	Sneuron ai assignment on Statistics:	
91)	Plot histogram,	ettillettillettikkontillettikkontillettillet suhtetyrensissassas
· '	10, 13, 18, 22, 27, 32, 38, 40, 45, 51, 56, 57, 88, 90, 92	2,91
7	raona	
	range = max-min / I want 6 ping then wins	
	J = 99-10 / would be 88=6=14-6~15	7
	= 88 / 15 is my bin width	Specification will device a service of the control
	bin's Freq.	
	10-25 4	
	25-40 3	
	40-555 3	
	55-70 2	
	70-85-0	
	85-100 5	
	^	1
	6 -	
	5	
	3-	
		Company of the control of the contro
	2	

100

70-

85

55-

70

40 -55

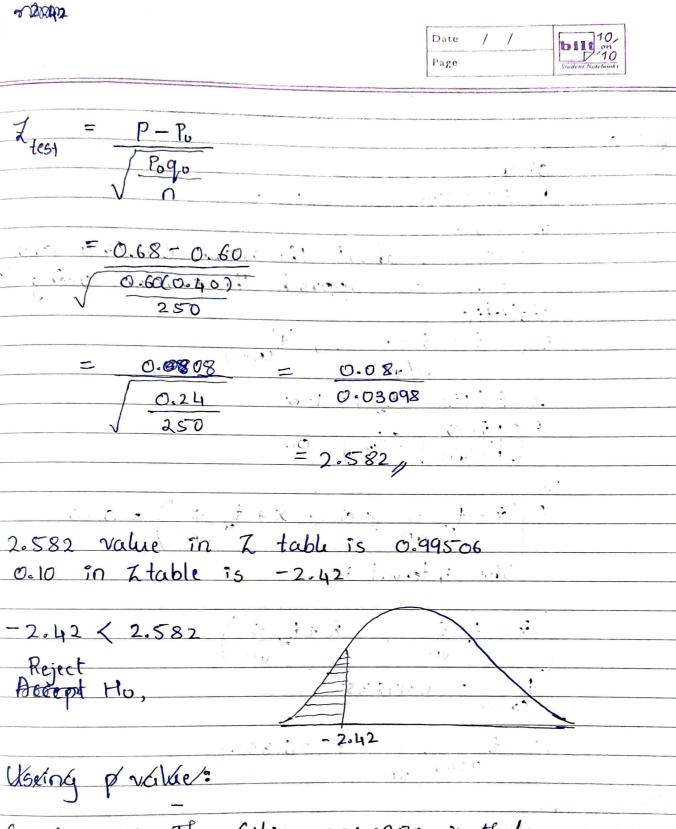
26--40

0

10-

2.7	Page / / Studen Guelans.
147	what is the value of 99 percentile?. 2,2,3,4,5,5,5,6,7,8,8,8,8,9,9,10,11,11,12
	$L_{K} = \frac{K}{100} \times (n+1)$ Here, $n=20$ $= 99 \times (20+1)$
	= 0.99 x 21. = 20.79, Value of 99 percentile is 12.,
5>	
	Right Skewed data or positive Skewed data are Skewed to right Right area > heft area mode
	$\overline{x} \rightarrow M \rightarrow mode$
	Right < Left Alegative Skewed data or Left Skewed. X < M < mode
	X

Page



Conclusion: The Citizen of ABC is that awns vehical are more than 60%.

Q2>

given, n = 25 5.D = 100

x = 520

:. 80% C.I about the mean (0) Sinis own Sample is as we approch the problem using it

statistic i.e, $t = \bar{x} - \sigma$ \sim 't' s/\sqrt{n}

: P(It) = 1-a

$$P\left(\left|\frac{\bar{x}-0}{5/\sqrt{n}}\right| \le t_{\alpha}\right) = 0.8$$

$$P\left(\bar{x}-t, \frac{5}{4}, \frac{5}{4}\right) = 0.80$$

... The interval is

t = 1.3178357 (0.20)

(0.20) \sqrt{n} = 26.3567

The 80% CI is

[1,93.6433 , 57,6.3567)