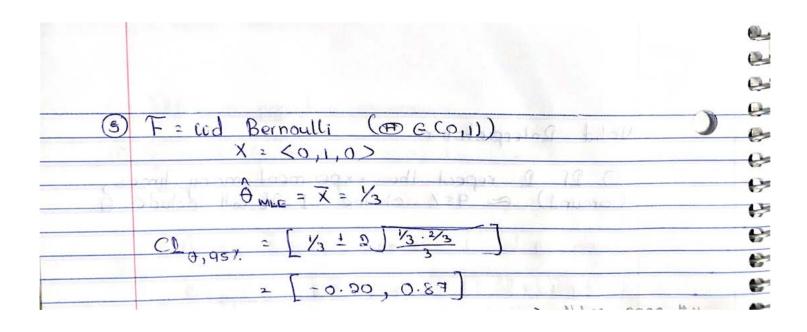
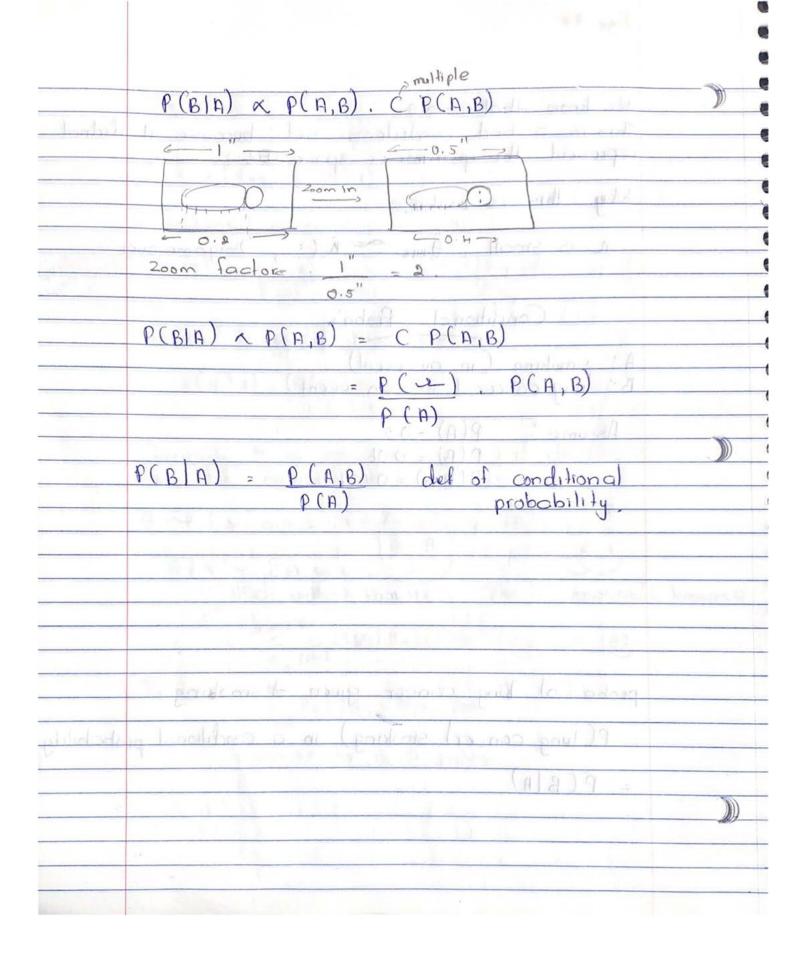


. 0	Trouble in paradise examples.
1	F= icd Bernoulli -> x _L , x ₂ , x ₃ - x _n cid (θ)
	mode) X = (0,0,0)
	OMIE = X = 0
	$CI_{0,1-x} = \left[\overline{X} \pm 2_{\frac{x}{2}}\right]^{\frac{1}{2}(1-x)} = \left[0\right]$
(B)	RRx = [t] all test are rejected
(a)	What it you know OC [0.1, 0.2]
	Rs there any way to make use of this information?)
3	Let's interpret the confidence input
gla ni	Cl 0,95% = [0.37, 0.43]
	What is the interpretation?
	Andrew's theory; P(AC Clarasy) >95% -> wrong. Our assumption A is a fixed value (parameter)
2	p(0.392 € [0.37,0.43])=1] → true.
	P(0.36 C[0.37, 0.43]) = 0
	production of the same
	the set t

