

PL/PDF

PLPDF3_CHART

User's Guide

v5.21

PL/PDF

Contents

init	1
setChartTitle	1
addCategory	1
addDataSet	1
setDatasetLabel	2
addValue	2
setBarProperties	2
setEntireChartDataLabels	2
setXAxisTitle	3
setYAxisTitle	3
setXAxisScaling	3
setYAxisScaling	4
setXAxisPosition	4
setYAxisPosition	4
setXMajorGridLine	4
setYMajorGridLine	4
setXMinorGridLine	5
setYMinorGridLine	5
setXTickMarks	5
setYTickMarks	5
setXAxisLine	6
setYAxisLine	6
setXLabels	6
setYLabels	7
setXUnitShift	7
setYUnitShift	7
addLegend	7
setMainFrameColor	8
DrawChart	8

init

Type: Procedure

Description: Initializes the variables used to create charts.

Version: v4.0.0

Parameters:

- p_type t_chart_type: The type of the chart.
- p_format_string varchar2 default null: Format string for number to character conversion

Return: -

setChartTitle

Type: Procedure

Description: Sets the text and properties of the Chart Title.

Version: v4.0.0

Parameters:

- p_x number default null: X position of the Chart Title.
- p_y number default null: Y position of the Chart Title.
- p_title varchar2: The title of the chart.
- p_angle number default 0: Rotation of the chart title.
- p_caps plpdf3.t_caps default plpdf3.c_smallcaps: Sets the capital settings of the title.
- p_font plpdf_type.v2avg default null: Font type
- p_italic boolean default false: Italic
- p_bold boolean default false: Bold
- p_size number default 14: Font Size
- p_rtl boolean default false: Right to Left text
- p_text_color plpdf_type.t_color default null: Font Color
- p_box plpdf3.t_box default null: Box of the title.

Return: -

addCategory

Type: Procedure

Description: Adds a category to the chart.

Version: v4.0.0

Parameters:

- p_textValue varchar2: Name of the category
- p_color plpdf_type.t_color default null: Color of the category's sector in pie chart

Return: -

addDataSet

Type: Procedure

Description: Adds a DataSet to the chart.

Version: v4.0.0

Parameters:

- p_name varchar2: Name of the DataSet

PL/PDF

- p_color plpdf_type.t_color default null : Color of the DataSet
 - p_mark plpdf3_chart.t_dataMark default null : Type of the marks on the Dataset
 - p_color plpdf_type.t_color default null : Size of the marks on the Dataset
- Return : -

setDatasetLabel

Type: Procedure

Description : Sets the properties of the data set labels.

Version: v4.0.0

Parameters :

- p_position t_common_pos : Position of the data labels.
- p_fontname plpdf_type.v2avg default null : Font type of the data labels.
- p_fontsize number default null : Font size of the data labels.
- p_bold boolean default false : Defines if the data labels are bold.
- p_italic boolean default false : Defines if the data labels are italic.
- p_underline plpdf3.t_underline default plpdf3.c_none : Underline of the labels.
- p_color plpdf_type.t_color default plpdf_const.Black : Color of the data labels.
- p_rotation number default 0 : Rotation of the data labels.
- p_x_offset number default 0 : X offset of the data labels. Positive for right offset, negative for left.
- p_y_offset number default 0 : Y offset of the data labels.

Return : -

addValue

Type: Procedure

Description : Adds a value to the chart.

Version: v4.7.0

Parameters :

- p_category_id pls_integer : Index in the Category.
- p_serie_id pls_integer : Index in the Data Set.
- p_value number : Value.

Return : -

setBarProperties

Type: Procedure

Description : Sets the properties of the bars in the column or row chart.

Version: v4.0.0

Parameters :

- p_direction t_bar_direction : Direction of the bars.
- p_gap number default null : Gap between the bars.
- p_overlap number default null : Overlap of the bars.

Return : -

setEntireChartDataLabels

PL/PDF

Type: Procedure

Description: Sets the properties of the data labels for the entire chart.

Version: v4.0.0

Parameters:

- p_position t_common_pos : Position
- p_rotation number default 0 : Rotation
- p_x_offset number default 0 : X offset of the data labels. Positive for right offset, negative for left.
- p_y_offset number default 0 : Y offset of the data labels.

