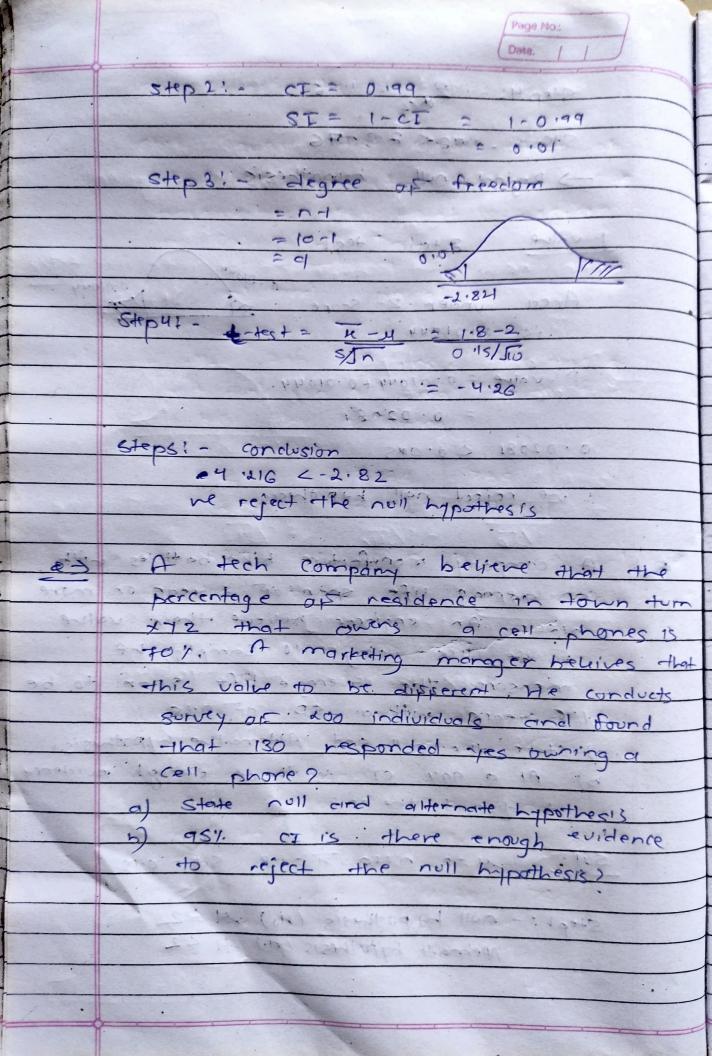
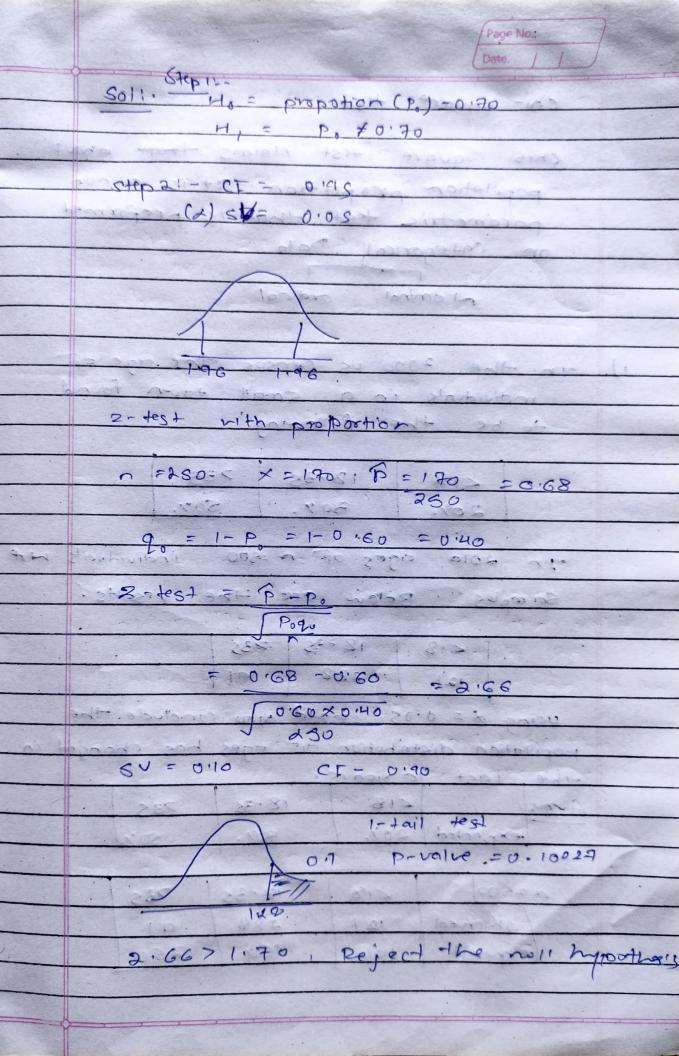


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	Step 4! - 2 = 1.96		
	MARIO II TO TO THE TOTAL THE TOTAL TO THE TOTAL THE TOTAL TO THE TOTAL	A 24.7	
	Steps: - 1196 < 2.3076		
	-> Reject null hypothe	si'c	
		3 . 0.07	
	P-value 2 tal teat		
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	Area under 2- score	0.01044	0:01044
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	1's = 0:01044		
	P-value = 0.01044 +0.01044		
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		SU2-19-	
	: ve reject mil prébathes	US Day	
		7	
0	. A company manufacture	biket both	ies with
	or average life span	of dyear	or more
28 3	njear. An engineer be		
	to be less using a 10		
	measures the average		
	1:6 years with a Sp		
	a) state the null and Al		
	b) At a 997. CI, is the	here, enou	gh evidence
	to pliscord the no.?	A SAME	To the
23	table lands much is in	057	
	501: M=12/10 1=10 1 =1	.8 29 =	0.15
	Step1: - null by puthesis (H	10) 4 22	
	Afternate hypothesis (11) 4 - 2	39





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	chi- square test.		
	chis Square test claims that about		
	population proportion. It is a non		
	parametric test that is preformed		
	on categorical Data		
	ni ominal ordinal		
1)	In the 2000 us census the age of		
	individuals in a small town found		
	to be their following		
	<181 (18+35 735)		
	20% 30% 50%		
	In 2010, ages of n=500 individuals MA	4	
	Samples, Below are the hesults.		
	< 18 18 - 35 >35		
	, 121. 288 91		
	using d= 0.05 " hould you conclude the		
	population distribution of ages has changed in		
	the last 10 years		
	Ans: < 18 18-35 785		
	expected 20% 80% 50%		
	n=500 218 18-35 735		
	Observed 121 288 91		
in the m			
W			

Step 1: Mull hypothesis is the data meets the expected distribution 4. Data doesn't meet expected distribution Ctep 2: SU (d) = 0.05 CF = 9.5%. Step 3! Degree of Freedom Scategorica 13 Stp 4: - decision boundary = 5.991 Steps: chi-square test statistic $\mathcal{H}^2 = \left\{ \left(\left(F_0 - F_e \right)^2 \right) \right\}$ $= 121 - 100 + (228 - 150) + (91 - 250)^{2}$ $100 \qquad 150 \qquad 150$ x2 = 232,494 conclusion = 22 > 5.99 = Reject 40