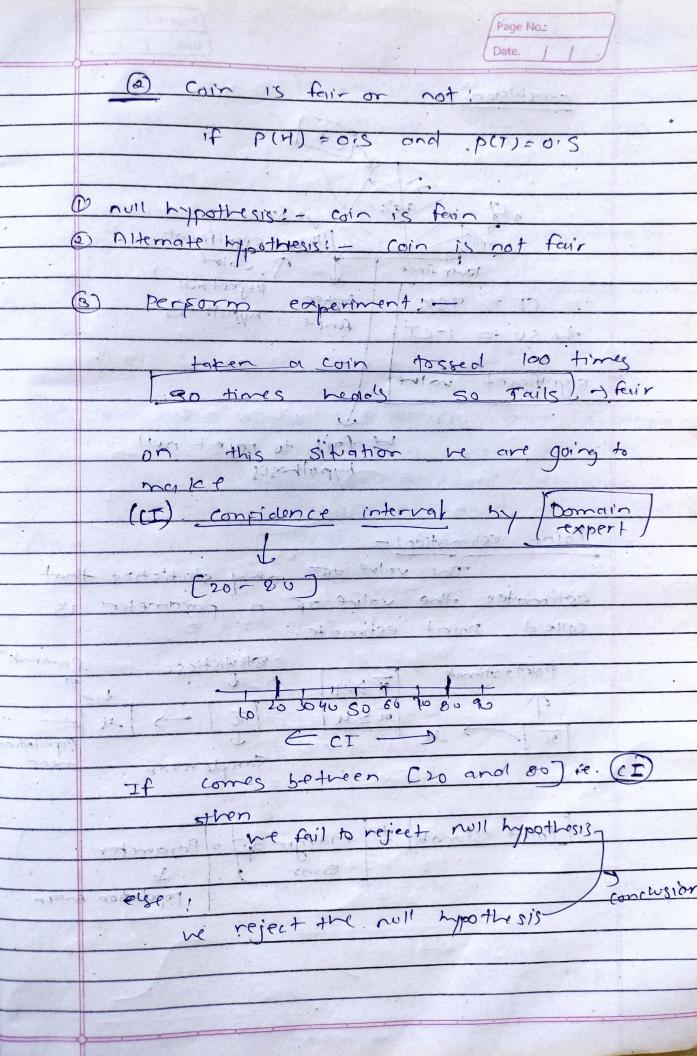
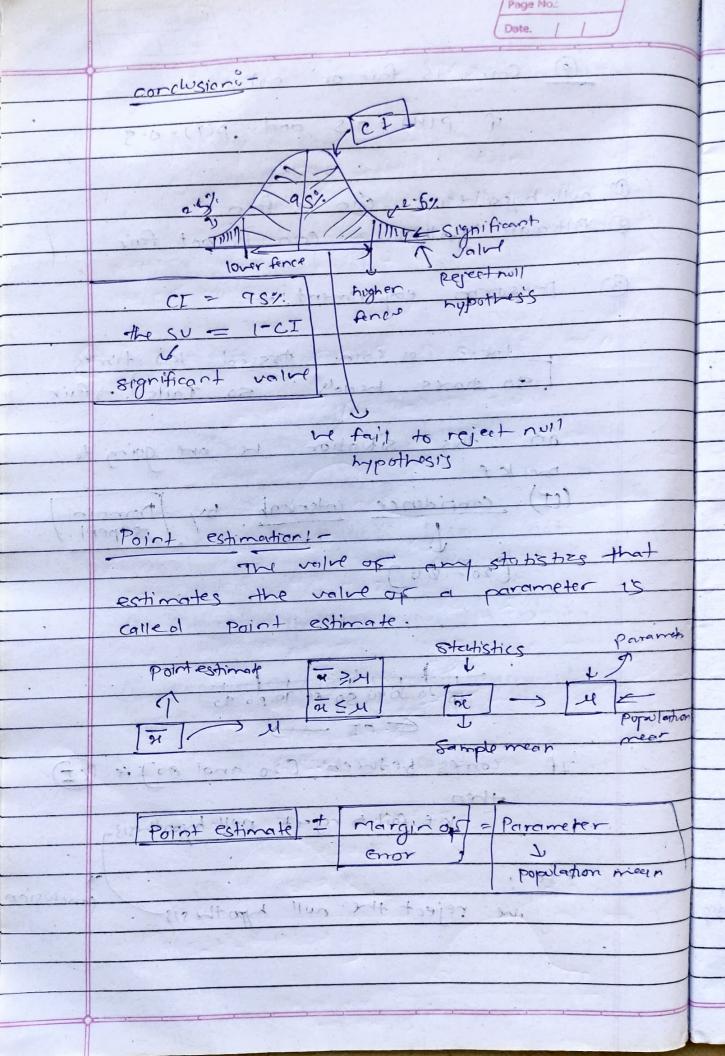
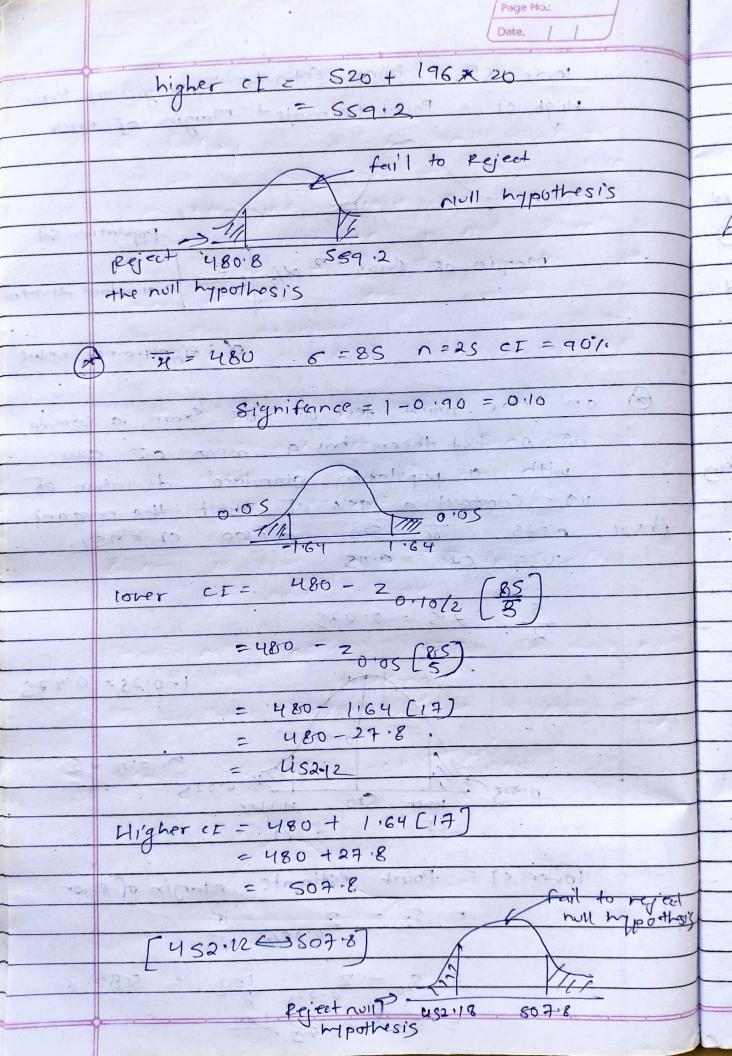
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=	Day 25)
	> Inferential statistics: - :- Z test
	1 Hypothesis testing - P-test.
	(2) Privated - chi square test
	(3) Confidence interval & Annovaitat
193	(4) Significant value
	Steps of hypothesis testing?
	Sould Wanteb pross
	conquesión (i
	s. o - congression of the
July 1	ovh and swall
	(D) null hypothesis: Peson is not
	(Amina)
	(2) Alternate importness: . peson: 15 crimina)
	3 experiment / proof i - much hingerprint,
	L'eapons etc.
	The state of the s
	Judge = conclusion





