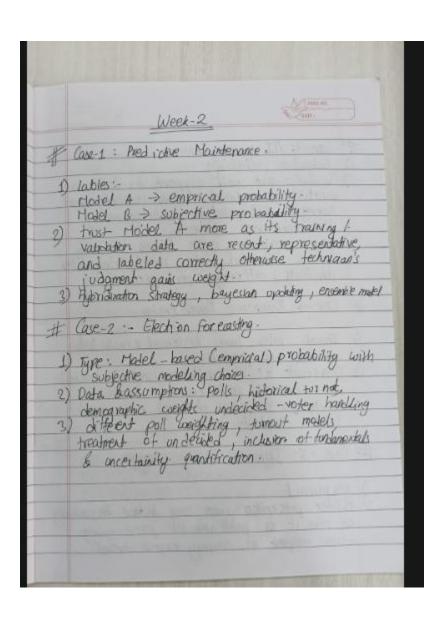
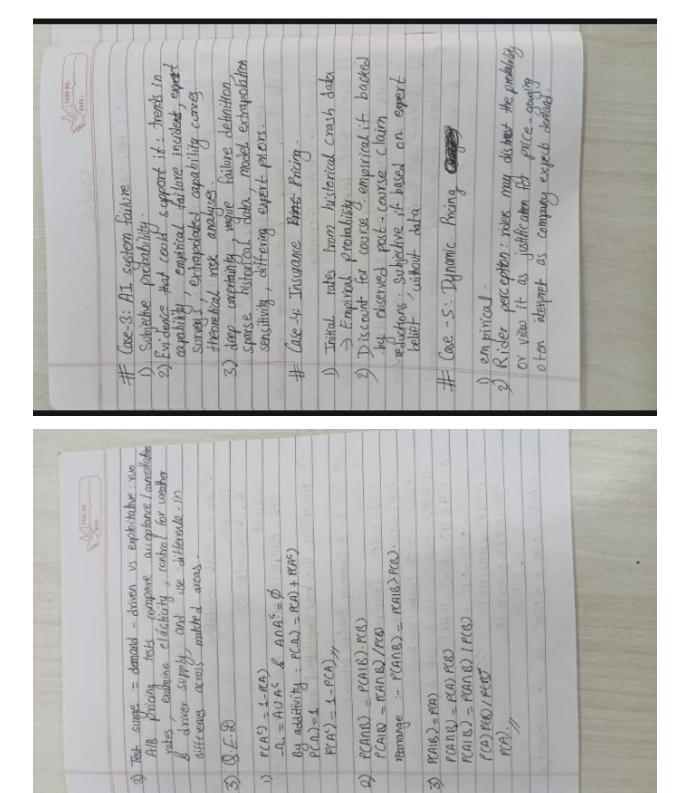
Workshop-2

ΑI





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1	P(AUP) = P(A) + RP) = RANE) 0.25 +0.15 -0.10 = 0.30 P(AUP) = 0.30 = 30 1/2
# ^	Case-2: College course Enrollmed Given, out of loso statents. 05 = 600 std 000 = 600 = 0.60
	AI - 450 Std = 0.45 P(AI) - 450 = 0.45 IOOO P(DS NAI) = 250 = 0.25
	at least one course (use inclusion -exclusion) P(DSUAI) = ROS] + P(AI) - P(OS MAI) 0.60+0.45-0.25=0.80 - 0.80 = 80%
2 8	reither course trues UAI) = 1-0.80=0.20 = 201 done is 1.

P(TAIR) = PTRIEND P(A)/PTRES PROBABILITY A (A NR) U (AURY) A (A NR) U (AURY) A (A NR) U (AURY) A (AR) = P(A) A (A PROBABILITY A (AR-1 + E-Commence Purcha P(A) = 0.55 (Adds to a P(A) = 0.15 (Ambles purcha P(A) = 0.15 (Ambles purcha) P(A) P(C) = 0.10 - 0.15 - 0.0375
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CANT.	# (ace-z: University library Usage. Squan: out of 1200 stds. P(B) = 700 = 0.583 (Digital resource) P(B) = 500 = 0.416 (Phystral books)	1) probability a student uses neither. Union: P(DU PB) = P(D) + P(PB) - P(B) nPR) O : \$5	2) events "case digital" "A "uses prysical boots" dissoint? No as P(DNPR) = 0.X >0 They overlab. 3) Axioms used : inclusion - exclusion (additivity for dispoint unions) , complement to be.	
Contraction of the contraction o	# Case-4:- Online Strenming Habits. Africa PECH)-0.60 PCCHOS -0.40 PCCHOS -0.20	Plonly movie) = Plon) - Plonns) Plonly series) = Plsy - Plonns? Plon Her) = 1 - Pl m v S Plon Her) = 1 - Pl m v S Plon Her) = 0.60 ± 0.40 - 0.20 Plon Her) = 0.60 ± 0.40 - 0.20 Co, ((neither) = 1 - 0.80 = 0.20 = 20 f.	2) movie wathing 6 series watching motually exclusive?	

