

$$t = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\left(\frac{(N_1 - 1)s_1^2 + (N_2 - 1)s_2^2}{N_1 + N_2 - 2}\right)\left(\frac{1}{N_1} + \frac{1}{N_2}\right)}}$$

# Social Science Statistics

$$t = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\left(\frac{(N_1 - 1)s_1^2 + (N_2 - 1)s_2^2}{N_1 + N_2 - 2}\right)\left(\frac{1}{N_1} + \frac{1}{N_2}\right)}}$$

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## Chi-Square Calculator

Okay, we've set up a 2 x 5 contingency table, and we're almost ready to do the chi-square calculation. However, before you hit the "Calculate Chi^2" button, you need to select a significance level. It defaults to .05, but you can choose .01 or .10 if you prefer. You should also take a moment to check your data, and hit Reset if you need to start again.

Column and Row Totals						
	um	dois	tres	quatro	cincooumais	Row Totals
brasiliant	185	119	45	15	7	371
brasiliaext	160	184	128	85	83	640
Column Totals	345	303	173	100	90	1011 (Grand Total)

Significance Level:

- ☐ .01
- ☒ .05
- ☐ .10

Calculate Chi^2

Reset



### Alternative Chi-Square Calculators

- [Simple 2 x 2 table calculator](#)
- [Fisher exact test](#)
- [Goodness of fit calculator](#)

