

Virtual JMP Users Group

Agenda:

"Blind Analysis for Design of Experiments and Response Surface Methodology," Bill Kappeler,
Objective Experiments

Blind Analysis is a technique attributed to Richard Feynman for protecting analyses against inadvertent bias. In this presentation you will learn what Blind Analysis is and how to use it with DOE and RSM in JMP. Blind Analysis showcases many of JMP's great strengths, including the ability to save your results as a script. You will also learn how to use the Blind Analysis scripts in the JMP File Exchange: [Blind Analysis for Design of Experiments and Response Surface Methodology](#)

Blind Studies

- Single blind – participants
- Double blind – participants and researchers
- Triple blind – participants, researchers, and analysts

Blind Analysis

- The results are hidden from the analyst.
- If the analyst does not know what the result “should” be, he won't inadvertently bias it.
- All factor names and levels are disguised.
- All response names are disguised.
- It isn't generally necessary to disguise the actual responses.
- Constraints are disguised.

JMP Add-In

- <https://community.jmp.com/docs/DOC-9800>
 - Disguise a design – automatically generates the analysis key
 - Reveal an analysis
- Included in Sidekick 12.3.1
 -

Sidekick is Free

Objective
Experiments



LOGIN 

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sidekick

Sidekick™ does the grunt work so you can be the hero. Available for JMP®, Sidekick reduces your software steps and streamlines your analysis.

- The current version of Sidekick™ for JMP 11/12 is 12.3.1. **This version supports Blind Analysis. Download Sidekick.**

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Design of Experiments

Measurement System Analysis

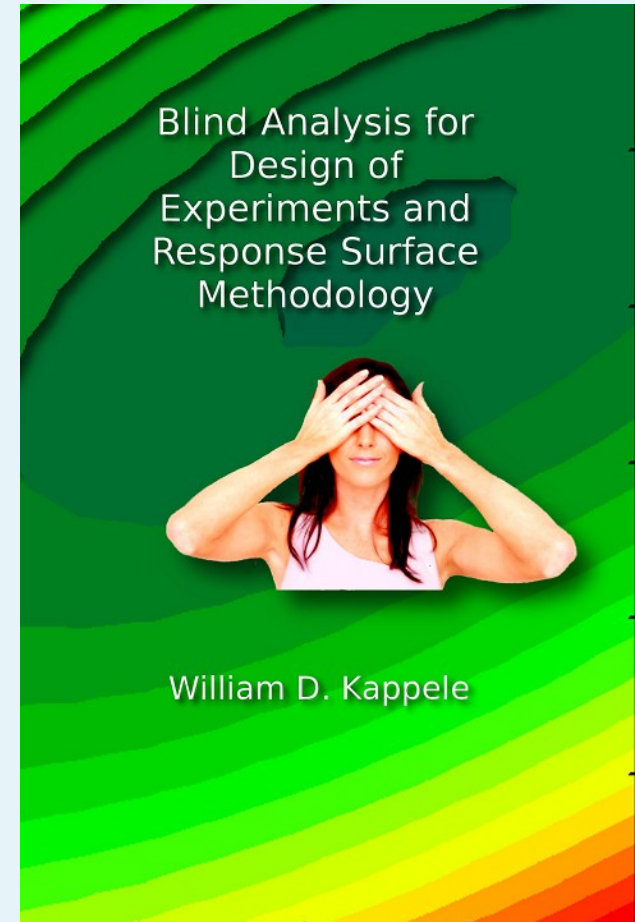
Product Reliability

An Example -- Laser Welding

- power 200-375 watts
- RPM 30-90
- revolutions 1-5
- lens three lenses are available with 5.0, 6.0, and 7.5 inch focal lengths

Another Resource

- Available from Amazon .com
- Read it for free:
 - Kindle Unlimited members
 - Amazon Prime members



Thank You

- You can join the Virtual JMP Users Group:
 - <https://community.jmp.com/groups/virtual-jmp-users-group>
- We are looking for people to present:
 - Case studies
 - Tips and tricks
- Please share what you know and help your fellow JMP users!
- Bill@ObjExp.com