JMP_® Learning Resources

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Procurement, Upgrades, License Renewals...

Sam Tobin

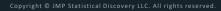
JMP Senior Account Representative sam.tobin@jmp.com
919-531-0640

Technical Questions, Getting Started, Tutorials, Mentoring...

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JMP Principal Systems Engineer tom.donnelly@jmp.com 302-489-9291





Try JMP

Buy JMP



> Getting Started with JMP

Explore resources designed to help you quickly learn the basics of JMP right from your desk.



Mastering JMP

A webinar series for JMP users of all experience levels who want to build their analytic skills.



> New User Welcome Kit

You just got JMP. Now get ready to explore your data by following our learning road map.



> Statistical Thinking Course

Learn practical skills in this free online statistics course encompassing short videos, demonstrations, exercises and more.



> JMP Education

We offer training courses at all levels to help build your knowledge and skill set.

OTHER RESOURCES

> Books with JMP

> JMP Blogs

> Case Study Library

- > Learning Library
- > On-Demand Webinars for JMP Users
- Statistics Knowledge Portal



Learn the basics of JMP®

With short videos & step-by-step guides

We have created a series of introductory videos with guides to help get you started with the basic functions of JMP. This series will guide you through some of the most commonly used steps in the data analysis process. Since this introduction is designed to accompany the free trial of JMP, we recommend watching the videos and trying the steps yourself in JMP.



Nine 2 to 5-minute videos plus a PDF step-by-step guide



Import Data

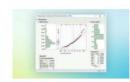
Learn how to import Excel data, modify column properties and save your data.



- Watch video 3:32
- > Step-by-step guide (PDF)

Explore Distributions

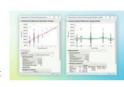
Become familiar with the red triangle menu, see how graphs and data tables are linked, and discover how to select points to hide/exclude.



- Watch video 3:23
- Step-by-step guide (PDF)

Explore Relationships

Once you learn how to build better models, use the JMP Profiler to compare and contrast them.



- Watch video 2:55
- Step-by-step guide

Build a Dashboard

Get the full picture by using the complete workflow to build dashboards quickly and easily.



- Watch video 1:58
- > Step-by-step guide (PDF)

Publish Results

Publish analyses and visualizations to JMP Public, public, imp.com.



- Watch video 3:04
- > Step-by-step guide (PDF)

Visualize and Summarize Data

Build and customize interactive graphs and tables.



- Watch video 4:00
- > Step-by-step guide (PDF)

Data Cleanup

Complete basic data preparation using Recode and Formula Columns.



- Watch video 4:54
- > Step-by-step guide (PDF)

Save and Automate Your Work

Learn how to save scripts to a data table, and how to export to Excel or Powerpoint.



- Watch video 1:41
- > Step-by-step guide (PDF)

Share Interactive Results

By putting your reports in a browser, you can share your results with anyone, even if they don't have JMP.



Watch video 1:49

Step-by-step guide (PDF)

https://www.jmp.com/en_us/jmp-trial/learn-the-basics-of-jmp.html

JMP Learning Library

Tools to get you started learning JMP

92 one-page-guides each with an accompanying short video

Topics ^

Download All Guides

All Topics

JMP Basics

Graphical Displays and Summaries

Probabilities and Distributions

Basic Inference - Proportions and Means

Correlation and Regression

Time Series

Multivariate Methods

Mixed Models and Repeated Measures

Data Mining and Predictive Modeling

Quality and Process

Reliability and Survivability

Using SAS from JMP

quick overviews, videos, and step-by-step tutorials.

> JMP Tools

ummaries

- > JMP Tables Menu
- > Saving JMP Results
- Saving Publication Quality Graphics with JMP
- > Sharing Results on JMP Public

- > Creating Formulas in JMP
- Excel Add In I (Passing Data to JMP)
- Excel Add In II (Profiling Excel Models in JMP)
- > Add-In Builder
- > JMP Teaching Tools

https://www.jmp.com/en_us/learning-library.html

Recent Uploads

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www.youtube.com







Format Values in Prediction **Profilers** IMP STATISTICAL DISCOVER 1:17



Success Story: Milking the data for all its worth at ...

JMP Software 617 views • 1 month ago **Teaching Text Mining** Without Writing Code

JMP Software 387 views • 1 month ago Making Hypothesis Testing More Intuitive for Our...

