REJECTION REGION

ttest -> tinv

let n be the degree of freedom(length of sample - 1)

-left-tailed: (-inf, tinv(alpha, n))

-two-tailed: (-inf, tinv(1 - alpha/2, n)) U (tinv(alpha/2, n), inf)

-right-tailed: (tinv(1 - alpha, n), inf)

vartest -> chi2inv

let n be the degree of freedom(length of sample - 1)

-left-tailed: (-inf, chi2inv(alpha, n))

-two-tailed: (-inf, chi2inv(alpha/2, n)) U (chi2inv(1 - alpha/2, n), inf)

-right-tailed: (chi2inv(1 - alpha, n), inf)

ztest -> norminv

-left-tailed: (-inf, norminv(alpha, n))

-two-tailed: (-inf, norminv(alpha/2, n)) U (norminv(1 - alpha/2, n), inf)

-right-tailed: (norminv(1 - alpha, n), inf)

ttest2 -> tinv

let n be the degree of freedom(length of sample1 + length of sample2 - 2)

-left-tailed: (-inf, tinv(alpha, n))

-two-tailed: (-inf, tinv(alpha/2, n)) U (tinv(1 - alpha/2, n), inf)

-right-tailed: (tinv(1 - alpha, n), inf)

vartest2 -> finv

let n1, n2 be the degrees of freedom(length of sample1 - 1, length of sample2 - 1)

-left-tailed: (-inf, finv(alpha, n1, n2))

-two-tailed: (-inf, finv(alpha/2, n1, n2)) U (finv(1 - alpha/2, n1, n2), inf)

-right-tailed: (finv(1 - alpha, n1, n2), inf)