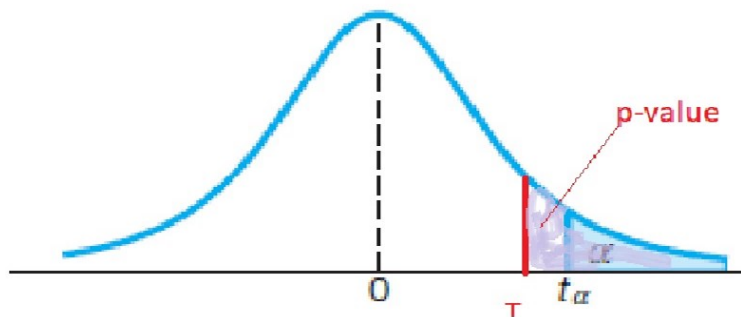


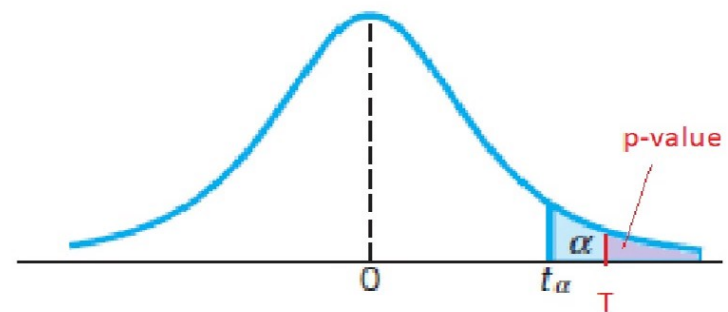
$$H_1: \theta > \theta_0$$

$$0.16 \leftarrow Z = z \rightarrow 0.24$$

$$P\text{-value} = P(Z > z)$$



p-value > alpha
Not reject



p-value < alpha
Reject

$$H_1: \theta > \theta_0$$

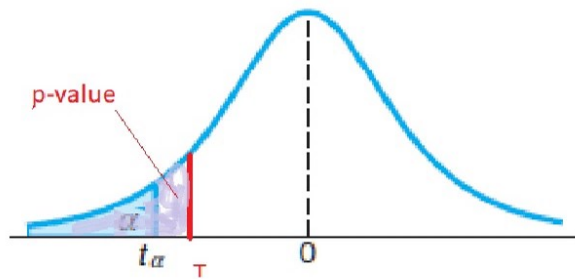
$$0.16 \leftarrow T = t \rightarrow 0.24$$

