

	1.2	
	Jespey 200 1 10 pmp - F-11) = 0.6	•
	Susaf Lee (19) 198 place 1.11) . C.	
\$0.0 =	Together my sar it me week PERIA	
0.2		
0.3 : 0	Hardds chances for getting B = P(A) = Sharons chances for getting B = P(B) =	0-80
	Sharons chances for getting B. P(B)=	0.90
	Atleast one of them getting B = P(AUB) =	0.91
-	Both getting B = P(AunB) = 10.79	
a]	P(only Marold gets B)	
	= 0.80 -279	
	P (Torry at Bank / Sugar at Banks)	(a)
	= 1%	
	: P(RIB) : 0.08 . 0.26	
@ b)		
9) =	P (Only Sharon gots B)	
	(d 8 4 90 - 2 - 2 d 8 1 - 7 1 9	(1
	P CTong at Burk / Sugapr. or 09.0 Bank)	(4
	= 0.11	
•+	101.0: 118% ('80.9.19 :	
0/7	1.11 = 7.0 (3)9	
-		
(2)0:067	P(Both not getting B)	(5)
	, 0	
	= 1- P(AUB) (BUH) \ (BUH) \ (BUH)	
	= 1-0.91	
	70170.09 80.0 (61429	
, , ,	= 9%	

-	
1.3	bet Two dides out sported
	Susan goes to the bank = P(A) = 0.20
	Susan goes to the bank = P(B) = 030
	Together at the Bank = P(A1B) (-10.08
	(5)9
	For event to be Independent
	136
	P(A/B) = P(AAB) = P(A)
\$1.	2) (2) (2) (1) (1) (1) (2) (3) (3) (3) (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
	(6)9
	i.e P(ANB) = P(A). P(B)
	(8) = 6 = 11/
	In this case 35
	0.08 + 0.20 × 0-30 = (309)9
	0.08 7 0.06
	0.08 + 0.08
	-1 1 4 + A - 1 - 2 1 +
	Therefore they are not Independent.
3 32 00	P(B) xP(B) = P(A)B) Fon events
	36 9
+	The eventy and not Independan
- 40	
1	

64	Two dices are notled
a)	P(A) = Sum 28 6
	of(5) = 36 = sheet aft at says
8	· P(A) = (20,5), (2,4), (3,3), (4,2), (5,1)}
	9(5)
	P(A) of the point
	P(H/B) = (P(H/B) = P(B))
	P(B) = {(1,5) (2,5) (3,5) (4,5) (5,5) (6,5)}
	P(5)
	(G)4. (A)9 : (80 A)1 si.
	P(B) = 6 = 1/6 con but ne
	P(A1B) = 2553 x 0 = 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
down L.	These pass livey one red diplopment
	P(A) × P(B) = P(A1B) For everts to be independent
	5 x 1 + 1
	36 6 36
	The events are not Independant.

62 A: Sum is 7 XI on political : A B = The First die shows s' P(s) = 36 Th the prilling P(A) = {(1,6)(2,5)(3,4)(4,3)(5,2)(6,1)} P(s) 01.0 = ())9 PSS) P(A) 36 $P(B) = \{(5,1)(5,2)(5,3)(5,4)(5,5)(5,6)\}$ 2) . 0 . (P(s) XT AT 16) 1. [Stylinding oil): 0.18 + 0.06 + 0.01 (Simbout 1 & 1936]. (In know) (A)) . P(AOB) = P(A) x P(B) 36 = 6 6 .. The events are independent.

Induding 'Grew in passengers" 1. P(Passenger did not survive) = (hour 100 = 30.6769 Pl Passenger staying in 2th dass 2201 2.60.0 () whomas & 2.0.1476 . PIP.0: (byvinus 5 of ub #14976% P(First class Passenger sunvived) 73.00 (BOVE-MULL & BUDILLAND A (BOVILLES 203)9 P(AIN Sunvived) 1- Pl (Wild & Souting) - 0-2855 12.85 1 = 15 (Surived) x (PC & sundered) 4] P(Swivival) = 32.30 - 32.30 - 32.30 / P(Firestclass) = 325 = 0.1476 = 14.76% Plauvival n First dass = 203 - 00922 2201 = 9.22 PC 8 vanvival 1 First das) + P(A). P(B) 9.72 \$ 32.30 × 14.76 They are not independent.

Including view in o S. 1.48.0 we did not survive Pl Adut (survived) Exchest a private repriese = 91.98% P(. F. c & swervived) = 0.285 P (Adults (survived) = 0.919 P (Child & survived) = 0.08 P(FG& sunvived) 1 P(Adults & Survived) P(FI. & survived) 1 P(Child & Survived) P(Adutl & survived) XP(PC & survived) 0.919 X 0.285 (polimens) = 0.26 + 0.277 They are not independent P(child & survived) 1 P(F.C & swunder) = 0.08 × 0.285 = 0.02 **羊 ⑧. ②.** Heme the events are not independent