

How the Chi-Squared Test of Independence Works

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A chi-square test of independence determines whether a relationship exists between two discrete (categorical) variables. Do the frequencies of one discrete variable depend on the frequencies of the other discrete variable?

If the two discrete variables are dependent, then the frequencies of one variable will depend upon the frequencies of the other variable.

If the two variables are independent, then the frequencies of one variable will not depend on the frequencies of the other variable.