4) what overall chance of seeing the result? 4) what overall chance of seeing the result? 54) acceleros = 0.02 Fig. = 0.05 Fig. = 0			
10 or False Alarm. 10 or False Alarm. 11 000000 = 0.02 11 000000 = 0.03 121 0.83500 = 0.032 121 0.83500 = 0.0147 121 0.83500 = 0.0147 121 0.0000 131 0.0000 14 0.0000 14 0.0000 15 0.0000 16 0.0000 17 0.0000 18 0.0000 19 0.0000 19 0.0000 10 0.00000 10 0.00000 10 0.00000 10 0.00000 10 0.00000 10 0.00000 10 0.	37	what overall chance of seeing the result? Evidence also called magginal litelihood.	the case 5: Snimp
Sactor not fraud: 5) 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	FS #	Case Study. Case 1: Frond or False Alarm.	1 22
= 0.9 \$x0.005600 = 0.02 (300/1000) = 0.02 (300/1000) 5) 5) 5) 5) 6) 6) 6) 6) 6) 6) 7) 8) 7		P(A) _ 2000/100000 = 0.02 P(A) _ 200/100000 = 0.02 P(A) = 500/100000 = 0.03 P(A) E) _ 430/500 = 0.015/7	PLAUSS = PAS) + 0.07 2) Axion relate: non-negativity:
			additivity 1 incluss two events: we so State. Bitemas
		6.02 = 0.245 = 24.57.) Generate Head Commers > River.
1 1/48 4000 000		probability of floged transaction not found:	> litelihood 3) IT we observed the condition?

THE REAL PROPERTY.		as to 03-0 ad	nion of	A Spirit	population	this test	how likely is	
	Pailune Report.	probability a phone has either issue PCRUSS = PCRS + PCRS - PCRNSS = 0 as to 03-0 ad FCRUSS = 0.07 = 77.	Axion relate: all prebabilities = 0 additivity linculation-exclusion for union of two exents: used above	Wa k will	sommon than common is the analytica in population Rice.	THE CONSTITION IS MUSE, how likely is this test rescrit?	result, how	
	Tace-S: Smartphore Pailme Report. 103 -0.05 113 -0.03 CBND-0.03	probability a phone has either PUBLUST = PUBLUST - PUBLUST = 0.07 = 77.	relate: all prebing inclusion - exclusion - exclusion exclusion exclusion above	Bilenmas	t is rammer is 4	Hon is hire	the condition? Posterror	
	(ave-5: Smart frien. Pro3 =0:05 1153 =0:05 1 CBND =0:03	1000	2) Axion relate: non-negativity additivity incu	5) Both Bilenma	Senance III		3) It we observed the condition?	
	#	9	8	3) 6 3 6	2 4	B 4	

Proce - 9 - Te Ais a Problem product	Pror PlDefective) =0.09 PlughReturn Defective) =0.90 Plugh Return obetetive) = 0.05	P(Defective High Return) = ? P(High Return) = P(High Return Defective) P(Gelective) + P(High Return Defective) P(Gelective)	R(3) behave $) = 1 - 0.04 = 0.96first ferm = 0.96 x 0.04 = 0.036Sand ferm = 0.05 x 0.96 = 0.048Sun = 0.036 + 0.048 = 0.084.R(4)$ $R(4)$	1828-tahue High Rehum) = 0.90×0.05 - 0086 = 0.428 = 42.87:	
900)	P.C.High	PCDefe	Plaseterne first term sand term sun = 0.0 R. Hahletern?	Raefer	4
#	. 9		0	0	

(ave-3: Is Curking the Email a Good Predictor 10 - 20
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