

**Visualization of Data and Models Q&A from Aug. 23, 2010**

Presented by John Sall, co-founder and Executive Vice President of SAS

**Q: What does isometric do?**

**A:** Select “Size to Isometric” when the x and y axes are measured in the same units, and you want distances on the graph to be represented accurately regardless of direction.

**Q: What are the main differences between JMP® and other database visualization tools?**

**A:** JMP offers deep statistical exploration and visualization. It has many different modeling techniques and analytic methods. Most database visualization packages don't have the analytic depth and modeling capability that JMP has.

**Q: Does JMP 8 have the interactive graphics feature?**

**A:** JMP 8 has interactive graphics. Much of what is being shown is possible in JMP 8. The mapping is new in JMP 9.

**Q: Are these data filter animation and map overlay features available in JMP 8, 64-bit?**

**A:** The data filter is in JMP 8. The mapping is new in JMP 9.

**Q: Can you see the crime map at the county and census tract level?**

**A:** Yes, if you have the data for it.

**Q: I have a question on the first set of data presented. On the X4 by Y4 data, why did the line end up as horizontal when all the data points were (apparently) vertical?**

**A:** Each graph represented a different set of data. For the graph in the lower right corner, most of the points were in a vertical line, but there was one point well to the right that results in the fitted line that you saw.

**Q: I also love JMP Profiler because it makes my life easier explaining the relationships of X's to our Y's – to managers and the optimal settings. What was it? From dead PowerPoint to live drama?**

**A:** Thanks for that. I hope he [John Sall] has time to show some of the Profiler.

**Q: Great examples - is all this data available in public domain so we can use it to demonstrate to students?**

**A:** Many of these examples are available and included in the Sample Data library for JMP. We'll see if we can post some of the others.

**Q: I have JMP 8. How much of what is being demonstrated can be done with JMP 8?**

**A:** Of what has been shown, only the new mapping features are in JMP 9. All the rest you can do with JMP 8.

**Q: How can I get JMP for an academic institution?**

**A:** JMP can be added to a SAS® academic license easily. It is an add-on to the basic set of SAS products for universities.

**Q: I don't see the simulation feature in the Prediction Profiler of JMP 8. So I guess this feature only exists in JMP 9?**

**A:** The Simulator is available in the Profiler in JMP 8. Look under the hotspot for the Profiler, and you'll find “Simulator.”

**Q: Is this presentation going to touch upon how to transfer this interactive ability onto other machines for purposes of presentations, etc.?**

**A:** The Bubble Plot and Prediction Profiler can be saved as Flash to show the interactivity on other machines in HTML or PowerPoint. More static JMP results can be copied as high-quality images to other software for presentations. Or, you can use JMP for presentations, as John Sall did.

**Q: What programming language is this script using?**

**A:** JMP has its own language, the JMP Scripting Language (JSL).

**Q: This is awesome! It will be extremely valuable in helping to teach students concepts in data analysis particularly when these students for the most part are taking a data analysis class because it is required.**

**A:** Thank you for tuning in! The link to the on-demand version will be sent to all attendees via e-mail. You can also check the SAS TALKS website at [support.sas.com/sastalks](http://support.sas.com/sastalks).

**Q: This is the right product for teaching analytics and data mining to business students (I am on a business school faculty.). I wish it was part of our academic license.**

**A:** JMP can be added to your SAS academic license. Several business schools use JMP and SAS® Enterprise Miner™ to teach data mining in business schools.

**Q: Does SAS enterprise record scripts like JMP does while running analysis, etc.? The reason I am asking is that I am not a programmer but have been using scripting for all my work. So I was thinking of starting to use SAS® Enterprise Guide® as well.**

**A:** I'm not sure which SAS product you're referring to, but SAS Enterprise Miner and SAS Enterprise Guide both provide programs based on the actions that you take.

**Q: What would you recommend to a SAS user to learn how to set up the models and to learn all of the functions/different types of graphing capabilities?**

**A:** The JMP website ([jmp.com](http://jmp.com)) hosts a live, Web-based "getting started" session each Friday. This is a great place for anyone new to JMP to get started. There are also excellent SAS training courses about JMP.

**Q: If unable to present live, is there a way to generate an encapsulated animation for PowerPoint?**

**A:** The Bubble Plot, Prediction Profiler and Distributions (in JMP 9) can be exported as Flash and shown in PowerPoint.

**Q: In order to make a geo/map graph, are the lat/long the only requirements?**

**A:** Yes. That's all you need.

**Q: Unfortunately, I don't have access to JMP. Do you have any suggestions for resources for visualizing data in SAS 9.2?**

**A:** JMP can be added as a client to SAS 9.2 as part of SAS Visual Data Discovery or by just adding copies of JMP to your SAS licenses. You can also get a free 30-day trial of JMP from [jmp.com](http://jmp.com).

**Q: Do you have any clinical trial data visualization?**

**A:** We have a new product called JMP Clinical that is built to analyze and visualize CDISC data.

**Q: Can 3-D spinning plots, surface plots, etc., be saved as Flash files for presentation purposes?**

**A:** Not at this time.

**Q: How hard would it be to do the analyses presented today in JMP in SAS/IML® Studio?**

**A:** SAS/IML Studio doesn't have the same capabilities as JMP.

**Q: Is JMP capable of overlaying multiple graphs? I understand that Graph Builder allows the user to overlay one parameter, but not multiple parameters.**

**A:** Yes, the Graph Builder can plot multiple variables on both the X and Y axis. The Overlay Plot platform has similar capability. You can also copy the contents of any graph and paste them into another.

**Q: Is JMP used with SAS Enterprise Guide?**

**A:** SAS Enterprise Guide 4.3 can pass SAS data to JMP for exploration. It also has a JMP Stored Process Packager node that will assist in the creation of a stored process that provides enhanced results when run from JMP.