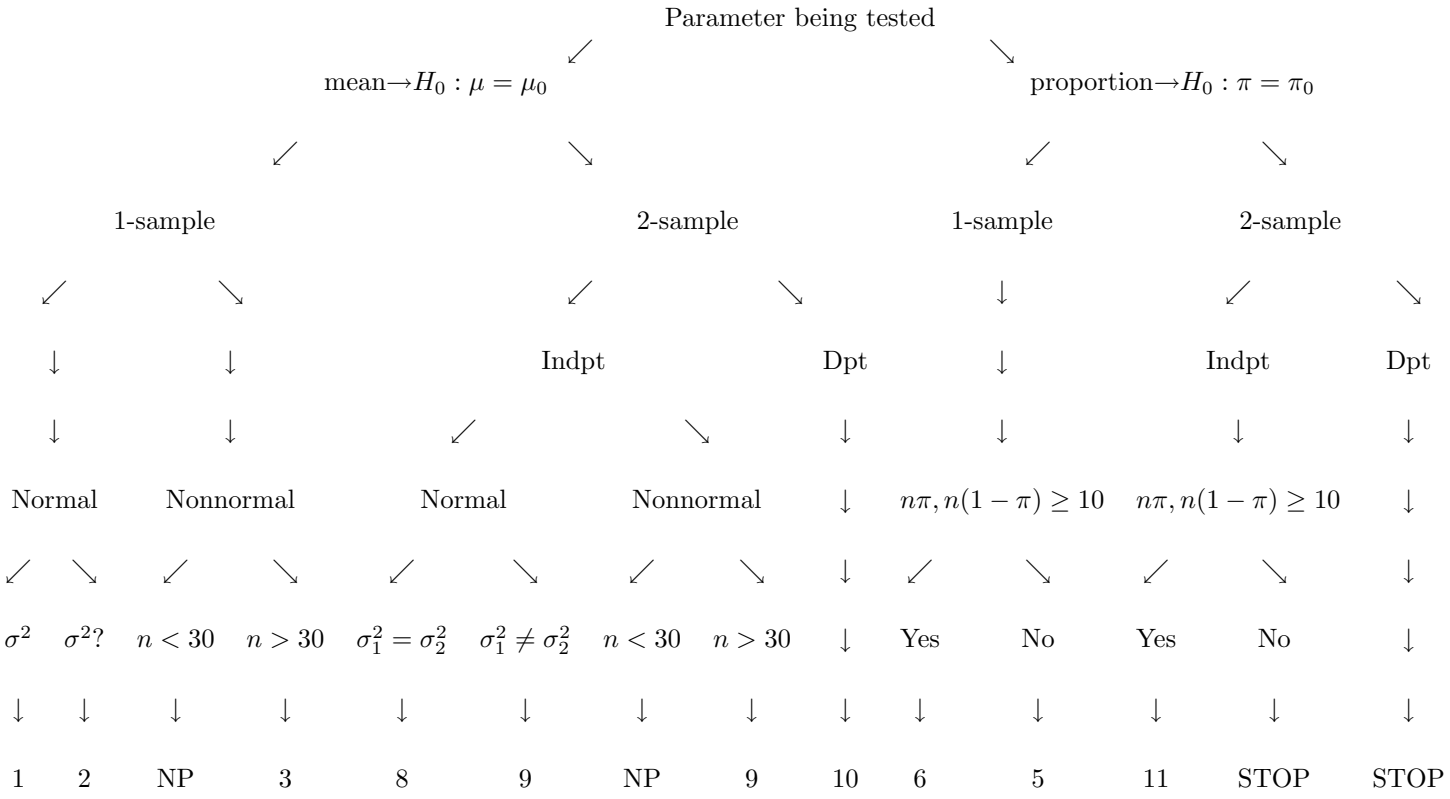

1-sample z-test 1 ⇒ $z = \frac{\overline{x}-\mu_0}{\sigma/\sqrt{n}}$

1-sample t-test 2 ⇒ $t_{n-1} = \frac{\overline{x}-\mu_0}{s/\sqrt{n}}$

approximate z-test 3 ⇒ $t_{n-1} \approx z = \frac{\overline{x}-\mu_0}{s/\sqrt{n}}$

5 ⇒ exact Binomial

normal approximation 6 ⇒ $z = \frac{p-\pi_0}{\sqrt{\pi_0(1-\pi_0)/n}}$

To test $H_0 : \sigma^2 = \sigma_0^2$ ⇒ $\chi^2 = \frac{(n-1)s^2}{\sigma_0^2}$

pooled t-test 8 ⇒ $t_{n_1+n_2-2} = \frac{\overline{x_1}-\overline{x_2}-(\mu_1-\mu_2)}{\sqrt{s_p^2(1/n_1+1/n_2)}}$

2-sample t-test 9 ⇒ $t_{df} \approx z = \frac{\overline{x_1}-\overline{x_2}-(\mu_1-\mu_2)}{\sqrt{s_1^2/n_1+s_2^2/n_2}}$

paired t-test 10 ⇒ $t_{n_d-1} = \frac{\overline{x}_d-\mu_{d_0}}{s_d/\sqrt{n_d}}$

2-sample proportions 11 ⇒ $z = \frac{p_1-p_2}{\sqrt{p_c(1-p_c)(1/n_1+1/n_2)}}$

NP ⇒ non-parametric test

To test $H_0 : \sigma_1^2 = \sigma_2^2$ ⇒ $F = \frac{s_1^2/\sigma_1^2}{s_2^2/\sigma_2^2}$