



Scripting Documentation of the graphomate slopegraphs 2.1 for SAP Lumira Designer 2.x

Version 2.1 - as of October 2018

<https://www.graphomate.com>

1 Scripting Documentation

Script documentation for the graphomate slopegraphs for SAP Lumira Designer

Rev. 2.1 as of September 2018

1.1 Introduction

The graphomate slopegraphs support Designer scripting language, so it is possible to interactively use the extension during runtime. One could, for example, set new data, manipulate the title or change the scaling. This documentation will provide a list of the currently available functions including examples of their usage. We are trying to enhance the extend of our functionality, so please don't hesitate to let us know if you are in need of a certain functionality using out [contact page](#).

1.2 Events

These are the available event hooks, for which the user can define his own scripts using the property sheet under events.

Event Name	Description
On Element Clicked	Triggered if the user clicks some element of the component during runtime. To enable drill-downs one will have to react to the user input. Therefor the return value for the following function will be updated with this event: <code>getSelectedMember()</code>

1.3 Functions

These are the available functions, they can be used withing Designer script editor.

Getter Name	Example	Return type	Example return value	Description
<code>getSelectedMember(Dimension dimensionKey)</code>	<code>GRAPHOMATESLOPEGRAPH_1.getSelectedMember();</code>	Member		After the user clicked an element/category of the slopegraph, this function will return the members for the specified dimension <code>dimensionKey</code> . This member provides several fields like <code>text</code> , <code>internalKey</code> and <code>externalKey</code> .
<code>getData()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getData();</code>	String	<code>{"(MEASURES_DIMENSION)": "0D_NWI_NSAL", "0D_NWI_RCOD": "80503"}</code>	Returns the selection string which represents the selected data from the data source. Please refer to the Designer documentation for further information.
<code>getShowCategoryLabels()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getShowCategoryLabels();</code>	boolean	<code>false</code>	Returns a flag to describe whether or not the category labels are visible.
<code>getFontSize()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getFontSize();</code>	float	<code>14</code>	Returns the font size.
<code>getTextColor()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getTextColor();</code>	String	<code>#ff0000</code>	Returns the font color.
<code>getFocusTextColor()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getFocusTextColor();</code>	String	<code>#BADA55</code>	Returns the focus font color, which is used during runtime when the mouse is hovering over a slope.
<code>getFontFamily()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getFontFamily();</code>	String	<code>Comic Sans</code>	Returns the font family.
<code>getOnlyLeadingDescription()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getOnlyLeadingDescription();</code>	boolean	<code>true</code>	Returns whether or not only leading labels are shown for the slopes.
<code>getNumberFormat()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getNumberFormat();</code>	String	<code>0b</code>	Returns the number format.
<code>getSlopeColor()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getSlopeColor();</code>	String	<code>#777</code>	Returns the slope color.
<code>getFocusSlopeColor()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getFocusSlopeColor();</code>	String	<code>#1CE1CE</code>	Returns the slope focus color which is used during runtime when the mouse is hovering over a slope.
<code>getPositiveSlopeColor()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getPositiveSlopeColor();</code>	String	<code>#facade</code>	Returns the color for the ascending slopes (which are only visible if Show Trend in Slopes is active).
<code>getNegativeSlopeColor()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getNegativeSlopeColor();</code>	String	<code>#911</code>	Returns the color for descending slopes (which is only visible if Show Trend in Slopes is active).
<code>getNegativesGood()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getNegativesGood();</code>	boolean	<code>false</code>	Returns whether or not ascending slopes are interpreted as negative and are colored correspondingly (and vice versa).
<code>getShowTrendInSlopes()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getShowTrendInSlopes();</code>	boolean	<code>true</code>	Returns whether or not trends should be shown (using the specified trend colors, see above).
<code>getSlopeThickness()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getSlopeThickness();</code>	float	<code>1.5</code>	Returns the thickness of the slope lines.
<code>getUseRanks()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getUseRanks();</code>	boolean	<code>false</code>	Returns whether or not slope are scaled using their rank instead of their value.
<code>getRankDotRadius()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getRankDotRadius();</code>	float	<code>3</code>	Returns the radius used for the Rank Dot Radius (only relevant if Use Ranks is active).
<code>getAscendingOrder()</code>	<code>GRAPHOMATESLOPEGRAPH_1.getAscendingOrder();</code>	boolean	<code>true</code>	Returns whether or not the slopes are shown in ascending order.

