Testy hypotéz - jednovýběrové

rozdělení náh. vel.	testovaná hypotéza H	testovaná alternativa A	testové kritérium	kritický obor W_α	pozn.
$N(\mu, \sigma^2)$	$\mu = \mu_0$	$\mu \neq \mu_0$ $\mu > \mu_0$ $\mu < \mu_0$	$t = \frac{\bar{x} - \mu_0}{s} \cdot \sqrt{n}$	$\lvert t \rvert \geq t_{1-\alpha/2}(\nu)$ $t \geq t_{1-\alpha}(\nu)$ $t \leq -t_{1-\alpha}(\nu)$	$\nu = n - 1$ pro $\nu > 30$: $t_P(\nu) \approx u_P$
	$\sigma^2 = \sigma_0^2$	$\sigma^2 \neq \sigma_0^2$ $\sigma^2 > \sigma_0^2$ $\sigma^2 < \sigma_0^2$	$\chi^2 = \frac{(n-1) \cdot s^2}{\sigma_0^2}$	$\chi^2 \leq \chi^2_{\alpha/2}(\nu) \vee \chi^2 \geq \chi^2_{1-\alpha/2}(\nu)$ $\chi^2 \geq \chi^2_{1-\alpha}(\nu)$ $\chi^2 \leq \chi^2_{\alpha}(\nu)$	$\nu = n - 1$ pro $\nu > 30$: $\chi^2_P(\nu) \approx 0{,}5\,(u_P + \sqrt{2\nu - 1})^2$
libovolné	$\mu = \mu_0$	$\mu \neq \mu_0$ $\mu > \mu_0$ $\mu < \mu_0$	$u = \frac{\bar{x} - \mu_0}{s} \cdot \sqrt{n}$	$\lvert u \rvert \geq u_{1-\alpha/2}$ $u \geq u_{1-\alpha}$ $u \leq -u_{1-\alpha}$	pro dost. velké n
$A(\pi)$	$\pi = \pi_0$	$\pi \neq \pi_0$ $\pi > \pi_0$ $\pi < \pi_0$	$u = \frac{p - \pi_0}{\sqrt{\pi_0(1 - \pi_0)}} \cdot \sqrt{n}$	$\lvert u \rvert \geq u_{1-\alpha/2}$ $u \geq u_{1-\alpha}$ $u \leq -u_{1-\alpha}$	pro n : $n\pi_0(1 - \pi_0) > 9$