

Formulas of 105 stat

أي قانون غير موجود فانت مطالبة بحفظه :

$Z = \frac{\bar{x} - \mu_0}{\sigma / \sqrt{n}}$ $\bar{x} - d < \mu < \bar{x} + d$ $d = z_{1-\alpha/2} \frac{\sigma}{\sqrt{n}}$ $n \geq \frac{z_{1-\alpha/2}^2 \sigma^2}{d^2}$	$Z = \frac{\bar{x} - \mu_0}{S / \sqrt{n}}$ $\bar{x} - d < \mu < \bar{x} + d$ $d = z_{1-\alpha/2} \frac{S}{\sqrt{n}}$	$T = \frac{\bar{x} - \mu_0}{S / \sqrt{n}}$ $\bar{x} - d < \mu < \bar{x} + d$ $d = t_{n-1, 1-\alpha/2} \frac{S}{\sqrt{n}}$
$t^2 = \frac{(n-1)S^2}{\sigma^2}$ $\frac{(n-1)S^2}{t^2_{n-1, 1-\alpha/2}} < \sigma^2 < \frac{(n-1)S^2}{t^2_{n-1, \alpha/2}}$ $\sqrt{\frac{(n-1)S^2}{t^2_{n-1, 1-\alpha/2}}} < \sigma < \sqrt{\frac{(n-1)S^2}{t^2_{n-1, \alpha/2}}}$ $t^2_{df, r} = t^2_{v_1, r} + \frac{df - v_1}{v_2 - v_1} (t^2_{v_2, r} - t^2_{v_1, r})$	$Z = \frac{r - P_0}{\sqrt{\frac{P_0(1-P_0)}{n}}}$ $r - d < P < r + d$ $d = z_{1-\alpha/2} \sqrt{\frac{r(1-r)}{n}}$ $n \geq \frac{z_{1-\alpha/2}^2 P(1-P)}{d^2}$	$Z = \frac{\bar{x}_1 - \bar{x}_2}{\sqrt{\frac{\sigma_1^2}{n_1} + \frac{\sigma_2^2}{n_2}}}$ $(\bar{x}_1 - \bar{x}_2) - d < \mu_1 - \mu_2 < (\bar{x}_1 - \bar{x}_2) + d$ $d = t_{n_1+n_2-2, 1-\alpha/2} \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}$
$Z = \frac{\bar{x}_1 - \bar{x}_2}{\sqrt{\frac{S_1^2}{n_1} + \frac{S_2^2}{n_2}}}$ $(\bar{x}_1 - \bar{x}_2) - d < \mu_1 - \mu_2 < (\bar{x}_1 - \bar{x}_2) + d$ $d = z_{1-\alpha/2} \sqrt{\frac{S_1^2}{n_1} + \frac{S_2^2}{n_2}}$	$T = \frac{\bar{x}_1 - \bar{x}_2}{S_p \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$ $(\bar{x}_1 - \bar{x}_2) - d < \mu_1 - \mu_2 < (\bar{x}_1 - \bar{x}_2) + d$ $d = t_{n_1+n_2-2, 1-\alpha/2} S_p \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}$	$F = \frac{S_1^2}{S_2^2}$ $F_{r, n_1-1, n_2-1} = \frac{1}{F_{1-r, n_2-1, n_1-1}}$
$T = \frac{\bar{x}_1 - \bar{x}_2}{\sqrt{\frac{S_1^2}{n_1} + \frac{S_2^2}{n_2}}}$ $(\bar{x}_1 - \bar{x}_2) - d < \mu_1 - \mu_2 < (\bar{x}_1 - \bar{x}_2) + d$ $d = t_{df, 1-\alpha/2} \sqrt{\frac{S_1^2}{n_1} + \frac{S_2^2}{n_2}}$	$\bar{D} = \frac{\bar{D}}{\sqrt{n}}$ $\bar{D} - d < \mu_D < \bar{D} + d$ $d = t_{n-1, 1-\alpha/2} \frac{S_D}{\sqrt{n}}$	$Z = \frac{r_1 - r_2}{\sqrt{\hat{r}(1-\hat{r})(\frac{1}{n_1} + \frac{1}{n_2})}}$ $\hat{r} = \frac{n_1 r_1 + n_2 r_2}{n_1 + n_2} \quad \hat{r} = \frac{a_1 + a_2}{n_1 + n_2}$ $(r_1 - r_2) - d < P_1 - P_2 < (r_1 - r_2) + d$ $d = z_{1-\alpha/2} \sqrt{\frac{r_1(1-r_1)}{n_1} + \frac{r_2(1-r_2)}{n_2}}$

: أي قانون غير موجود فأنت مطالبة بحفظه

$$t^2 = \sum_{i=1}^k \frac{O_i^2}{E_i} - n$$

$$E_i = np_{io}$$

$$t^2 = \sum_{i=1}^r \sum_{j=1}^c \frac{O_{ij}^2}{E_{ij}} - n$$

$$F = \frac{MST_r}{MSE}$$

$$F = \frac{MSbk}{MSE}$$

$$F_A = \frac{MSA}{MSE}$$

$$F_B = \frac{MSB}{MSE}$$

$$F_{AB} = \frac{MSAB}{MSE}$$

(sum of the column j) (sum of the raw i)

$$E_{ij} = \frac{\text{(sum of the column j) (sum of the raw i)}}{\text{Total}}$$

$$T^+ + T^- = n$$

$$w_s = w_1 - \frac{n_1(n_1+1)}{2}$$

$$\bar{x} = \frac{\sum x}{n}$$

$$\bar{y} = \frac{\sum y}{n}$$

$$S_{XY} = \sum xy - n\bar{x}\bar{y}$$

$$S_{xx} = \sum x^2 - n\bar{x}^2$$

$$w_{1-r, n_1 n_2} = n_1 n_2 - w_{r, n_1 n_2}$$

$$S_{yy} = \sum y^2 - n\bar{y}^2$$

$$b = \frac{S_{xy}}{S_{xx}}$$

$$a = \bar{y} - b\bar{x}$$

$$y = a + b x$$

$$R^2 = \frac{bS_{xy}}{S_{yy}}$$

$$r_p = \frac{S_{xy}}{\sqrt{S_{xx} S_{yy}}}$$

$$r_s = 1 - \frac{6 \sum d^2}{n(n^2 - 1)}$$

X