Return: -

setXAxisTitle

Type: Procedure

Description: Sets the properties of the Horizontal Axis Title.

Version: v4.0.0

Parameters:

- p_x number default null : X position
- p_y number default null : Y position
- p_title varchar2 : The title of the axis.
- p_angle number default 0 : Rotation of the axis title.
- p_caps plpdf3.t_caps default plpdf3.c_smallcaps : Sets the capital settings of the title.
- p_font plpdf_type.v2avg default null : Font type
- p_italic boolean default false : Italic
- p_bold boolean default false : Bold
- p_size number default 14 : Font Size
- p_text_color plpdf_type.t_color default null : Font Color

Return: -

setYAxisTitle

Type: Procedure

Description: Sets the properties of the Vertical Axis Title.

Version: v4.0.0

Parameters:

- p_x number default null : X position
- p_y number default null : Y position
- p_title varchar2 : The title of the axis.
- p_angle number default 270 : Rotation of the axis title.
- p_caps plpdf3.t_caps default plpdf3.c_smallcaps : Sets the capital settings of the title.
- p_font plpdf_type.v2avg default null : Font type
- p_italic boolean default false : Italic
- p_bold boolean default false : Bold
- p_size number default 14 : Font Size
- p_text_color plpdf_type.t_color default null : Font Color

Return: -

setXAxisScaling

PL/PDF

Type: Procedure

Description: Sets the minimum and maximum value of the X axis (in the case of Row chart).

Version: v4.0.0

Parameters:

- p_min number default null : Minimum value.
- p_max number default null : Maximum value.
- p_orientation t_orientation default c_minMax : Orientation of the values.

Return: -

setYAxisScaling

Type: Procedure

Description: Sets the minimum and maximum values of the Y axis.

Version: v4.0.0

Parameters:

- p_min number default null : Minimum value.
- p_max number default null : Maximum value.
- p_orientation t_orientation default c_minMax : Orientation of the values.

Return: -

setXAxisPosition

Type: Procedure

Description: Sets the X label positions related to the divisions.

Version: v4.3.0

Parameters:

- p_position t_axisPos : Position

Return: -

setYAxisPosition

Type: Procedure

Description: Sets the Y label positions related to the divisions.

Version: v4.3.0

Parameters:

- p_position t_axisPos : Position

Return: -

setXMajorGridLine

Type: Procedure

Description: Sets the properties of the horizontal major grid lines.

Version: v4.0.0

Parameters:

- p_lineType t_outline_type default c_sng : Type of the lines.
- p_color plpdf_type.t_color : Color of the lines.
- p_dashType t_dashType default c_dash : Dashing style.
- p_alpha pls_integer default 0 : Transparency percent.
- p_width number default 0.75 : Line width.

Return: -

setYMajorGridLine

Type: Procedure

Description: Sets the properties of the vertical major grid lines.

Version: v4.0.0

Parameters:

- p_lineType t_outline_type default c_sng : Type of the lines.
- p_color plpdf_type.t_color : Color of the lines.
- p_dashType t_dashType default c_dash : Dashing style.
- p_alpha pls_integer default 0 : Transparency percent.
- p_width number default 0.75 : Line width.

Return: -

setXMinorGridLine

Type: Procedure

Description: Sets the properties of the horizontal minor grid lines.

Version: v4.0.0

Parameters:

- p_lineType t_outline_type default c_sng : Type of the lines.
- p_color plpdf_type.t_color : Color of the lines.
- p_dashType t_dashType default c_dash : Dashing style.
- p_alpha pls_integer default 0 : Transparency percent.
- p_width number default 0.75 : Line width.

Return: -

setYMinorGridLine

Type: Procedure

Description: Sets the properties of the vertical minor grid lines.

Version: v4.0.0

Parameters:

- p_lineType t_outline_type default c_sng : Type of the lines.
- p_color plpdf_type.t_color : Color of the lines.
- p_dashType t_dashType default c_dash : Dashing style.
- p_alpha pls_integer default 0 : Transparency percent.
- p_width number default 0.75 : Line width.

Return: -

setXTickMarks

Type: Procedure

Description: Sets the properties of the tick marks on the horizontal axis.

