

Compare groups for significant difference

Data in categories (nominal, ordinal)

What kind of data do you want to compare?

Scale numeric data divided into groups

How many groups or variables do you want to compare?

One group or variable compared to a known value

Two groups or variables

Three or more groups

Working with crosstabs:
- Analyze
- Descriptive Statistics
- Crosstabs
- e.g. Chi Square tests

One-Sample T Test
- Analyze
- Compare Means
- One-Sample T Test

Paired Sample T Test
- Analyze
- Compare Means
- Paired Sample T Test

Wilcoxon Signed Rank Test
- Analyze
- Nonparametric Tests
- 2 Related Samples

Independent-Samples T Test
- Analyze
- Compare Means
- Independent-Samples T Test

Mann-Whitney
- Analyze
- Nonparametric Test
- 2 Independent Samples

One-Way ANOVA
- Analyze
- Compare Means
- One-Way ANOVA

Nonparametric test for Several Independent Samples
- Analyze
- Nonparametric Tests
- K Independent Samples
- Kruskal-Wallis

Univariate Analysis of Variance
- Analyze
- General Linear Model
- Univariate

Related groups

Normal distribution

No normal distribution

Unrelated groups

Normal distribution

No normal distribution

One grouping factor

Normal distribution

No normal distribution

Two or more grouping factors