JMP Learning Library

- Using JMP
- Graphical Displays and Summaries
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- Basic Inference - Proportions and Means
- Correlation and Regression

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- Mixed Models and Repeated Measures
- Data Mining and Predictive Modeling
- Quality and Process

- Reliability and Survivability
- Designed Experiments
- Using SAS from JMP

Basic Inference - Proportions and Means

Hypothesis Test and CI for Proportions

Hypothesis testing and confidence intervals for proportions.

JMP FEATURES DEMONSTRATED:
Analyze > Distribution

- Video
- One-page guide (PDF)
- Tutorial

Chi-Square Test for a Two-Way Table

Using Fit Y by X for Chi-Square test of homogeneity and independence.

JMP FEATURES DEMONSTRATED:
Analyze > Fit Y by X

> Video
> One-page guide (PDF)
> Tutorial

Sample Size and Power for Testing Proportions

Calculate sample size and power for tests involving one or two sample proportions.

JMP FEATURES DEMONSTRATED:
DOE > Sample Size and Power

> Video
> One-page guide (PDF)

One Sample t-test and CI

One sample t-Test and confidence interval for the mean.

JMP FEATURES DEMONSTRATED:
Analyze > Distribution

> Video
> One-page guide (PDF)
> Tutorial

Two Sample t-Test and CIs

Two sample t-Test and confidence intervals for two independent means.

JMP FEATURES DEMONSTRATED:
Analyze > Fit Y by X

> Video
> One-page guide (PDF)
> Tutorial

Paired t-Test and CI

Paired t-Test and confidence interval for the difference between paired means.

JMP FEATURES DEMONSTRATED:
Analyze > Matched Pairs

> Video
> One-page guide (PDF)
> Tutorial

One Way ANOVA

Confidence intervals for means, one way ANOVA, and multiple comparison procedures.

JMP FEATURES DEMONSTRATED:
Analyze > Fit Y by X

> Video
> One-page guide (PDF)
> One Way ANOVA overview

Two-Way (Factorial) ANOVA

Two-Way (Factorial) ANOVA for testing the effects of two categorical variables (factors) and their interaction on one continuous (response) variable.

JMP FEATURES DEMONSTRATED:
Analyze > Fit Model

> Video
> One-page guide (PDF)

Nonparametric Tests

This page describes how to perform single and two-group nonparametric tests in JMP.

JMP FEATURES DEMONSTRATED:
Distribution, Fit Y by X

> Video
> One-page guide (PDF)

Sample Size and Power for Testing Means

Calculate sample size and power for tests involving means.

JMP FEATURES DEMONSTRATED:
DOE > Sample Size and Power

> Video

> One-page guide (PDF)

Bootstrapping in JMP Pro

Re-sampling for estimating the sampling distribution of a statistic

JMP FEATURES DEMONSTRATED:
Bootstrapping, bootstrap confidence limits

> Video

> One-page guide (PDF)

Randomization Testing in JMP Pro

This page provides information on randomization testing (also known as permutation testing), which is a resampling approach to significance testing.

JMP FEATURES DEMONSTRATED:
Resampling without replacement, simulation

> One-page guide (PDF)