JMP Software 258 views • 1 month ago Format Values in Prediction **Profilers**

JMP Software 163 views • 1 month ago Projects in JMP 16

JMP Software 836 views • 6 months ago

JMP 16













Term Selection Sentiment

Analysis | JMP 16

Term Selection &

Sentiment Analysis

IMP Software 1.1K views • 9 months ago Model Screening | JMP 16

JMP Software

1.2K views • 9 months ago

Action Recorder | JMP 16

JMP Software

1.1K views • 9 months ago

CC

1:48

Control Chart Warning | JMP 16

JMP Software

1.9K views • 9 months ago

imp 16 COMPARE DATA **TABLES**



1:33

JMD STATISTICAL DISCOVERY FROM SAS

Compare Data Tables in JMP 16

JMP Software

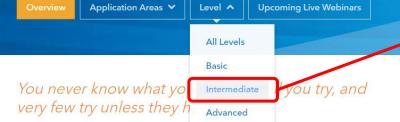
840 views • 8 months ago

CC



Mastering JMP®

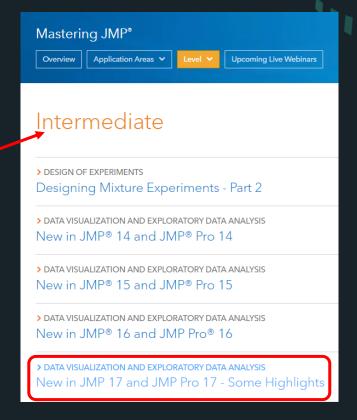
WEBINARS THAT EXPAND YOUR ANALYTIC SKILLS



Mastering JMP is for JMP or JMP Pro users with specific business, research or academic analytic challenges who want to learn how to tackle them using their JMP software.

Our Systems Engineers present complimentary, live webinar demos using case studies similar to those you may encounter.

The format for 2022 is a concise 30-minute demo followed by 15 minutes of Topic Discussion and Q&A.





Welcome to the Statistics **Knowledge Portal**

Why SKP?

There are many sources of information across the Internet for those seeking to learn about statistical concepts. Our goal in creating the Statistics Knowledge Portal, or SKP (affectionately pronounced "skip"), was to uniquely combine concise explanations with illuminating examples and graphics to help visitors establish a firm foundation upon which to build statistical skills. Our hope is that SKP will contribute to the growing appreciation of the value of statistical methods and will inspire learners to journey farther.

Why Statistics?

Statistics is more than just math, and it's more than just a collection of methods to analyze data; statistics provides a way to think about the world in a principled fashion, to interpret the outcomes of events unfolding before us, to see the structure of things amidst the prevailing noise and randomness of our reality. If you work with data right now, or want to start a career where you will, there is https://www.jmp.com/en_us/statistics nothing more valuable than a solid foundation in statistical methods.

Welcome

Correlation

Simple Linear Regression

Multiple Linear Regression

One-Way ANOVA

The t-Test

The Chi-Square Test

Exploratory Data Analysis

-knowledge-portal.htm

Statistical Thinking for Industrial Problem Solving (STIPS)

A free online statistics course

In virtually every field, deriving insights from data is central to problem solving, innovation and growth. But without an understanding of which approaches to use, and how to interpret and communicate results, the best opportunities will remain undiscovered.

That's why we created Statistical Thinking for Industrial Problem Solving (STIPS). This online statistics course is available - for free - to anyone interested in building practical skills in using data to solve problems better.



Have two minutes? Learn more.

Enroll now

Statistical Thinking for Industrial Problem Solving (STIPS)



> Statistical Thinking and Problem Solving

Statistical thinking is about understanding, controlling and reducing process variation. Learn about process maps, problem-solving tools for defining and scoping your project, and understanding the data you need to solve your problem.



> Exploratory Data Analysis

Learn the basics of how to describe data with graphics and statistical summaries. Then, learn how to use interactive visualizations to communicate the story in your data. You'll also learn some core steps in preparing your data for analysis.



Quality Methods

Learn about tools for quantifying, controlling and reducing variation in your product, service or process. Topics include control charts, process capability and measurement systems analysis.

The instructional method is excellent...The lessons are short and tight. They have just the right amount of complex information broken down into manageable chunks.