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	lover ct = Point Estimate - margin of enor
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	2122 toget lines (
	Population Sol
	Margin of From = 2 x/2 5
	Jn Storolard alevration
	NOP = 10 SE= 10 SE= 0 X = Significance voime
<i>⊗</i>	on the quant test of cat Gram, a sample
	of as test takers has a mean of 520
	with a population standard deviation of
0	110 Construct a 95% of about the manan?
Ans.	1 = 1 = 1 = 0.05 $0 = 1 = 0.05$ $0 = 1 = 0.05$
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	Date.
	an the quant test of cat exam, a
	sample of as test takers has a mean of
	820, with a sample standard deviation
	of 80. construct 95% cf about
	then meaning and
Ans 21	01 = 520 : 5=80 CI = 95%
	10.5U=1-0.95 =0.05
93334	$\frac{1}{2}$ $\frac{1}$
	x + 12 (S)
	E To coutoives brobants o die.
	lover cT = 520 - + 0 os/2 (80)
	= 520 - 2.064×16.
tron!	Higher (I = 553.024
	Higher (I - 3 to 1)
	2.00 % 80 = 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	1 Itail and 2 tail test
	(2) colleges in town a has 85% placement rate. A new college was recently opened and it was found that a sample of
	rate. A new college was recently opened
	and it was found that a sample of
child	150 students had a placement rate of
	88%. with a standard deviation of 4%.
	Does this college has a different placement
	rate with 95% cf?
	greater than 85%.
	1 tevil test Right state
	- Lesser than BST.
	1 tail test left side 585 285
56.	

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Hypothesis Testing Proble s deed devery has a m 1) A factory has a machine that fills 80 ml of Baby medicines in a bottle. An employee believe the average amount of baby medicine is not 80 ml. oxing (Two Tailed test) 40 samples he measure the overage amount dis pressed by the medichine is to be 78 ml with a standard deviation of 2.5. State a) Null kypothekis. b) At asi Ct, is there enough evidence to support machine is working properly or Protises = 12 10 1/2/11 @ college in nova a has 85% h Stept ?- hull hypothesis: u= 80 . The machine is elamos o tout brighorking is has Alt hypothesis: le +80 machine is not norting · Step ? ... S. U. (d) = 1-CT = 1-095 10.05 p. =10.0510

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Stp3: - t-test	
toroza = 1.96	
when n 2 8 30 or population so is given	+
USE Z test	
	1 401
when neso and sample SD is given used Strest	VY
2ttest	
Decision. Boundry	
-1.96 to 1.96	
A Dy.	
-1.96 80 1.96	
z-test.	
$2 = \frac{1}{2} - \frac{1}{2} = $	596
5/Jm 25/J40 25/J40	
Conclusion!	
(-196 (-) 1.96)	
-5.0896 is not in range.	
: ne faited to reject null importhesis	
i.e. machine is not working	

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