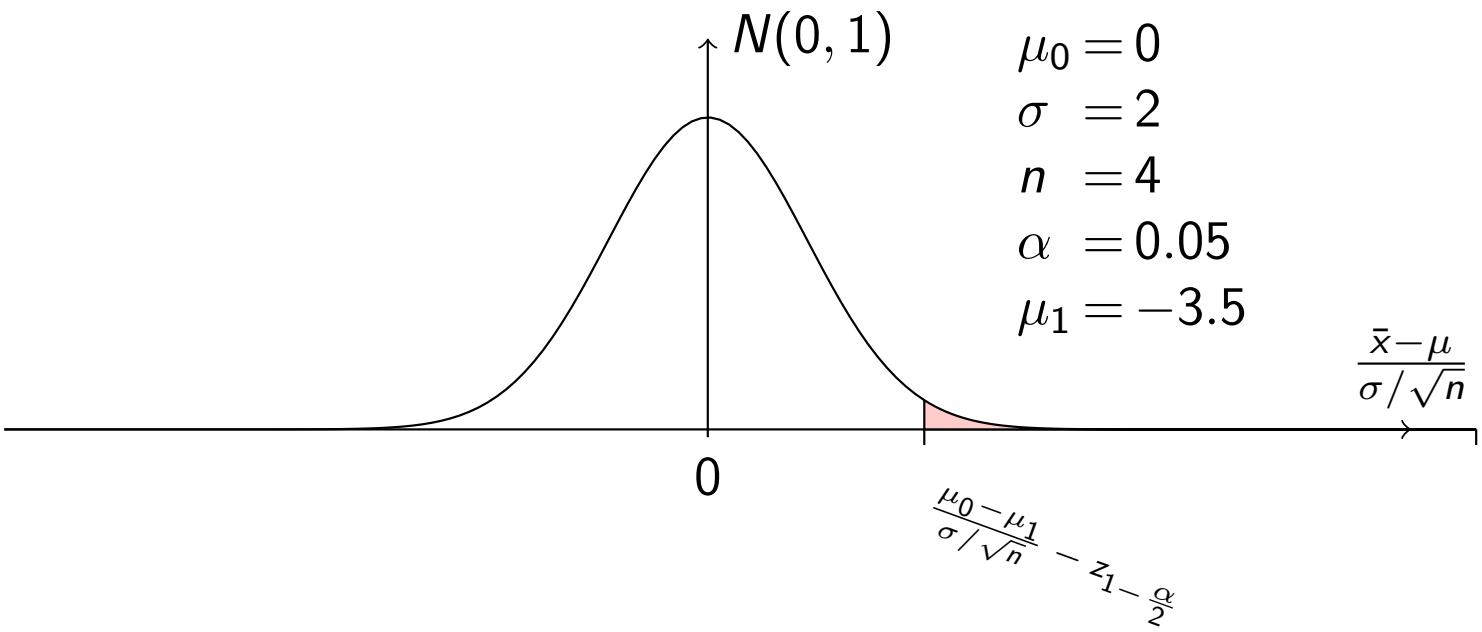
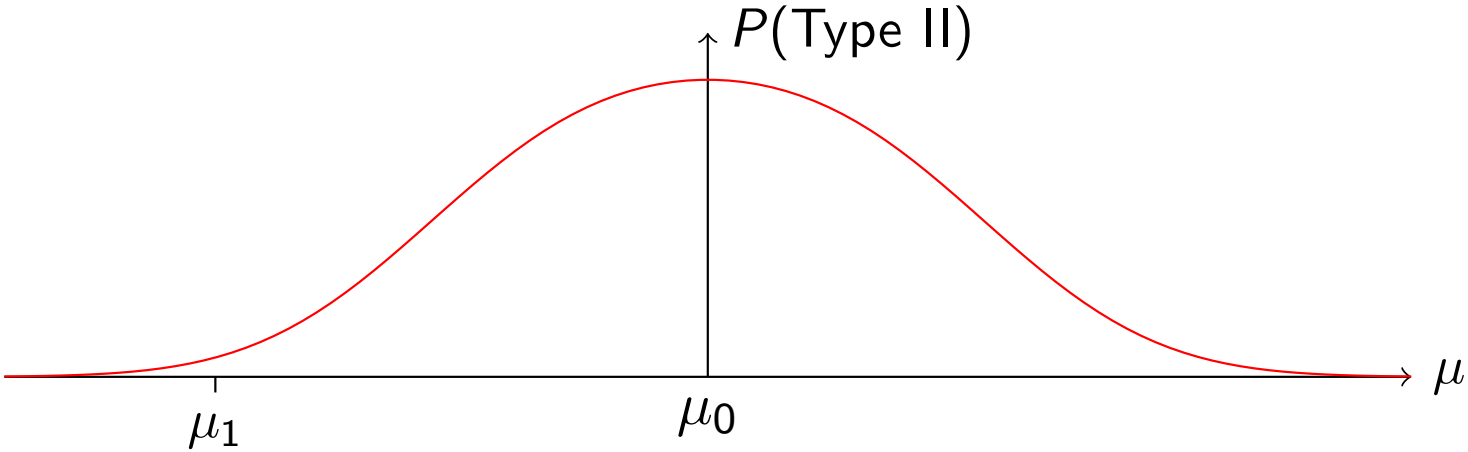
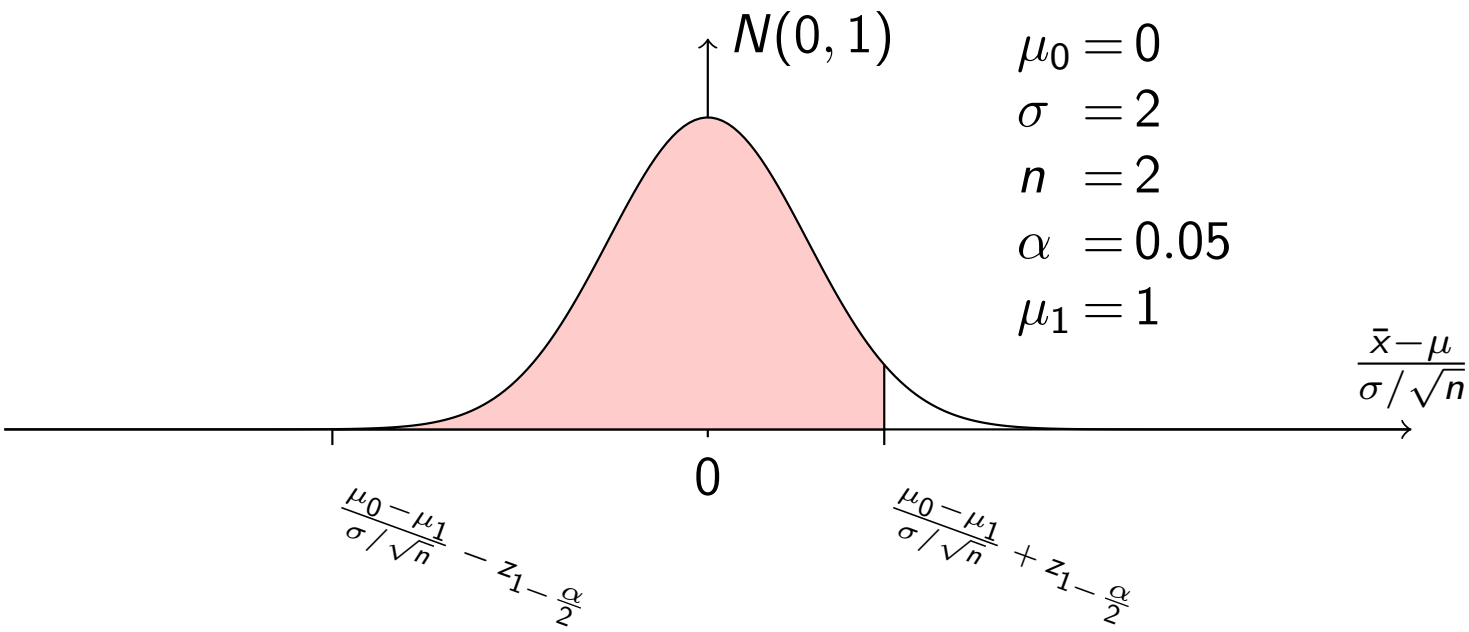
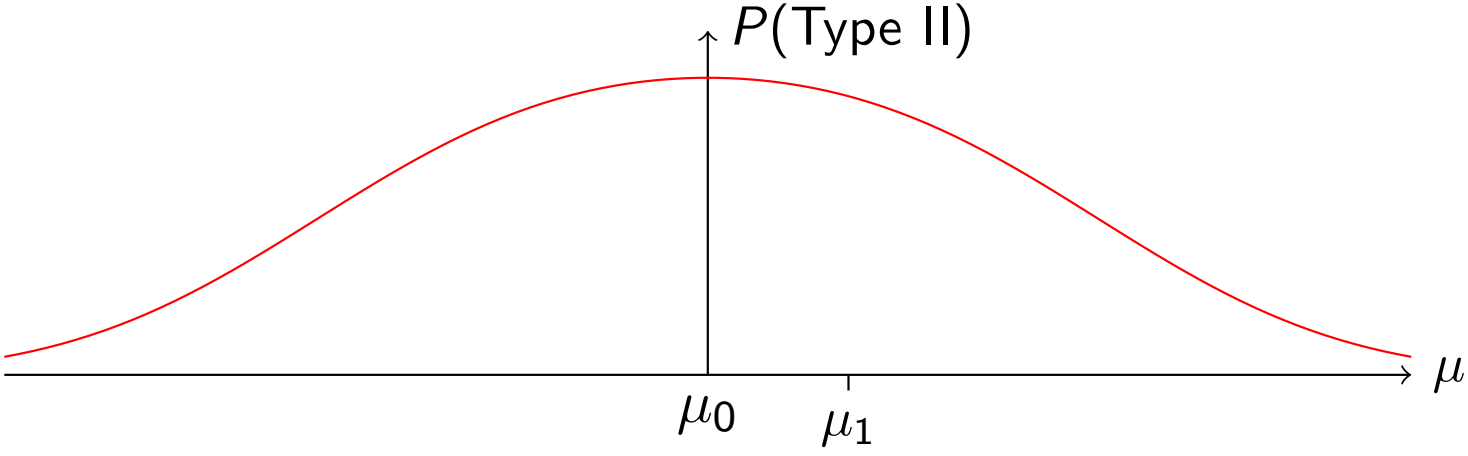
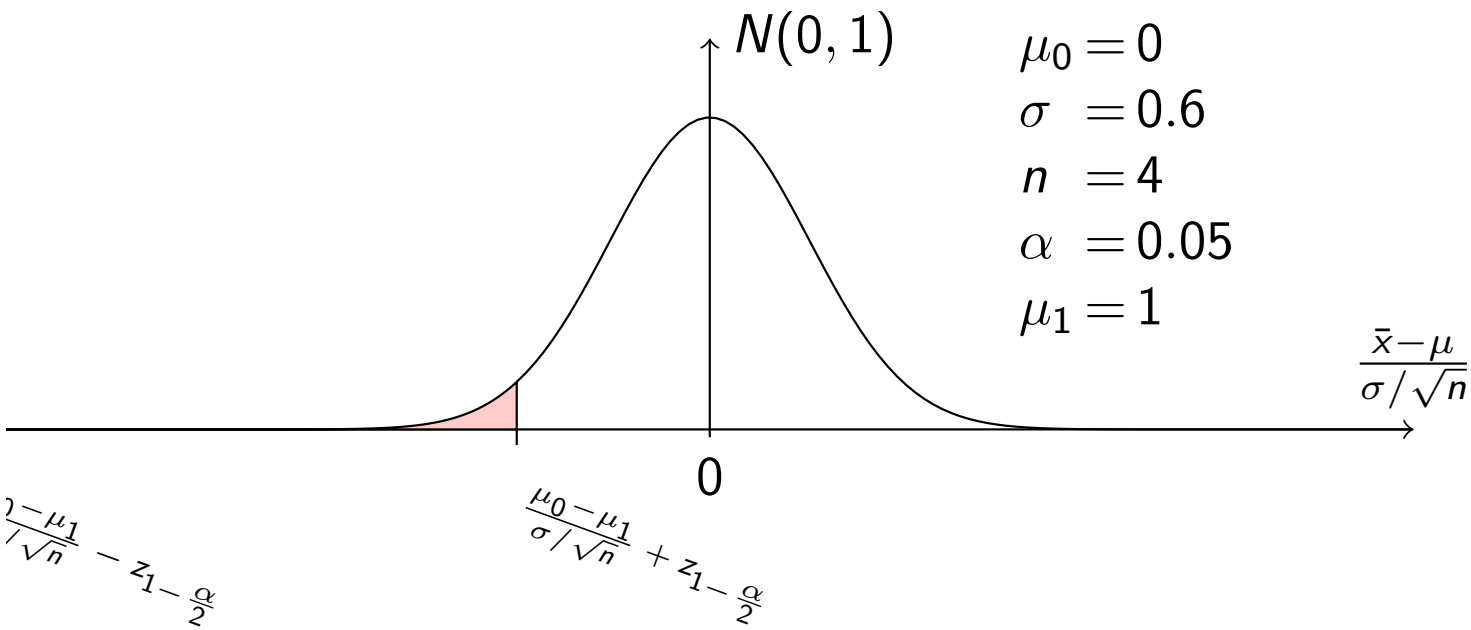
