

**STATISTIC TESTS**  
(TI Calculators)

TEST	COMMENTARY
1: Z – Test	Compares a mean to a hypothesized mean ( <b><math>\sigma</math> known</b> )
2: T – Test	Compares a mean to a hypothesized mean ( <b><math>\sigma</math> unknown</b> )
3: 2 – Samp Z Test	Compares 2 means from 2 samples ( <b><math>\sigma</math> known</b> )
4: 2 – Samp T Test	Compares 2 means from 2 samples ( <b><math>\sigma</math> unknown</b> )
5: 1 – Prop Z Test	Compares a proportion (%) to a hypothesized proportion
6: 2 – Prop Z Test	Compares 2 proportions (%) from 2 samples
7: Z Interval	Calculates a CI for a population mean ( <b><math>\sigma</math> known</b> )
8: T Interval	Calculates a CI for a population mean ( <b><math>\sigma</math> unknown</b> )
9: 2 – Samp Z Int	Calculates a CI for the <i>difference</i> of 2 means ( <b><math>\sigma</math> known</b> )*
0: 2 – Samp T Int	Calculates a CI for the <i>difference</i> of 2 means ( <b><math>\sigma</math> unknown</b> )*
A: 1 – Prop Z Int	Calculates a CI for a population proportion (%)
B: 2 – Prop Z Int	Calculates a CI for the <i>difference</i> of 2 proportions (%)*
C: $X^2$ – Test	Calculates a Chi-Square statistic from a given matrix
D: 2 – Samp F Test	Compares standard deviations from 2 samples
E: Lin Reg T Test	Compares the slope of a LSRL to 0
F: ANOVA	Compares 3-6 means from 3-6 samples

TEST	COMMENTARY
1: Z – Test	Compares a mean to a hypothesized mean ( <b><math>\sigma</math> known</b> )
2: T – Test	Compares a mean to a hypothesized mean ( <b><math>\sigma</math> unknown</b> )
3: 2 – Samp Z Test	Compares 2 means from 2 samples ( <b><math>\sigma</math> known</b> )
4: 2 – Samp T Test	Compares 2 means from 2 samples ( <b><math>\sigma</math> unknown</b> )
5: 1 – Prop Z Test	Compares a proportion (%) to a hypothesized proportion
6: 2 – Prop Z Test	Compares 2 proportions (%) from 2 samples
7: Z Interval	Calculates a CI for a population mean ( <b><math>\sigma</math> known</b> )
8: T Interval	Calculates a CI for a population mean ( <b><math>\sigma</math> unknown</b> )
9: 2 – Samp Z Int	Calculates a CI for the <i>difference</i> of 2 means ( <b><math>\sigma</math> known</b> )*
0: 2 – Samp T Int	Calculates a CI for the <i>difference</i> of 2 means ( <b><math>\sigma</math> unknown</b> )*
A: 1 – Prop Z Int	Calculates a CI for a population proportion (%)
B: 2 – Prop Z Int	Calculates a CI for the <i>difference</i> of 2 proportions (%)*
C: $X^2$ – Test	Calculates a Chi-Square statistic from a given matrix
D: $X^2$ -GOF-Test	Calculates a Chi-Square statistic for some hypothesized distribution
E: 2 – Samp F Test	Compares standard deviations from 2 samples
F: Lin Reg T Test	Compares the slope of a LSRL to 0
G: Lin Reg T Int	Calculates a CI for the slope of a LSRL
H: ANOVA	Compares 3-6 means from 3-6 samples

\*Conclude with C% confidence that the difference is higher (or lower) between the 2 groups