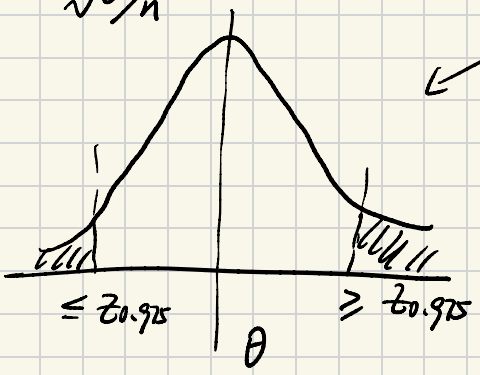
1. $\frac{\bar{X}-\mu_0}{\sqrt{\sigma^2/n}} \sim N(0,1)$ → $\frac{65.75-60}{\sqrt{5/4}}$



for $H_a: \mu \neq 60$ if $\mu > 60$