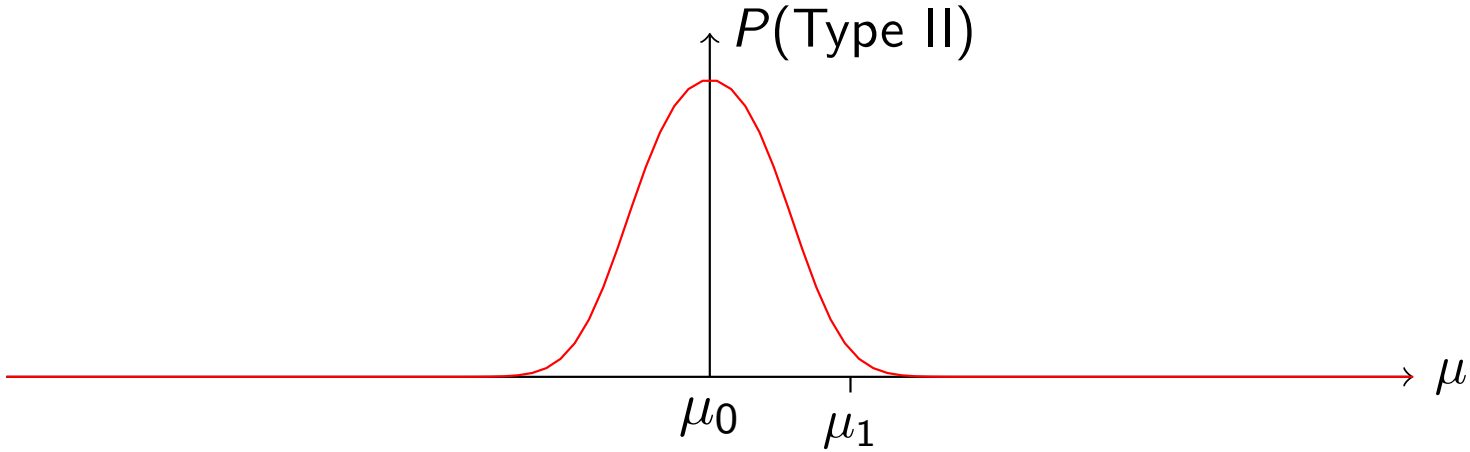

$N(0,1)$
$\mu_0 = 0$
$\sigma = 2$
$n = 4$
$\alpha = 0.05$
$\mu_1 = -3.5$
$\frac{\bar{x}-\mu}{\sigma/\sqrt{n}}$
0
$\frac{\mu_0-\mu_1}{\sigma/\sqrt{n}} - z_{1-\frac{\alpha}{2}}$

