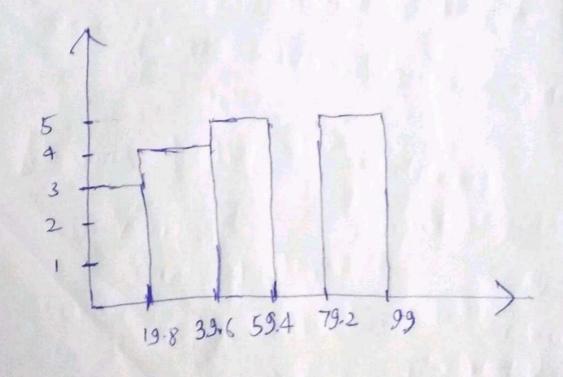
Histogram

steps:

1) Assen sort (Assending)

} 10, 13, 18, 22, 27, 32, 38, 40, 45, 51, 56, 57, 8 90, 92, 94, 99 3

2) bins (no-of group) lest Day 5
bin Dize (Nize of one group) = $\frac{99}{5}$ = 19.8

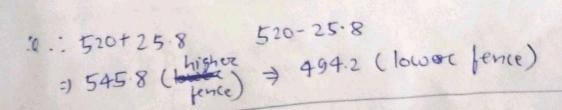


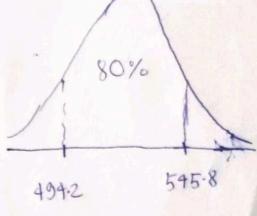
: point estimation

. point estimation

$$\overline{n} \pm 1.29 \times \frac{100}{\sqrt{25}}$$

=
$$520 \pm 1.29 \times \frac{100}{5}$$



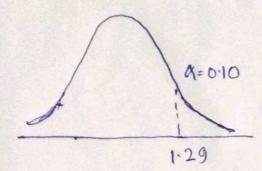


Question3

1) No 6 60% [null hypothesis]

11, > 60% [alternate "]

- one tail test
- 11) X = 0.10
- 111) Decision boundary



Z>1.29 neject / hypokuis

IV) Finding 2 score

Po (Population Po (Probability WILT population) =
$$\frac{60}{100}$$
 = 0.60 $\frac{170}{250}$ = 0.68

$$Z = \frac{\hat{p} - p_0}{\sqrt{\frac{p_0(1-p_0)}{n}}} = \frac{0.68 - 0.60}{\sqrt{\frac{0.6 \times 0.4}{250}}} = \frac{0.08000}{0.03098}$$

.. Treject the null hypothesis

U): Tranclusion - Vehicle owner in ABC city is morre than 60% Question 4

2, 2, 3, 4, 5, 5, 5, 6, 7, 8, 8, 8, 8, 8, 9, 9, 10, 11, 11, 12 fore 99 porcentile,

200 Daducedo

since 21st index have no habite on does not exist we will consider Only 20th & index

in thus tous love value of 99 percentile

is 12 Ans.

Jupstion 5 medican mode mean Right shew nelwion between Mean, medius, mode mean > median > mode