Decision Making With Data

Learn about tools used for drawing inferences from data. In this module you learn about statistical intervals and hypothesis tests. You also learn how to calculate sample size and see the relationship between sample size and power.



> Correlation and Regression

Learn how to use scatterplots and correlation to study the linear association between pairs of variables. Then, learn how to fit, evaluate and interpret linear and logistic regression models.



> Design of Experiments

In this introduction to statistically designed experiments (DOE), you learn the language of DOE, and see how to design, conduct and analyze an experiment in JMP.



Predictive Modeling and Text Mining

Learn how to identify possible relationships, build predictive models and derive value from free-form text.

TMP STATISTICA

https://www.jmp.com/en_us/statistical-thinking.html

JMP® On Air

Grow your data analysis skills from your desk

JMP On Air is our live-streaming video series featuring fun, fast-paced, educational content.

Thank you for joining us for Season One of JMP On Air.

View Past Episodes in the Community



11:40 p.m. Brady Brady ASK THE DATA DOCTOR Global Technical Thinking Like a Data Doctor Yourself Enablement The Data Doctor walks us through the steps he takes to diagnose Manager, JMP and cure data problems to help us learn to think like Data Doctors ourselves. Mike Anderson 12:05 p.m. FEATURED PROGRAM Systems The Last Things I Wish Someone Had Told Me When I Engineer, JMP Started Using JMP In this final installment. Mike reveals the secrets of JMP Masters.

Time (ET) 11:00 a.m. 11:10 a.m. 11:35 a.m. Get acquainted with JMP On Air in 30 seconds. 12:10 p.m.

JMP On Air | JMP

Program

WELCOME

The Monologue

FEATURED PROGRAM

Meet the Author: Rob Carver

Anne speaks with Rob Carver about his new book discussing the challenges of data wrangling.

Presenter

Julian Parris Host, JMP On Air

Rob Carver

Professor at

Brandeis University

Phil Kay

Sr. Systems

Engineer, JMP

Ryan DeWitt

Specialist, JMP

Tom Donnelly

Engineer, JMP

Principal Systems

Sr. Digital

Marketing

Author & Retired

Stonehill College.

WHY DOF?

Parsimony and Accelerating Innovation

In this final installment of Why DOE?, Phil shows us how we can understand which of all the possible effects are important for us to include in our model, and how to accelerate our time to

innovation

++

HAVE YOU TRIED?

JMP Projects

JMP projects provide a single document interface to JMP, a tabbed, re-configurable workspace, a place to bookmark files and a window list that lets you easily navigate various open windows, data tables, scripts and more. A project can also be

used to launch supporting files like .pdfs and .ppt documents.

12:15 p.m. DR. DOE

How Do I Repair a Broken Experimental Design?

You've just started using DOE and are following the advice to be as bold as you can with factor ranges. But you have made your ranges so wide that certain factor combinations cause the process to "break." You are unable to measure a useful response value for some trials, and now your model won't run! Dr. DOE will

show you how to repair your design using the Augment Design

++

option in the DOE platform.

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community.jmp.com

JMP in Action

Events Learn JMP Community

Support

About Us

Community v

File Exchange >

JSL Cookbook

JMP Wish List

JMP Blogs



JMP User Community

A resource for JMP software users. Start or join a conversation to solve a problem or share tips and tricks with other JMP users. Read blog posts, and download and share JMP add-ins, scripts and sample data.



Sign In With Your SAS Profile

Create a SAS Profile and Join the Community

All community

34.919

382.525 Discussions

1.836 File Exchange Items



Discussions

Solve problems and share tips & tricks with other JMP users



File Exchange

Download and share JMP add-ins, scripts, and sample data.



JMP Blogs

Read about a broad range of data analysis topics and posts that inform your JMP use.



Learn JMP

Extend your JMP skills with on-demand videos and JMP files.



JMP Wish List

We want to hear your ideas for improving JMP. Share them here.



JSL Cookbook

Building blocks of JSL code to reduce your coding workload.



JMP Users Groups

Meet up and discuss with other JMP users near you.



Discovery Summit

Info on upcoming Summits and materials from past events.



Community Help

Help with getting started, finding things, and how the Community works.



LATEST POSTS



The one place to access all JMP learning materials

How to use the Learn JMP area

- · Filter within sections using labels. Or, search the entire Learn JMP area using the search bar and selecting This category.
- Stay current by subscribing to particular sections or labels—for instance, you can be notified when a new visualization resource is posted by selecting Visualization and then Subscribe to this label.