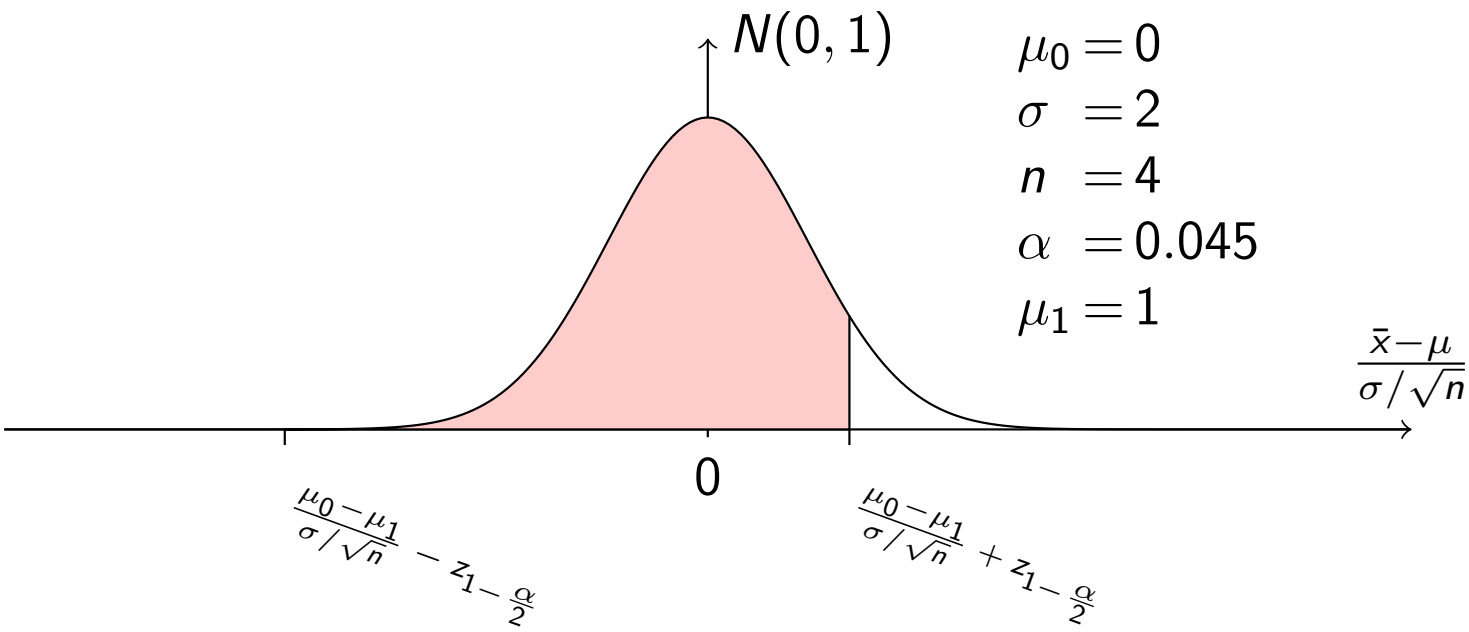

$P(\text{Type II})$
μ
μ_1
μ_0

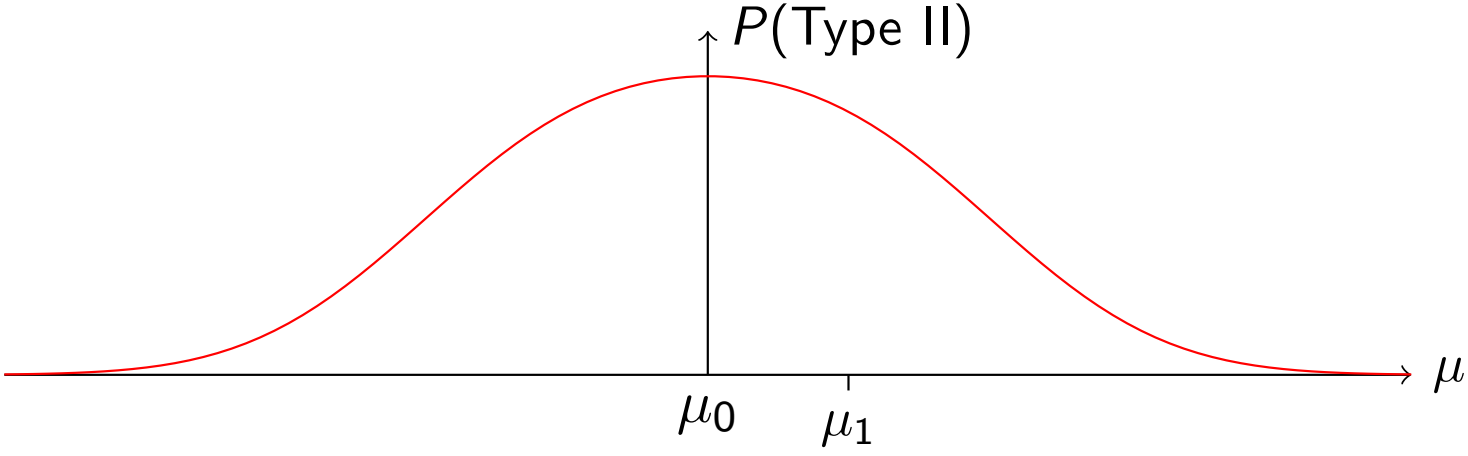

$N(0,1)$
$\mu_0 = 0$
$\sigma = 2$
$n = 2$
$\alpha = 0.05$
$\mu_1 = 1$
$\frac{\bar{x}-\mu}{\sigma/\sqrt{n}}$
