





These give you a test-statistic. The next step to get a p-value is to calculate a tail probability using:

Z-value, Left tail probability:
 $=\text{norm.dist}(z\text{-value};0;1;\text{true})$
 or

Z-value, Right tail probability:
 $=1-\text{norm.dist}(z\text{-value};0;1;\text{true})$

T-value, Left tail probability:
 $=\text{t.dist}(t\text{-value};\text{df};\text{true})$
 or

T-value, Right tail probability:
 $=1-\text{t.dist}(t\text{-value};\text{df};\text{true})$

If H_a is directed (one-sided test):
 Calculate left or right tail depending on direction of H_a

If H_a is undirected (two-sided test):
 Calculate smaller tail (that is left tail for negative z-value or t-value, or right tail for positive z-value or t-value) and then double it!