

Reference Materials

※ Reference 1. Word box

t-distribution	chi-squared distribution	statistic	observed value	parameter
population mean	sample variance	sample proportion	unbiasedness	efficiency
estimate	test statistic	significance level	t-test	pooled estimator
paired comparison	sample correlation coefficient	error	sum of squared errors	least squares estimator
least squares method	residual	mean squared error	regression coefficient	regression line

※ Reference 2. Distribution table (Let $Z \sim N(0, 1)$.)

$P(Z \leq 0.6745) = 0.75$	$P(Z \leq 1.0364) = 0.85$	$P(Z \leq 1.2816) = 0.9$	$P(Z \leq 1.5141) = 0.935$
$P(Z \leq 1.6449) = 0.95$	$P(Z \leq 1.8211) = 0.9657$	$P(Z \leq 1.96) = 0.975$	$P(Z \leq 1.985) = 0.9764$
$P(Z \leq 2.1144) = 0.9828$	$P(Z \leq 2.3263) = 0.99$	$P(Z \leq 2.4573) = 0.993$	$P(Z \leq 2.5758) = 0.995$
$P(Z \leq 2.6731) = 0.9962$	$P(Z \leq 2.8284) = 0.9977$	$P(Z \leq 3) = 0.9987$	$z_{0.1} = 1.2816$
$z_{0.05} = 1.6449$	$z_{0.025} = 1.96$	$z_{0.01} = 2.3263$	$z_{0.005} = 2.5758$
$t_{0.05}(8) = 1.8595$	$t_{0.025}(8) = 2.3060$	$t_{0.01}(8) = 2.8965$	$t_{0.05}(9) = 1.8331$
$t_{0.025}(9) = 2.2622$	$t_{0.01}(9) = 2.8214$	$t_{0.05}(10) = 1.8125$	$t_{0.025}(10) = 2.2281$
$t_{0.01}(10) = 2.7638$	$t_{0.05}(11) = 1.7959$	$t_{0.025}(11) = 2.2010$	$t_{0.01}(11) = 2.7181$
$t_{0.05}(12) = 1.7823$	$t_{0.025}(12) = 2.1788$	$t_{0.01}(12) = 2.6810$	
$P(T > 1.7770) = 0.0567, T \sim t(8)$		$P(T > 1.7770) = 0.0546, T \sim t(9)$	
$P(T > 1.7770) = 0.0530, T \sim t(10)$		$P(T > 1.7770) = 0.0516, T \sim t(11)$	