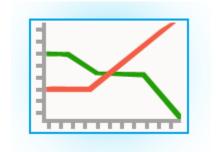


Multicolor Plot

Plot a curve in multiple colors



Product: IBM® SPSS® Modeler

Extension type: Output

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-IBM SPSS Modeler 16

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Description

This SPSS Modeler 'Graph' node allows you to plot different intervals of a same curve in various colors. Simply install the node, select the coordinate's fields, select the different intervals you want and choose the visual parameters that suit you best..

Requirements

- SPSS Modeler v16.0 or later
- SPSS Modeler 'R Essentials' plugin

Installation

Close SPSS Modeler. Save the *.cfe* file in the CDB folder of the IBM SPSS Modeler installation directory for Windows and Linux. The copy should reside in that same folder and not in a sub-folder.

For example, for Windows 7 the default location is "C:\ProgramData\IBM\SPSS\Modeler\16\CDB".

Restart SPSS Modeler: the node will now appear in the Field Ops palette.

R Packages used

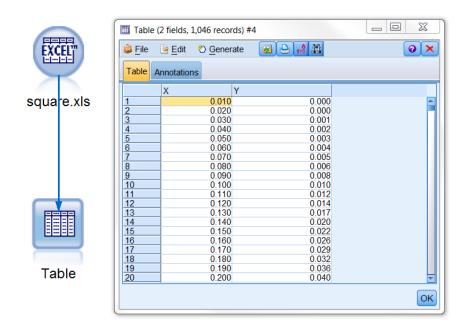
None



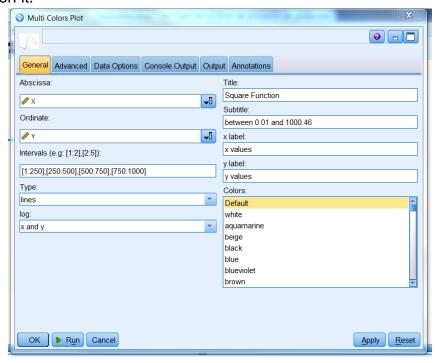
Tutorial

1. Import and prepare your data.

For example, you can use the square.xls file which is the square function between 0 and 10 approximately.



2. Connect a 'Multi Color Plot' node to the last node of your stream, with your data prepared. Double click on it.





Now you have to fill the fields within two tabs:

Tab 'General':

'Abscissa' – 'Ordinate': Select the Coordinates fields

'Intervals': Write the different intervals

'Type': Select the type of plot you want

o 'log': If you want logarithmic scale. It is possible only if the x and/or y values are strictly positive

'Title' – 'Subtitle' – 'x label' – 'y label': Enter the different titles

'Colors': Select colors of each interval

Tab 'Advanced':

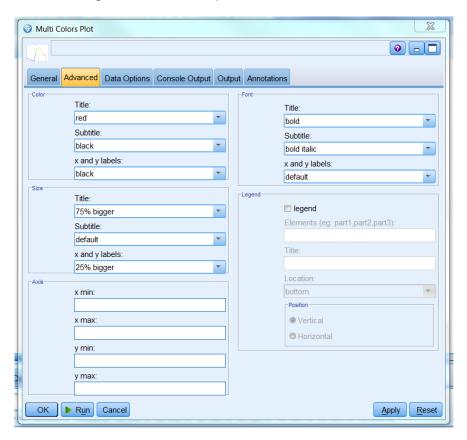
'Color': Choose the colors of each title

'Size': Choose the size you want for each title

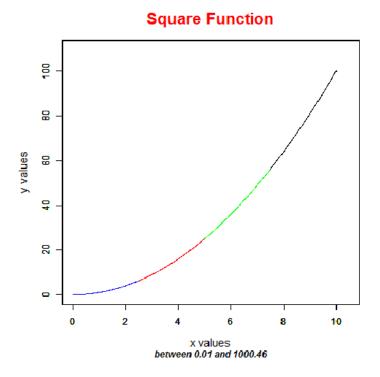
'Font': Choose the font of each of each title

o 'Axis': Specify the limits of each axis

'Legend': Choose the legend title and its position



3. Click on 'Graph Output' tab to see the graph:



Important links

Learn

- Learn more about SPSS software.
- Visit <u>developerWorks Business analytics</u> for more technical analytics resources for developers.
- <u>The Comprehensive R Archive Network</u> is the main site for the R project and each R package. The help pages and manuals that are associated with optimx, nlmrt, and Rcgmin are detailed. Numerous references are provided.
- Read "<u>Do I need to learn R?</u>" (Catherine Dalzell, developerWorks, September 2013) to learn
 why R is a valuable tool for data analytics that was expressly designed to reflect the way that
 statisticians think and work.
- "Calling R from SPSS" describes how to use R code inside IBM SPSS Modeler 16.
- Read "<u>Using Google maps API</u>" to discover how to use Google Maps API with R.
- Read "<u>Create new nodes for IBM SPSS Modeler 16 using R</u>" to learn how to create new extensions easily.

Get products and technologies

- Download the R plug-in for SPSS plugin.
- Download the R 2.15.2 for Windows package.

Discuss

- Visit the <u>IBM SPSS DevCentral developerWorks community</u> to share tips and experiences with other IBM SPSS developers.
- Follow <u>developerWorks on Twitter</u> to be among the first to hear about new resources.