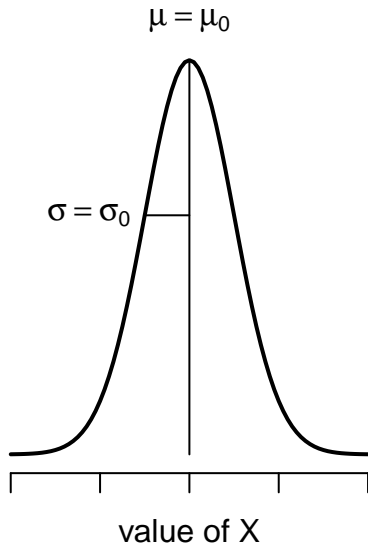null hypothesis

alternative hypothesis

$\mu = \mu_0$

$\mu \neq \mu_0$

$\sigma = \sigma_0$

$\sigma = \sigma_0$

value of X

value of X