Date ___/_ Assignment: Plot a histogram 10, 13, 18, 22, 27, 32, 38, 40, 45, 51, 56, 57, 80, 90, 92, 94, 99 no of bin = 5 Ans 1 kin size= 20 prequency bin 0-20 20-40 40-60 60-80 86-100 20 40 60 80 0

Date = 0.90 (Gaathi) In a Guant test of CAT Exam, Population Stondard deviation is known to be 100. A somple of 25 to test takers has a mean of 520, Construct an 20%. biven: - population standard deviation 6 = 100 DC = 520 m = 25 $\alpha = 0-20$ H (= X Boes not like in CI EI= 80% à lius im (I 807. 0.10 Ryidl (Ryert Determine maryin of error. $\frac{\chi \pm 2\alpha}{5} = \frac{6}{100}$ $\Rightarrow 520 - 26.00 = \frac{100}{5} = 520 - 1.29 = 494.5$ Lower tunce night funce = 520 + 25.8 = 545.8 within yay. 2 to 5 45.8 · mil hypothysis Hat

(Saathi)

A car company believed that the percentage of citizens in city ABC that owns a vehicle is 60% ar less. A sales manager disagrees a with this
the conducted a hypothesty telpting
surveying 250 bresidents &
found that 170 residents responded
yest to owning a vehicle. State the null and alternate hyothefis. At a 10% Significance level, is there amough widence to Support the idea that vehicle auner in ABC city is 60%. or less. Solution Criven p = 0.60 h = 0.68 l I = 96%

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Robation > mode > median > mean > mellian > mede

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