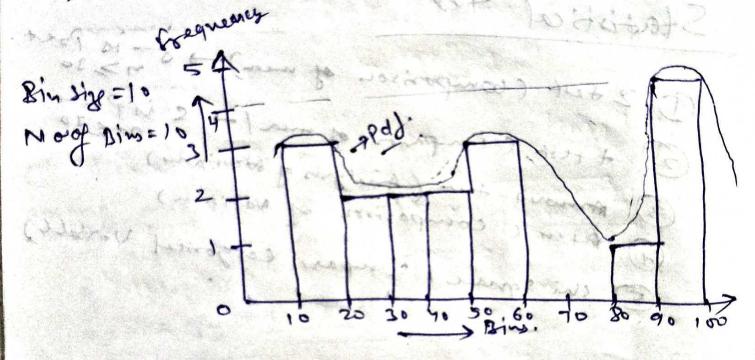
25-09-2022

## Statistice Assignment i-neuron

Q1. Plot a Histogram,

10,12,18,22,27,32,38,40,45,51,56,57, 88,90,92,94,99.

Aus).



## Histogram

Dr. In a quant text of the ext exam, the population standard deviation is known population standard and terriation is known to be 100. A sample of 35 yests taken to be 100. A sample of 35 yests taken has a mean of 520. Construct 80%, CI chas a mean.

cilven! 0=100 CI = 80.1 1-08=0.2 C80,1.0200 present tyrother. +1.29 Reject the Nuy riz poter ryporuis Here, we know Population standard deviation we apply 2 test. For, 2-score is ranging B-tween -1.29 to +1.29 I'm augs my dre mean value.

Q3. A car Delieves that the percentage of citizens in city ARC that owns a helich is 60% or less. A sales manger disagrees with this: He conducted a hypothesis tests surveying 250 residents & found that 170 seridents responded yes to owing a vehicle 9) State the New Valternate hypotheris L) At a 1011. Rignificence lul, is there enoyh evidence to support he idea mat verhicle owner in proc's Nuy typotheris. Aug. 0 Ho = ppages < 60%. - 1 tale H1= Po> 60').

 $\begin{array}{c}
\lambda = 2^{\circ} \cdot \\
\lambda = 1 + 0 \cdot \\
\lambda = 1 + 0 \cdot \\
\lambda = \frac{1}{2} \cdot \frac{$ 

0110 = 3 X=0-10 \$ 2 Deare = P-P0 = 0.68-0.60 d Poro  $\frac{0.08}{250\times100} = \frac{0.08}{0.03} = \frac{2.66}{0.03}$ 250×100 Henre, Refert me Nous. UP / AVEC

Ph.

By. What is value of of me agpasentle? 21213141515151617,818,8,9,9,9,10,11,11,1 Value = Perently (n+1) = 99 × (19+1) = 94 × 20 = 19.8. Value - 12 Q5. In left & right-spend data, what is relationship L/w mean + median & mole ?. Draw a graph. Cigles left lost Pight. Right slewed - proode > median > mode Jeft speved - mode, medran, mean,