

# Introduction to Statistics and Probability

## Chi-Square Test :

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# Chi Square test for goodness of fit

The chi-squared test applied to contingency tables.

The Chi-squared test is the most commonly used test for frequency data and goodness-of-fit. In theory, it is nonparametric but because it has no parametric equivalent, it is not classified as such. It is not an exact test and with the current level of computing facilities, there is not much excuse not to use Fishers exact test for  $2 \times 2$  contingency table analysis instead of Chi-squared test.