Sign up for Live Webinars

Visit Mastering JMP and view the Upcoming Complimentary Live Webinars.

Additional JMP Learning Resources

- · JMP User Guide and Documentation
- Statistical Thinking for Industrial Problem Solving course. Free online course.
- · JMP Newswire. Monthly newsletter.
- JMP User Groups. Gathering to share and learn with peers.
- Resources for Users. Ensuring you get the most from JMP.
- JMP Menu Descriptions (Windows | MacOS)
- JMP Keyboard Shortcuts
- JMP Books



Getting Started

Start here to learn the basic operation of JMP. Includes the New User Welcome Kit, Design of Experiments Introduction Kit, and Resources for Users.

POSTS

2 weeks ago



Short Videos

Short videos and guides to help you learn JMP. Includes STIPS (Statistical Thinking for Industrial Problem Solving) modules.

232 4 weeks ago POSTS



Mastering JMP

Videos of live Mastering JMP demos to help JMP users learn to use JMP to solve problems. Includes Q&A plus Journals and files to try techniques show in videos.

202 Thursday

POSTS



Learning Paths

Curated learning paths to help you expand your knowledge of analytical topics, whether you're an advanced user, or just starting out.

09-13-2021 POSTS

10:54 AM



Activities

Keep your skills sharp with these hands-on data challenges and activities.

10

15

05-11-2021

11:05 AM POSTS



www.jmp.com/welcome





LAST NAME *

community of JMP users in the world.

Help > New Features



Version 17

New Features in JMP 17

"The real voyage of discovery consists not in seeking new landscapes, but in having new eyes." Marcel Proust

JMP Statistical Discovery LLC SAS Campus Drive Cary, North Carolina 27513-2414

17.0

Highlights in JMP 17 Graphing New Features

Graphing

This section describes new features and enhancements in the graphing platforms. For details, see the Essential Graphing book.

Graph Builder

- To assist with color blindness, protanomaly, deuteranomaly, and tritanomaly color theme filters are now available.
- · The sampling feature enables you to choose a proportion, rather than an integer value.
- You can relabel levels, combine levels into groups, and reorder levels on the axis without having to edit the column properties.
- Mode statistic is now an option in the Summary Statistic report. This option affects
 coloring by the dominant level. To access this option, go to Graph > Graph Builder >
 Points. Choose Mode from the Summary Statistic list.
- Support is added for multiple response data. Multiple response columns can be used in each of the Graph Builder zones.
- · You can use the hash pattern style indicator for bar charts.
- In bar charts, you can show one-sided confidence intervals. To access this option, right-click on a bar chart > Customize > Error Bar. Choose the Upper or Lower option from the Interval Sides list.
- If a continuous variable is used as the overlay variable, you can customize the bin values for the gradient. To access this option, right-click on the gradient in the legend > Gradient. Choose Custom in the Scale Type list and then change the level values.
- There are new ways to associate summary text in graphs and axes. For example, you can
 now display associated summary tabular data along the axes in Graph Builder. You can
 also change the position of the caption box. To access this option, change the X and Y
 position in the Caption Box options. You can customize the location of text in a caption or
 text box by right-clicking in the box > Customize > Text.
- · JSL references to Graph Builder are now updated when starting over.
- You can now show the coefficient of variation (CV) statistic by selecting it in the Summary Statistic list.
- You can change the default color of histogram bars or outlines. To access this option, select File > Preferences > Styles. Choose a color for the Histogram Fill Color and Histogram Line Color.
- · The Constrain Parameters option is now available for Exponential Smoothing (ETS) fits.



Books and JMP

New Users

Intermediate and Advanced Users



> JMP Documentation

by SAS Institute



> Business Statistics, 3rd Edition by Norean Sharpe, Dick De Veaux and Paul Velleman



> Business Statistics: A First Course, 3rd Edition by Norean Sharpe, Dick De Veaux and

Paul Velleman



> Data Management and Analysis Using JMP®: Health Care Case Studies by Jane E. Oppenlander and Patricia

Schaffer



> Design of Experiments: A Modern Approach

by Bradley Jones and Douglas C. Montgomery

Featured Books

> JMP for Mixed

Models by Ruth Hummel,

Flizabeth A. Claassen, and Russell D. Wolfinger



> Improving Health Care Quality: Case Studies with JMP

by Mary Ann Shifflet, Cecilia Martinez. Jane Oppenlander, and Shirley Shmerling



> JMP® Essentials: An Illustrated Guide for New Users, Third Edition

by Curt Hinrichs, Chuck Boiler, and Susan Walsh

> See the full catalog of JMP books at SAS Publishing.



