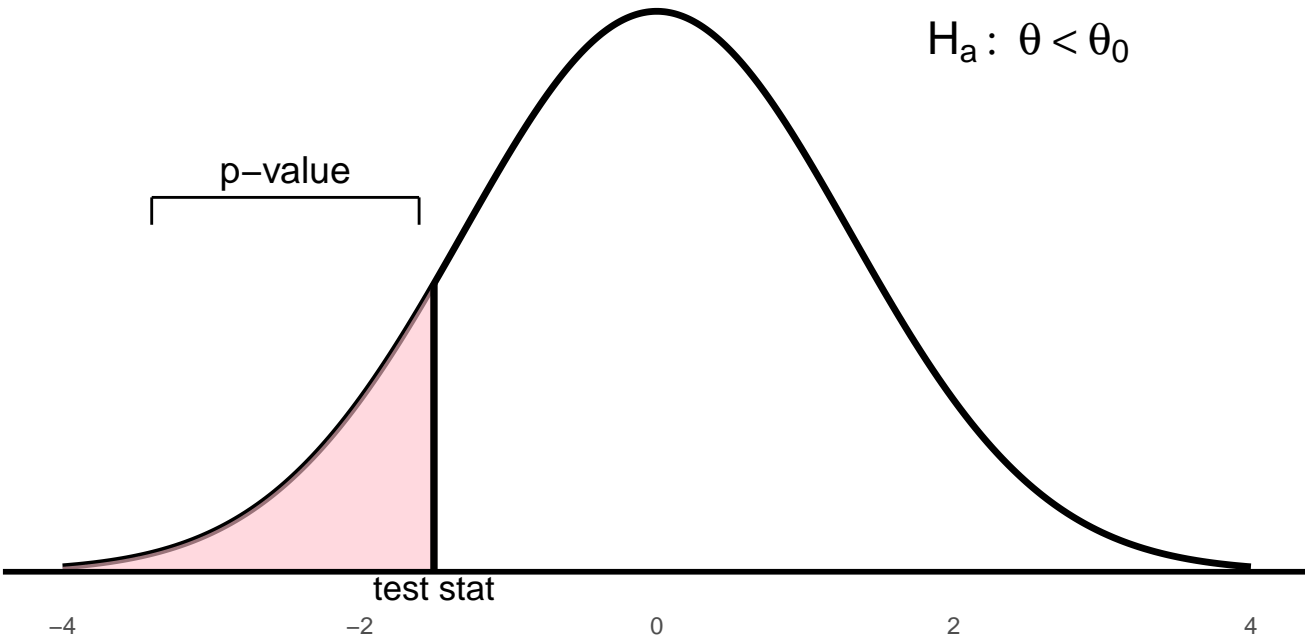


$$H_0: \theta = \theta_0$$

$$H_a: \theta < \theta_0$$

p-value



A normal distribution curve is shown with a horizontal axis labeled from -4 to 4. The area under the curve to the left of a vertical line at approximately -1.5 is shaded pink. A bracket above this shaded area is labeled 'p-value'. The vertical line is labeled 'test stat' at the bottom.

test stat

-4

-2

0

2

4