II >	
	Valid Enterpretation
	Valid Enterpretation
	1) Of 0 repeat the experiment many times.
	(around) ~ 95%, of the CI It will include 0.
	exp # 1 [] C1 # 1
-	exp#2 [] 15 (#200.04)
	exp#2 [] ** ** ** ** ** ** ** ** ** ** ** ** *
	exp #3 [] #3
	E (A) A K (A (B) A (B, A) A (E)
	exp # 4 []
-9	0 (8,9)7 = 10(4)7
3	1 Before you do the experiments,
-	P(OG Cloud) = 1-2 (8/18/9 - 18/19)9
-	0,1-2
(H)	In a hypothesis, you eithere rejection of the or
	SMLE G RR = Retain Ho
-	OMEE E RRa = Retain Ho.
-3	MIE HO
-3	ÎMLE (RRx => Reject Ho
-3	The smaller p value the The
-	Strong rejection
-3	N Pejal
	(2111) U (2111) = A 5% level of x
-	P Value" is defined as.
	Pual: - P(seeing fine or more extreme Ho)
	HOKEALL
- Danient see	Pral = P(seeing AMLE or more extreme Ho tive)
S agranding a	= p(Ho X) fruely what you want
	probe my theory is true



	Page ##
	We know that & do
	This is a had confidence set; because it didnot
	This is a bad confidence sol; because it didnot represent the parameter space &.
	Why this is brake?
	3
-	n is small; fine ~ N(,)-game over
	Conditional Probo's
	A: Smoking (in an event) B: lung concer (in an event)
	b. lung concer (in an event)
	Assume: P(A) = 0.2
	P(B) = 0.0b.
30	P(B) = 0.06. P(A,B) = 0.036
	p= universe
	(A (B) (A (P)
	A 6
	(AB) x (B/A) -> some shope
	proba of lung cancer given at smoking
	PClung concert smoking) in a conditional probability
	r Clung Cancell Smoking) in a continuital praisassing
	= P(B A)



	and the sale of th	-
=>	P(A,B) = P(B A) P(B)	-
	0(110) 2 (10)	1
	P(A B) = P(A,B)	7
	elason P(B) all ab up and A (T)	(
	P(A,B) = P(A B) P(B)	-
	No. 1	(
wa off	P(B A) = P(A B) P(B)	
	P(A)	
	of apt 9 = 99 D , me	-
=)	P(B, A) = P(A Bi) P(Bi) Bayes Rule K= (A, Bk)	
1041	K = H (A, Bk) = 29 A 310 A	_
	Bayes Rule: P(B A) = P(B A) P(B)	
	PCA) year partle	
	A = (ANB) V (ANB')	
	(A) B)	
	P(A) = P(AMB) + P(A,BC)	
	Addition Rule	
	(A) - Place of the or man of property of - love	
	S. + B. UB2 UB3 V UBK	
	B, B2 B3 Bu = >2 collecting exclusive	
	but Bi () Bi #0 mutually	
	exclusive.	

))	Roger to the Control of the Control
	2 can prove this,
)	A = (AnB,) V (AnB,) U V (AnBk)
=)	$P(A) = \sum_{k=1}^{K} P(A, B_k)$
)	Bayes theorm 19 (HA)
)	$P(B_i A) = P(A B_i) P(B_i)$ $= P(A B_k) P(B_k)$
)	$\frac{Ce'q'(\theta)\times Dq}{(x)q} = (x(\theta)q)$
))	Let's say Distriction of the same of the
)))	supp [x] = 21,2,3,4) supp [y] = 21,2,3,4,5,6]
Densend D	1 1 2 3/14 S b m table give the p(x=x, Y=y)
×	2 Plys the marginal of the sum of col the
)	marginal probability: p(4=5) = p(4=5, x=1) + p(4=5, x=2) + p(4=5, x=3) + p(4=5, x=4)
	= Σ P(Y=5, X=x) {x G supp [x]
)	

