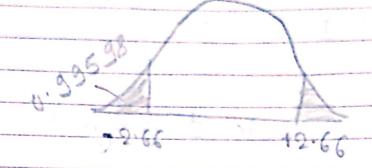


3	A car believes that the percontage of Citizensin
	IN CITE ODG TILL IN 1990 COLONICIPALIS
	A sales manager disagree with this He Conducted
	a hypothesia testina luxueuine 250 regidents ?
	A Sales manager disagree with this He Conducted a hypothesis testing surveying 250 residents ? found that 170 residents responded yes to owning
	a vehicle.
	VENICIO
(a)	State the null & alternate hypothesis.
(b)	At 0 10 %. Signibicance lovel, is there enough
	evidence to suppost the Idea that vehicle owner
	in ABC City is 60% or Cess'
Sol	Mul Hypothess 2 Ho = 607.06 less then 60%.
	H, = More than 60%
	CA
	N = 250
	x: 170
	^
	p = x = 170 = 0.68
	n 250
	PO - 90= 1 - PO = 1 - 0.6 = 0.4
=>	2 = 1-CI = 1-90 = 01
,	
⇒)	Z-test: P-PO Accept
	POSA
	P096 50 0:05
	parcet
	= 0.68 - 0.6
	J.O. 6 X O. 4 =
	0.50

15.811

= 2666 Resect Null typitudes

[P Value]



Pr value: 1-0.99598

= 6.00402 +0-boy62

- 0.00804

0-00304 < 0.1

P value & Significance Jone 1 -> Reject Null Hypotusis

0.00804 (0.1

94 What is the value ob the 99 percontile? Data det: 2,2,3,4,3,5,5,6,7,8,8,8,8,9,9,10,11,11, 2, 2, 3, 4, 5, 5, 6, 7, 8, 8, 8, 8, 8, 9, 9, 10, 11, 11, 12 801 Value = Percentagre x n 6.99×20 indem - 19.8 Value 86 99 percentile > 11+12 = 11.5