> Data Mining for Business Analytics: Concepts, Applications and Techniques with JMP Pro by Galit Shmueli, Peter Bruce, Mia

Stephens, and Nitin Patel

Companion Page (2)



> Design and Analysis of **Experiments by Douglas** Montgomery: A Supplement for Using JMP

by Heath Rushing, James Wisnowski, and Andrew Karl



> Design and Analysis of Experiments, 8th Edition by Douglas C. Montgomery



> Strategies for Formulations Development: A Step-by-Step Guide Using JMP by Ronald Snee and Roger Hoerl



> Fundamentals of Predictive Analytics with JMP, Second Edition by Ron Klimberg and Bruce McCullough www.jmp.com/books



> Activity Based Intelligence by Patrick Biltgen and Stephen Ryan



Designed Experiments by George A. Milliken and Dallas E.

> Analysis of Messy Data Volume 1:

Johnson 2009 (CRC Press)



> Applied Linear Regression Models by Christopher J. Nachtsheim and John Neter



> Applied Reliability, 3rd Edition by Paul A. Tobias and David Trindade 2011 (CRC Press)

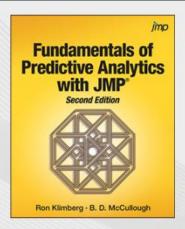


> Biostatistics Using JMP®: A Practical Guide

by Trevor Bihl



www.jmp.com/books



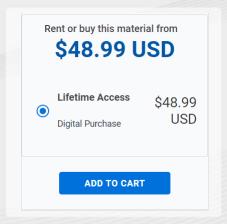
Fundamentals of Predictive Analytics with JMP®, Second Edition

Ron Klimberg B. D. McCullough

In Stock

Publisher: SAS Institute

Copyright Date: December 2016



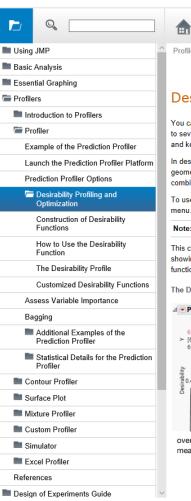


Help > JMP Help

? Tool

F1





Profilers > Profiler > Desirability Profiling and Optimization



Desirability Profiling and Optimization

You can define a desirability function for a single response variable or for several response variables. When you are optimizing relative to several responses, there can often be competing criteria. For example, you might want to maximize one response, minimize another, and keep a third response close to some target value.

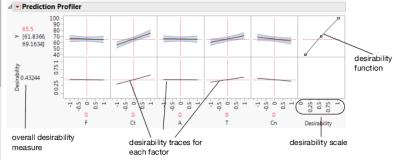
In desirability profiling, you specify a desirability function for each response. The overall desirability for all responses is defined as the geometric mean of the desirability functions for the individual responses. See Derringer and Suich (1980) for information about combining responses.

To use desirability profiling, select Optimization and Desirability > Desirability Functions from the Prediction Profiler red triangle menu.

Note: If the response column has a Response Limits property, desirability functions are turned on by default.

This command appends a new row to the bottom of the plot matrix, dedicated to graphing desirability. The row has a plot for each factor showing its desirability trace, as illustrated in The Desirability Prediction Profiler. It also adds a column that has an adjustable desirability function for each Y variable. The overall desirability measure shows on a scale of zero to one at the left of the row of desirability traces.

The Desirability Prediction Profiler



JMP[®] Education Jump Start Your JMP Skills

www.jmp.com/training

You've invested in the most comprehensive, interactive and visual statistical discovery package out there. It's time to tap into its full potential.

Overview

Course Catalog

YOUR EDUCATION OPTIONS:

Take an on-demand course.

- We have a fantastic (free!) foundational online on-demand course that you
 can take at any time. No need to have a JMP license you get access to JMP
 Pro through a web browser JMP application. Learn more at Statistical
 Thinking for Industrial Problem Solving.
- We offer some free online on-demand courses:
 - Introduction to the JSL Scripting Language
- We have many online, on-demand courses included in a monthly (or yearly) subscription. Access one course, or take all of them it's your choice! Learn more about the JMP Learning Subscription.

