1B) is larger, because a person is over 6 ft in height is a common thing given that he is a backer professional basketball plet player. But a person over 6 ft height is not usually a profession basketball player. Ex. SO a) P(MNLSN) = 050.05 We can conclude by the diagram b) P(MNPr) = 0,00,07+0.05 = 0.12 c) P(SS) = 0.04 + 0.02 + 0.05 + 0.08 + 0.07 + 0.12 + 0.03 + 0.07 + 0.08 = 9.56 P(LS) = P(SS) = 1 - P(SS) = 0.44 d) PCM)= 0.08+0.07+ 0.12+0.10+0.05+0.07 = 0.49 P(Pr) = 0.02+0.0]+0.0]+0.02+0.05+0.02=0.25 e) P(MISSMPL) = 0.08 +0.03 = 0.533 f) P(SS/MMPL) = 0.08 = 0.444 P(LSIMAPL) = 1- P(SSIMAPL) = 0.556 Ex.58 PLAUCE PLANCUARNE) P(AUBIC)= PLANC) + PLABNC) - PLANBNC) = P(AIC) + P(BIC) - P(ANBIC) Ex. 63





- b) P(ANBNC) = 0.75×0.9×0.8 = 0.54 c) P(BNC) = 0.15×0.9×0.8 + 0.25 × 0.8×0.7 = 0.68 d) P(C) = 0.75×0.9×0.8 + 0.75×0.1×0.6 + 0.25×0.8×0.7 + 0.25×0.2×0.3 = 0.74 e) P(AIBNC) = P(ANBNC) = 0.54 P(BNC)

c) P(A3) = 0.7 x 0.3 x 0.3 x 3 = 0.189

d) P(A4) = P(A3) + 0-33 = 0.216

e) PCAS) = P((A,UAZUAS) N (A, NAZNAS)) PLAIUAZUAJ) 1-0.33 P(A,UA2UA3)



(Annagia)

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Section 3.2
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EX-12 Denote Ai be the question a,b, c (i=1,2,3),4)

- a) P(A1)= 0.05+0.10+0.12+0.14+0.25+0.17=0.83
- b) P(A2)= 1-P(A1)=0.17
- C) P(A3) = 0.05 P(A1) 20.66 P(A4) = 0.05+0.10+0.12=0.27

Ex.23

- a) P(x=2) = F(3)-F(2) = 0.2
- b) P(X73) = 1-0.67 = 0.33
- c) P(2 < x < 5) = R. F(5) F(1) = 0.92 -0.19 = 0.78

Ex. 25

- Y=0, that is P(B) = P
- Y=1, that is: (1-p)p
- Y22, that is: (1-p) p

3

Y=K, that is: LI-PJKP