0
$\frac{\mu_0-\mu_1}{\sigma/\sqrt{n}} - z_{1-\frac{\alpha}{2}}$
$\frac{\mu_0-\mu_1}{\sigma/\sqrt{n}} + z_{1-\frac{\alpha}{2}}$


$P(\text{Type II})$
μ
μ_0
μ_1


$N(0,1)$
$\mu_0 = 0$
$\sigma = 0.6$
$n = 4$
$\alpha = 0.05$
$\mu_1 = 1$
$\frac{\bar{x}-\mu}{\sigma/\sqrt{n}}$
0
$\frac{\mu_0-\mu_1}{\sigma/\sqrt{n}} + z_{1-\frac{\alpha}{2}}$


$P(\text{Type II})$
μ
μ_0
μ_1


$N(0,1)$
$\mu_0 = 0$
$\sigma = 2$
$n = 4$
$\alpha = 0.045$
$\mu_1 = 1$
$\frac{\bar{x}-\mu}{\sigma/\sqrt{n}}$
0
$\frac{\mu_0-\mu_1}{\sigma/\sqrt{n}} - z_{1-\frac{\alpha}{2}}$
$\frac{\mu_0-\mu_1}{\sigma/\sqrt{n}} + z_{1-\frac{\alpha}{2}}$


$P(\text{Type II})$
μ
μ_0
μ_1