p vrednost

$$p = \begin{cases} 2 \cdot \left[1 - \phi\left(|z_0|\right)\right] & H_1 : \left(\mu_1 \neq \mu_2\right) \\ 1 - \phi\left(|z_0|\right) & H_1 : \left(\mu_1 < \mu_2\right) \\ & H_1 : \left(\mu_1 > \mu_2\right) \end{cases}$$

Greška II vrste - razlika sredina

$$\beta = \begin{cases} \Phi\left(z_{\alpha/2} - \dfrac{\Delta\mu_1 - \Delta\mu_2}{\sqrt{\dfrac{\sigma_1^2}{n_1} + \dfrac{\sigma_2^2}{n_2}}}\right) - \Phi\left(-z_{\alpha/2} - \dfrac{\Delta\mu_1 - \Delta\mu_2}{\sqrt{\dfrac{\sigma_1^2}{n_1} + \dfrac{\sigma_2^2}{n_2}}}\right) & H_1 : \left(\mu_1 \neq \mu_2\right) \quad \text{Dvosmerni test} \\ 1 - \Phi\left(-z_\alpha - \dfrac{\Delta\mu_1 - \Delta\mu_2}{\sqrt{\dfrac{\sigma_1^2}{n_1} + \dfrac{\sigma_2^2}{n_2}}}\right) & H_1 : \left(\mu_1 < \mu_2\right) \quad \text{Levosmerni test} \\ \beta = \Phi\left(z_\alpha - \dfrac{\Delta\mu_1 - \Delta\mu_2}{\sqrt{\dfrac{\sigma_1^2}{n_1} + \dfrac{\sigma_2^2}{n_2}}}\right) & H_1 : \left(\mu_1 > \mu_2\right) \quad \text{Desnosmerni test} \end{cases}$$

Veličina uzorka - razlika sredina

$$n = \frac{\left(z_{\frac{\alpha}{2}} + z_\beta\right)^2 \left(\sigma_1^2 + \sigma_2^2\right)}{\left(\Delta\mu_1 - \Delta\mu_2\right)} \quad \text{ili} \quad n = \frac{\left(z_\alpha + z_\beta\right)^2 \left(\sigma_1^2 + \sigma_2^2\right)}{\left(\Delta\mu_1 - \Delta\mu_2\right)}$$