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

Social Science Statistics

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

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Chi-Square Calculator

Success! The contingency table below provides the following information: the observed cell totals, (the expected cell totals) and [the chi-square statistic for each cell].

The chi-square statistic, p-value and statement of significance appear beneath the table. Blue means you're dealing with dependent variables; red, independent.

Results					
	um	dois	tres	quatrooumais		*Row Totals*
lajeadoint	55 (29.30) [22.55]	48 (33.51) [6.27]	15 (26.09) [4.71]	4 (33.11) [25.59]		122
lajeadoext	91 (116.70) [5.66]	119 (133.49) [1.57]	115 (103.91) [1.18]	161 (131.89) [6.42]		486
Column Totals	146	167	130	165		**608 (Grand Total)**

The chi-square statistic is 73.9619. The p-value is < 0.00001. The result is significant at p < .05.

Want to know how to report the result of your chi-square test (APA style)? (Opens in a new tab so you don't lose your result.)

How to Report a Chi-Square Result

Start Again

SHOULD YOU KILL THE FAT MAN?

Alternative Chi-Square Calculators

Simple 2 x 2 table calculator

Fisher exact test

Goodness of fit calculator