FACT SHEET

SAS® Programming Using JMP®

If you like programming in SAS, you'll love programming SAS using JMP.

Who should use JMP® and SAS®?

SAS programmers who want to program in a development environment that includes graphical analysis and tools for their SAS data will love the combination of JMP and SAS.

Business users will find the point-and-click access to SAS data and the power of SAS Analytics for reporting and analysis most appealing. These users want data and report access, but they also need to explore and discover trends and patterns in their data.

Scientists and engineers who need SAS for data integration and advanced analytics will also benefit from the new product integration. These people use JMP to access SAS data marts that integrate tables from various sources. SAS applications built in JMP can provide users point-and-click interfaces to access this data and advanced analytics available in other SAS products, such as SAS/STAT®, SAS/IML®, SAS/ETS®, SAS/OR® and SAS/QC®.

If you're ready for the best of both worlds, you're ready to visualize your SAS data with JMP. You've already experienced the unparalleled depth of SAS Analytics and data integration.

Now get ready for a SAS client that's unlike anything you've experienced. Get ready for software that will let you grab your data, slice it, spin it and make it come alive. JMP statistical discovery software allows close, personal and intimate interaction with data. JMP brings dynamic visualization to the SAS user. That's important to the SAS programmer because leveraging the powerful JMP environment with SAS code results in SAS applications that deliver rich graphics.

JMP has the feel of a spreadsheet, but it also has the supportive structure of a database – and much more graphical responsiveness. Changes happen instantly, eliminating the usual step of sending a job to the server and retrieving results.

JMP is completetly scriptable. The JMP Scripting Language (JSL) provides access to all of the native user interface elements and all analytic functions of JMP. This makes JMP an ideal platform for developing applications with dynamic interactive graphics.

Integration points

How does JMP integrate with SAS? In a word: seamlessly. JMP can run SAS Stored Processes authored by SAS Enterprise Guide®, SAS Web Report Studio or other means. An intuitive user interface is included with prompts generated from SAS Stored Processes.

- If JMP Scripting Language is included in the SAS Stored Process, additional JMP features like interactive graphics can be surfaced to the users.
- Full JSL programming support is offered for SAS Stored Processes, including the ability to create custom dialog boxes in JMP to support SAS Stored Processes that need cascading prompts, selection boxes populated from SAS data sets, etc.

JMP can access data that is defined physically on a SAS server using mechanisms like libnames run within a SAS program or an autoexec file. Data defined in metadata can also be accessed with an added authorization model provided by the SAS Enterprise Intelligence Platform.

Users can browse SAS Libraries and preview data sets with an intuitive point-and-click interface. They can open that data with JMP, subsetting by columns or other specified criteria.

STATISTICAL DISCOVERY.™ FROM SAS.

SAS programmers can write any SAS code within JMP and submit it to SAS either on the same computer or a remote SAS server.

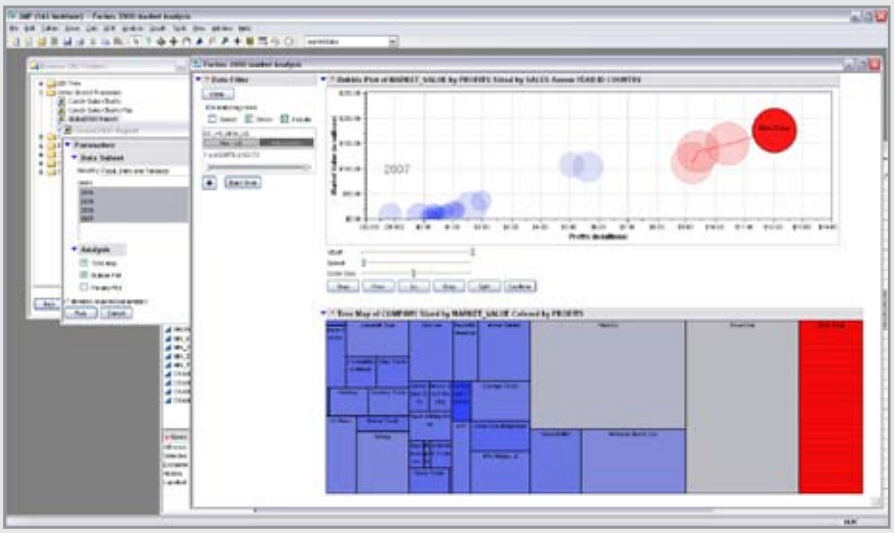
The editor in JMP recognizes JSL and SAS syntax and color-codes them appropriately. A SAS log and SAS output window are also available.