$$P\text{-value} = P(T > t)$$

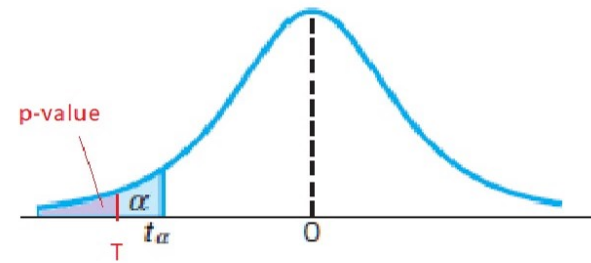
$$H_1: \theta < \theta_0$$

$$Z = z$$

$$P\text{-value} = P(Z < z)$$



p-value > alpha
Not reject



p-value < alpha
Reject

$$H_1: \theta < \theta_0$$

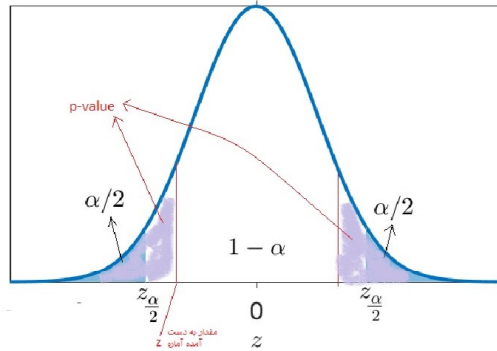
$$T = t$$

$$P\text{-value} = P(T < t)$$

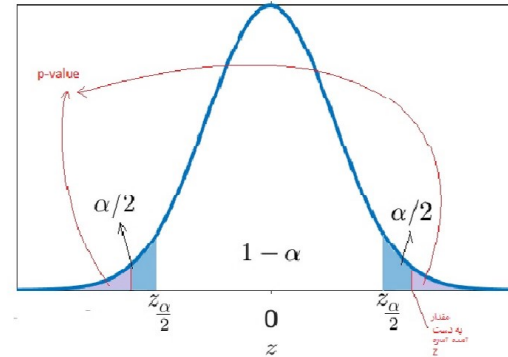
$$H_1: \theta \neq \theta_0$$

$$Z = z \xrightarrow{z > 0} \text{p-value} = P(Z > z)$$

$$\xrightarrow{z < 0} \text{p-value} = P(Z < z)$$



p-value > alpha
Not reject



p-value < alpha
Reject

$$H_1: \theta \neq \theta_0$$

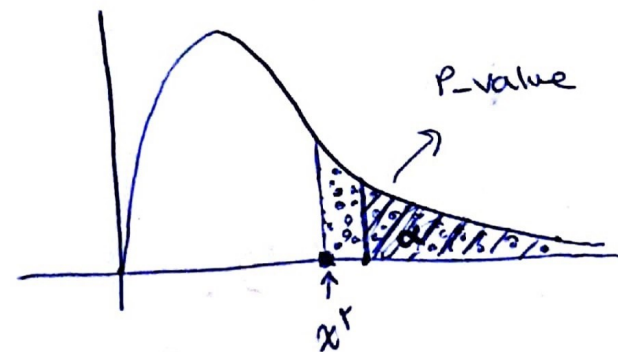
$$T = t \xrightarrow{t > 0} \text{p-value} = P(T > t)$$

$$\xrightarrow{t < 0} \text{p-value} = P(T < t)$$

$$H_1: \theta > \theta_0$$

$$\left(\frac{(n-1)s^2}{\sigma^2} \mid \tilde{\mu} \right) \xleftarrow{\alpha} \chi^2 = \chi^2 \xrightarrow{\alpha}$$

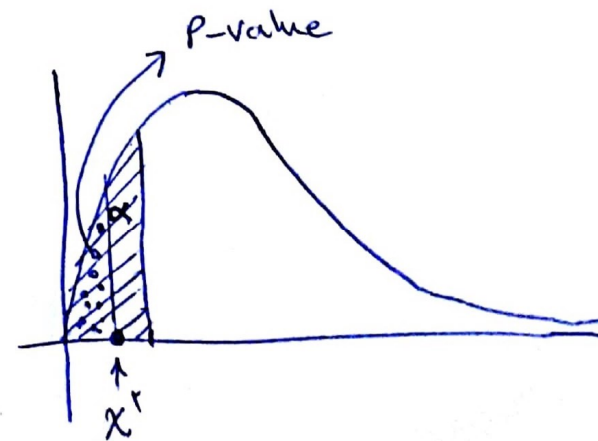
$$P\text{-value} = P(\chi^2 > \chi^2_r)$$



$$H_1: \theta < \theta_0$$

$$\chi^2_r = \chi^2_r$$

$$P\text{-value} = P(\chi^2 < \chi^2_r)$$



$P\text{-value} > \alpha \rightarrow \text{not reject}$

$P\text{-value} < \alpha \rightarrow \text{reject}$

$$H_1: \theta \neq \theta_0$$

$$X^r = x^r$$

$$\left. \begin{array}{l} P(X^r > x^r) = a \\ P(X^r < x^r) = b \end{array} \right\} \xrightarrow{\min} c \quad P\text{-value} = P_c$$

$P\text{-value} > \alpha \rightarrow \text{not reject}$

$P\text{-value} < \alpha \rightarrow \text{reject}$

