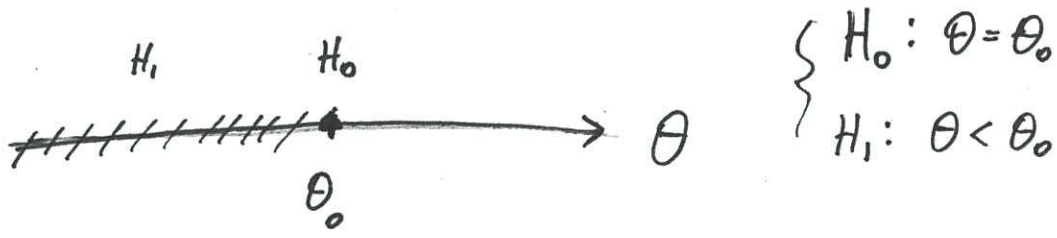
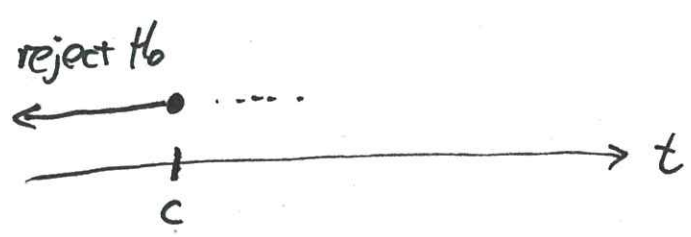


MODULE 6, REVISION OF CONCEPTS

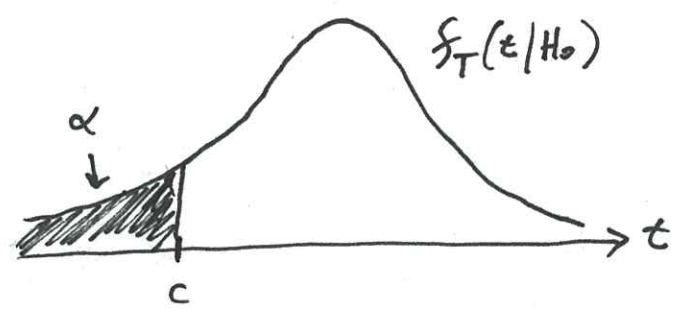


$$\begin{cases} H_0: \theta = \theta_0 \\ H_1: \theta < \theta_0 \end{cases}$$

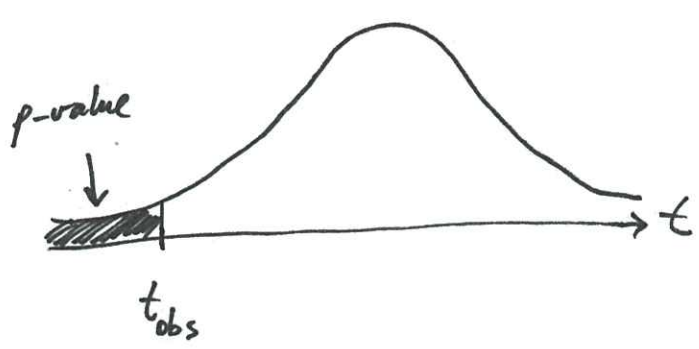
take $T = \hat{\theta}$



Reject H_0 if $T \leq c$

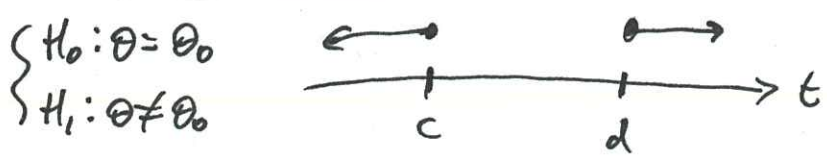


$$\alpha = \Pr(\text{reject } H_0 | H_0)$$



$$p\text{-value} = \Pr(T \leq t_{obs} | H_0)$$

$$t_{obs} \leq c \Leftrightarrow p\text{-value} \leq \alpha$$



$$\begin{cases} H_0: \theta = \theta_0 \\ H_1: \theta \neq \theta_0 \end{cases}$$

