$$N: 25$$
 $S^{\text{MAIC}} = 9$
 425
 4.25

$$S^{2} = \frac{1}{n-1} \left[\frac{2}{2} \times \frac{1}{2} - \frac{1}{2} \times \frac{1}{2} - \frac{1}{2} \times \frac{1}{2} - \frac{1}{2} \times \frac{1}{2} + \frac{1}{2} \times \frac{1}{2} \right]$$

$$= \frac{1}{n-1} \left[\frac{1}{2} \times \frac{1}{2} + \frac{1}{$$

Normance of sample men v(x) 2 Kill X S $= \frac{25-4}{25\times4} \times 1 = 0.21$ Standard error of estimate of man = 41(2) = 10.21 = 0.958 The estimatate of standard enron V(X)=N2V(X)-(25)2x0.21 = 131.25 X = JX(X) = J31.25 = 11.46 Proportion P = 3 = 0.75 6)

9.5

	er regarding	1	7,	11	4	6/	6	7	8	9	10	11.	14.	13 214	1,15
or can	in the same of	A		0	2.	(.)	1	4		2	0		0	3	0 4
sci	N	16	17	12	19	26	21	1.1	1.3	24	25	l.	11		
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$$S^{2} = \frac{1}{N-1} \times \left[\sum X^{2} - \left(\sum X^{2} \right) \right]$$

$$= \frac{1}{S-1} \left[\left(\sum_{i=1}^{1} y^{2} + \sum_{i=1}^{1} y^$$

Variance 03 sample

$$V(\bar{x}) = \frac{N-M}{NN} \times S^{2}$$

$$= \frac{30-S}{30NS} \times (10)^{2}$$

$$= 1.67$$

standard evron or estimate of mean

The estimate of standard ennous of Population

$$\sqrt{(x)} = \sqrt{10} \times 167$$
= 1503

$$= \sqrt{(8)} = \sqrt{1503}$$

enopontion 720.45Margin of crush = 0.1 $2^{2} PQ$ 3^{2} $(1.96)^{2} \times 0.45 \times 0.55$ $(0.1)^{2}$ 3 = 35

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اماد	4	2	3	4	5	6	7	8	9	10	1	12	
Orsande	16	7	4	9	11	4	2	7	7	9	4	45	
W. at	13	14	15	14	17	18	11	2.6	21	22	23	281	2
(Maskill	2	7	(6	7	6	9	11	19	5	7	7	A Company of the Comp	Part of the last

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$$S^{2} = \frac{1}{N-1} \times \left[2x^{2} - \frac{(2x)^{2}}{x} \right]$$

$$= \frac{1}{4-1} \times \left(11^{2} + 7^{2} + 45^{2} \right) - \frac{(11^{2} + 7 + 45^{2})^{2}}{4}$$

$$= 339.67$$

variance of sartle mean
$$V(\bar{x})$$

$$= \frac{N-h}{Nh} \times S^{\perp}$$

$$= \frac{23-h}{33\times h} \times 339.67$$

$$= 70.15$$

Standard even of estimate of mean $\sqrt{v(x)}$ $\sqrt{70.15}$ 8 3 76

Marigin of CUTUR = 0.05

Size
$$N = \frac{2^2 p Q}{dL}$$

$$= \frac{(1.96)^2 \times 0.3 \times 0.7}{(0.05)^2} = 322.694$$