Take a synchronous class.

- Take a public online course with a live instructor. Learn about all of our courses, and find our public course schedule and registration links from our Course Catalog.
- Schedule a private course with a JMP Partner. See the list of JMP Partners and reach out to them directly.

Get help from a JMP Partner.

Let our consulting friends guide you through a tricky analysis, or coach you as you apply the methods you learned in class. See the list of JMP Partners and reach out to them directly for consulting or mentoring help.

Overview | JMP Education

Upcoming Courses

> JMP SCRIPTING LANGUAGE

JMP®: The JMP® Scripting Language Nov. 14 - 18 | 1:00 - 4:30 p.m. ET

> GETTING STARTED

JMP®: A Case Study Approach to Data Exploration

Nov. 16 - 17 | 11:00 a.m. - 2:30 p.m. ET

> DESIGN OF EXPERIMENTS AND QUALITY IMPROVEMENT
JMP: Reliability Analysis for Non-Repairable

Nov. 29 - Dec. 2 | 1:00 - 4:30 p.m. ET

> GETTING STARTED

Systems

JMP®: Graphing and Reporting with JMP®

Dec. 1 - 2 | 1:00 - 4:30 p.m. ET

> DESIGN OF EXPERIMENTS AND QUALITY IMPROVEMENT

JMP®: Custom Design of Experiments Dec. 6 - 9 | 1:00 - 4:30 p.m. ET

> JMP SCRIPTING LANGUAGE

JMP® Software: Designing and Building a Complete JMP® Script

Dec. 13 - 16 | 1:00 - 4:30 p.m. ET





Instructors with DoD Experience



Heath Rushing <u>www.adsurgo.com</u>

Heath is an American Society of Quality (ASQ) Certified Quality Engineer and the co-founder and principal consultant of Adsurgo LLC, a company specializing in advanced analytics consulting services and training for enhanced business performance. He has been a professor at the US Air Force Academy as well as a quality engineer and Six Sigma Black Belt in both biopharmaceutical manufacturing and R&D. Heath holds a master's degree in operations research from the Air Force Institute of Technology and has used JMP since 2001.

One of Heath's students said: "Heath was very professional and knowledgeable on both statistical analysis and the use of JMP software. He kept us on target and interjected a good amount of fun into the course when needed."



Jim Wisnowski www.adsurgo.com

Jim is Principal at Adsurgo LLC and has a PhD in industrial engineering from Arizona State University with an emphasis in applied statistics. He was an award-winning professor and statistics chair at the US Air Force Academy. Jim retired from the Air Force, where he held various analytical and leadership positions throughout the Department of Defense in training, testing and evaluation, human resources, logistics, systems engineering and acquisition.

One of Jim's students said: "Jim is top-notch instructor with vast knowledge of the subject matter. As well, his experience with DoD and military methodology, tools and policy proved especially helpful in his interaction with the class. For future training, I intend to request Jim."



JK Analytics
United States

www.jkanalytics.com

JK Analytics is a small business, veteran, woman owned company specializing in statistical analysis, experimental design, bio-statistics, operations research, and data analytic services. Their training services include 15 courses in statistics, reliability, analytics and design of experiments.

www.jmp.com/support

Support

Get the Answers You Need

JMP technical support is provided by statisticians and engineers educated in SAS and JMP, many of whom have graduate degrees in statistics or other technical disciplines. At SAS, technical support is a career, not just a job.



support@jmp.com

919.677.8008





www.google.com



Search Google or type URL

JMP (type feature/capability/question here)





www.jmp.com/fedgov



tom_donnelly Staff



Joined: Jul 7, 2014

JMP Federal Government User Resources Page

NOV 11, 2014 12:16 PM





JMP Learning Resources - a PDF Slide Stack with Embedded Links



The JMP® Analytic Workflow

From data to insight – all in one self-service platform







JMP Defense & Aerospace Team

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Sam Tobin

JMP Senior Account Representative sam.tobin@jmp.com 919-531-0640

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JMP Principal Systems Engineer tom.donnelly@jmp.com
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Thanks for your interest in JMP. If you have any questions, please contact us.



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