Version: v4.0.0

Parameters:

- p_major t_tickMark default c_out : Type of the major tick mark.
- p_minor t_tickMark default null : Type of the minor tick marks.
- p_labelPosition t_tickLblPos : Tick label positions.
- p_labelFormat : Format of the tick labels.

Return: -

setYTickMarks

Type: Procedure

Description: Sets the properties of the tick marks on the vertical axis.

Version: v4.0.0

Parameters:

- p_major t_tickMark default c_out: Type of the major tick mark.
- p_minor t_tickMark default null: Type of the minor tick marks.
- p_labelPosition t_tickLblPos: Tick label positions.
- p_labelFormat: Format of the tick labels.

Return: -

setXAxisLine

Type: Procedure

Description: Sets the properties of the horizontal axis line.

Version: v4.0.0

Parameters:

- p_lineType t_outline_type default c_sng: Type of the line.
- p_color plpdf_type.t_color default null: Color of the line.
- p_dashType t_dashType default c_dash: Dashing style.
- p_alpha pls_integer default 0: Transparency percent.
- p_width number default 0.75: Line width.
- p_crosses t_crosses default c_autoZero: Defines where does the two axis meet each other.
- p_showAxis boolean default true: Visibility of the axis.

Return: -

setYAxisLine

Type: Procedure

Description: Sets the properties of the vertical axis line.

Version: v4.0.0

Parameters:

- p_lineType t_outline_type default c_sng: Type of the line.
- p_color plpdf_type.t_color default null: Color of the line.
- p_dashType t_dashType default c_dash: Dashing style.
- p_alpha pls_integer default 0: Transparency percent.
- p_width number default 0.75: Line width.
- p_crosses t_crosses default c_autoZero: Defines where does the two axis meet each other.
- p_showAxis boolean default true: Visibility of the axis.

Return: -

setXLabels

Type: Procedure

Description: Sets the properties of the labels on the horizontal axis.

Version: v4.0.0

Parameters:

- p_align t_common_pos default c_b: Position of the labels.

PL/PDF

- p_offset pls_integer default 0 : The offset between the labels and the axis.
- p_rotation number default 100 : The rotation of the labels in degree, percentage of default value.
- p_fontname plpdf_type.v2avg default null : Font type
- p_fontsize number default null : Font Size
- p_bold boolean default false : Bold
- p_italic boolean default false : Italic
- p_underline plpdf3.t_underline default plpdf3.c_none : Underline
- p_color plpdf_type.t_color default null : Font Color

Return : -

setYLabels

Type: Procedure

Description : Sets the properties of the labels on the vertical axis.

Version: v4.9.3

Parameters :

- p_align t_common_pos default c_r : Position of the labels.
- p_offset pls_integer default 100 : The offset between the labels and the axis, percentage of default value.
- p_fontname plpdf_type.v2avg default null : Font type
- p_fontsize number default null : Font Size
- p_bold boolean default false : Bold
- p_italic boolean default false : Italic
- p_underline plpdf3.t_underline default plpdf3.c_none : Underline
- p_color plpdf_type.t_color default null : Font Color

Return : -

setXUnitShift

Type: Procedure

Description : Sets the value steps on the horizontal axis (Row chart).

Version: v4.0.0

Parameters :

- p_major number : Major steps
- p_minor number : Minor steps

Return : -

setYUnitShift

Type: Procedure

Description : Sets the value steps on the vertical axis.

Version: v4.0.0

Parameters :

- p_major number : Major steps
- p_minor number : Minor steps

Return : -

addLegend

Type: Procedure

PL/PDF

Description : Adds a legend to the chart.

Version: v4.0.0

Parameters :

- p_x number default null : X position
- p_y number default null : Y position
- p_width number default null : The width of the legend.
- p_height number default null : The height of the legend.
- p_position t_common_pos default c_r : The position of the legend.
- p_box plpdf3.t_box default null : The box of the legend.

Return : -

setMainFrameColor

Type: Procedure

Description : Sets color of the main frame.

Version: v4.9.1

Parameters :

- p_color plpdf_type.t_color default null : The color of the frame, null means no frame.

Return : -

DrawChart

Type: Procedure

Description : Draws the chart.

Version: v4.0.0

Parameters :

- p_x number default null : X position
- p_y number default null : Y position
- p_width number default null : The width of the chart.
- p_height number default null : The height of the chart.

Return : -