Power Analysis Type I evror P(Sols C DC1:+ 1 Ho) = x Type I enor p (sets = pont | Ha) = B Power = 1- p L and p are inversely related Ha

- effect size
- sample rize
 - significance
 - power

$$\overline{X}$$
: $z = \frac{\overline{X} - \mu}{6/\sqrt{n}} \sim N(Q_1)$

$$\rho\left(2_{1/2} \leq \frac{\overline{X} - \mu}{6/\sqrt{n}} \leq 2_{1-d_1}\right) = 1-\alpha$$

$$P(\bar{\chi} + \bar{Z}_{1}, \frac{\delta}{\sqrt{L}}) \leq \mu \leq \bar{\chi} + \bar{Z}_{1-d/2}, \frac{\delta}{\sqrt{L}}) = 1-\alpha$$

Margin of error (E)

$$= n = \left(\frac{2 \times 12 \cdot 6}{E}\right)^2$$

$$\frac{\sqrt{p} \cdot p}{\sqrt{p(1-p)/h}} \sim N(q)$$

$$\frac{\sqrt{p} \cdot p}{\sqrt{p} \cdot p} \sim N(q)$$

$$\lambda = \left(\frac{2 \times 12}{E}\right)^2 \cdot p(1-p)$$

Samples

With applocament

(dixed sample)

$$\begin{bmatrix}
 1, 2, 3
 \end{bmatrix}
 \begin{bmatrix}
 1, 2, 3
 \end{bmatrix}
 \begin{bmatrix}$$

Percentages:
$$E = R \mu$$

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$$h = \frac{6^2 \pm 2}{E^2} = \frac{\left(6^2 / \mu^2\right) \cdot 2^2}{R^2} = \frac{c^2 \cdot 2^2}{R^2}$$

$$c = \frac{6}{4} / \mu - \text{loefficient}$$
of variation