

$$s^2 = \frac{\sum_{i=1}^n (x_i - \bar{x})^2}{n-1}$$

$$u = \frac{z - \mu}{\sigma_z}, \text{ pl.: } u = \frac{x - \mu}{\sigma}, u = \frac{\bar{x} - \mu}{\sigma/\sqrt{n}}$$

$$\chi^2 = \frac{s^2 \nu}{\sigma^2}$$

$$t = \frac{z - E(z)}{s_z}; \quad \text{pl.: } t = \frac{\bar{x} - \mu}{s/\sqrt{n}}$$

$$F(\nu_1, \nu_2) = \frac{s_1^2/\sigma_1^2}{s_2^2/\sigma_2^2}, \quad \text{ha } \sigma_1 = \sigma_2 \rightarrow F(\nu_1, \nu_2) = \frac{s_1^2}{s_2^2}$$

$$F_{1-\alpha}(\nu_1, \nu_2) = \frac{1}{F_\alpha(\nu_2, \nu_1)}$$