Setter Name	Example	Description
<code>setData(String val)</code>	<code>GRAPHOMATESLOPEGRAPH_1.setData({"(MEASURES_DIMENSION)": "0D_NWI_NSAL", "0D_NWI_RCOD": "80503"});</code>	Sets the selection string, which specifies the data visualized by the slopegraphs. Please refer to the Designer documentation for more information.

setShowCategoryLabels(boolean val)	GRAPHOMATESLOPEGRAPH_1.setShowCategoryLabels(true);	Sets whether or not category labels should be visible.
setFontSize(float val)	GRAPHOMATESLOPEGRAPH_1.setFontSize(12);	Sets the font size.
setTextColor(String val)	GRAPHOMATESLOPEGRAPH_1.setTextColor("#eee");	Sets the font color.
setFocusTextColor(String val)	GRAPHOMATESLOPEGRAPH_1.setFocusTextColor("#ff0000");	Sets the focus font color which is used during runtime if a user hovers over a text.
setFontFamily(String val)	GRAPHOMATESLOPEGRAPH_1.setFontFamily("Wingdings");	Sets the font color.
setOnlyLeadingDescription(boolean val)	GRAPHOMATESLOPEGRAPH_1.setOnlyLeadingDescription(false);	Sets whether or not only leading slope labels should be shown.
setNumberFormat(String val)	GRAPHOMATESLOPEGRAPH_1.setNumberFormat("0.0a");	Sets the number format.
setSlopeColor(String val)	GRAPHOMATESLOPEGRAPH_1.setSlopeColor("#00ff00");	Sets the slope color.
setFocusSlopeColor(String val)	GRAPHOMATESLOPEGRAPH_1.setFocusSlopeColor("#0000ff");	Sets the focus slope color which is used during runtime if a user hovers over a slope.
setPositiveSlopeColor(String val)	GRAPHOMATESLOPEGRAPH_1.setPositiveSlopeColor("#123456");	Sets the color for ascending slopes (which is only shown if Show Trend in Slopes is active).
setNegativeSlopeColor(String val)	GRAPHOMATESLOPEGRAPH_1.setNegativeSlopeColor("#654321");	Sets the color for descending slopes (which is only shown if Show Trend in Slopes is active).
setNegativesGood(boolean val)	GRAPHOMATESLOPEGRAPH_1.setNegativesGood(true);	Sets whether or not ascending slopes are interpreted as negative and therefor be colored differently (and vice versa).
setShowTrendInSlopes(boolean val)	GRAPHOMATESLOPEGRAPH_1.setShowTrendInSlopes(false);	Sets whether or not trends should be shown (using the specified trend color, see above).
setSlopeThickness(float val)	GRAPHOMATESLOPEGRAPH_1.setSlopeThickness(2);	Sets the slope thickness.
setUseRanks(boolean val)	GRAPHOMATESLOPEGRAPH_1.setUseRanks(true);	Sets whether or not slopes should be scaled using their rank instead of their value.
setRankDotRadius(float val)	GRAPHOMATESLOPEGRAPH_1.setRankDotRadius(5);	Sets the Rank Dot Radius (only relevant if Use Ranks is active).
setAscendingOrder(boolean val)	GRAPHOMATESLOPEGRAPH_1.setAscendingOrder(false);	Sets whether or not the slopes are shown in ascending order.