By incorporating SAS code within JSL, users can create native JMP interfaces that run SAS Analytics in a point-and-click environment.

Key Features

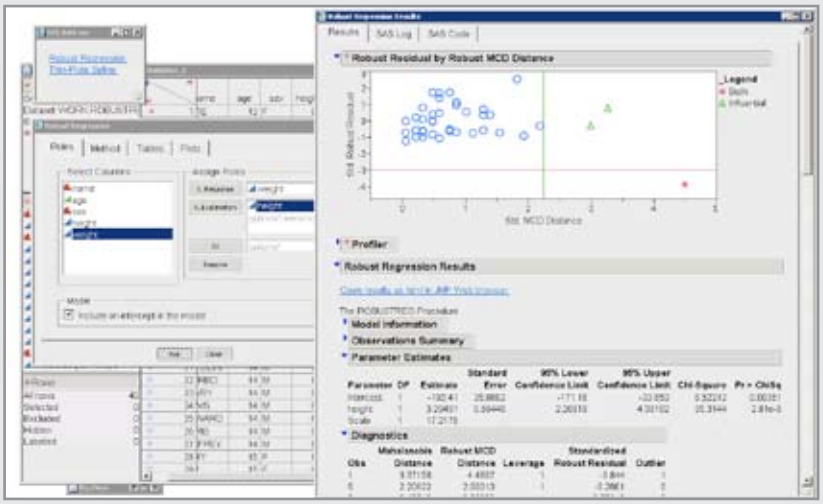
Generate reports from SAS® servers

JMP offers users unparalleled access to interactive, dynamic views of data. Reports can be generated from a SAS server and then augmented using the many compelling visualizations available in JMP.



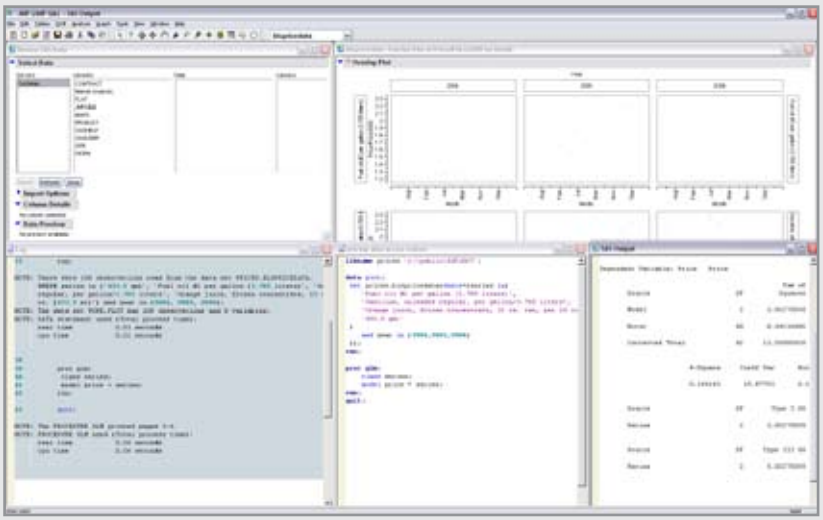
See point-and-click interfaces instead of complex procedures

JMP incudes sample point-and-click interfaces to the power of SAS Analytics. The example below uses PROC ROBUSTREG in SAS/STAT to provide stable regression results in the presence of outliers. The complexity of the SAS procedure is hidden behind a simple user interface, bringing the power of SAS to engineers and scientists.



Everything you need is right there

This is a typical JMP window setup for a SAS programmer. Program editor, SAS log, SAS output, data browser and JMP graphics window are displayed.



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