
ΕΚΤΙΜΗΣΗ ΠΑΡΑΜΕΤΡΩΝ ΜΕ ΔΙΑΣΤΗΜΑΤΑ ΕΜΠΙΣΤΟΣΥΝΗΣ

$$\left(\bar{x} - z_{1-\alpha/2} \frac{\sigma}{\sqrt{n}} , \bar{x} + z_{1-\alpha/2} \frac{\sigma}{\sqrt{n}} \right)$$

$$\left(\bar{x} - t_{n-1,1-\alpha/2} \frac{s}{\sqrt{n}} , \bar{x} + t_{n-1,1-\alpha/2} \frac{s}{\sqrt{n}} \right)$$

$$\left((\bar{x}_1 - \bar{x}_2) - z_{1-\alpha/2} \sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}} , (\bar{x}_1 - \bar{x}_2) + z_{1-\alpha/2} \sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}} \right)$$

$$\left(\begin{aligned} &(\bar{x}_1 - \bar{x}_2) - t_{n_1+n_2-2,1-\alpha/2} \sqrt{\frac{(n_1-1)s_1^2 + (n_2-1)s_2^2}{n_1+n_2-2}} \left(\frac{1}{n_1} + \frac{1}{n_2} \right) , \\ &(\bar{x}_1 - \bar{x}_2) + t_{n_1+n_2-2,1-\alpha/2} \sqrt{\frac{(n_1-1)s_1^2 + (n_2-1)s_2^2}{n_1+n_2-2}} \left(\frac{1}{n_1} + \frac{1}{n_2} \right) \end{aligned} \right)$$

$$\left((\bar{x}_1 - \bar{x}_2) - z_{1-\alpha/2} \sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}} , (\bar{x}_1 - \bar{x}_2) + z_{1-\alpha/2} \sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}} \right)$$

$$\left(\frac{x}{n} - z_{1-\alpha/2} \sqrt{\frac{\frac{x}{n} \left(1 - \frac{x}{n} \right)}{n}} , \frac{x}{n} + z_{1-\alpha/2} \sqrt{\frac{\frac{x}{n} \left(1 - \frac{x}{n} \right)}{n}} \right)$$

$$\left(\left(\frac{x_1}{n_1} - \frac{x_2}{n_2} \right) - z_{1-\alpha/2} \sqrt{\frac{\frac{x_1}{n_1} \left(1 - \frac{x_1}{n_1} \right)}{n_1} + \frac{\frac{x_2}{n_2} \left(1 - \frac{x_2}{n_2} \right)}{n_2}} , \left(\frac{x_1}{n_1} - \frac{x_2}{n_2} \right) + z_{1-\alpha/2} \sqrt{\frac{\frac{x_1}{n_1} \left(1 - \frac{x_1}{n_1} \right)}{n_1} + \frac{\frac{x_2}{n_2} \left(1 - \frac{x_2}{n_2} \right)}{n_2}} \right)$$

$$\left(\frac{(n-1)s^2}{\chi_{n-1,1-\alpha/2}^2} , \frac{(n-1)s^2}{\chi_{n-1,\alpha/2}^2} \right)$$

$$\left(\frac{S_1^2}{F_{n-1,m-1,1-\alpha/2} S_2^2} , \frac{S_1^2}{F_{n-1,m-1,\alpha/2} S_2^2} \right)$$