

How to use Chart from Table macro

This version of the app's documentation is outdated. Please find the information you're looking for here:

- [How to use Chart from Table macro](#)
- [Gantt chart type](#)
- [2023-04-03_07-34-14_Pie and Donut chart types](#)
- [Bubble Pie chart type](#)
- [Column, Stacked Column, Bar, Stacked Bar chart types](#)
- [Line, Area, Stacked Area chart types](#)
- [Time Line, Time Area, Stacked Time Area chart types](#)
- [Radar \(Spider\) chart type](#)

Managing Dynamic Charts from Table Data

The Table Filter and Charts for Confluence app allows you to visualize your table data and create dynamic charts on the fly while viewing Confluence pages. You can select the column containing labels and set one or multiple columns containing number values used for chart creation. Additionally, you can select the appropriate chart or graph type (pie, donut, bubble pie, column, bar, Gantt, line, area, time line, time area and other). Optionally, you can configure your chart according to your use case.

- [This version of the app's documentation is outdated. Please find the information you're looking for here:](#)
- [Chart Parameters](#)
- [Inserting Chart from Table macro](#)
- [Selecting the chart type and data series](#)
- [Configuring look of the chart](#)
- [Adjusting chart configuration](#)
- [Managing Charts in the Page View Mode](#)
- [Removing Chart from Table macro for Table](#)
- [Copying a table into Chart from Table macro](#)
- [Zooming in Chart](#)
- [Filtering the source table](#)
- [Setting worklog settings](#)
- [Chart Examples](#)

Starting from version 3.0.0 Table Filter add-on allows you to generate charts based on values from your data tables. The add-on supports the following types of charts:

- [Pie](#)
- [Donut and 3D Donut](#)
- [Column](#)
- [Stacked Column](#)
- [Bar](#)
- [Stacked Bar](#)
- [Bubble Pie](#)
- [Line](#)
- [Area](#)
- [Stacked Area](#)
- [Time Line / Time Area](#)
- [Stacked Tme Area](#)
- [Gantt](#)
- [Radar \(Spider\)](#)

Chart Parameters

These parameters determine the procedure of chart generation on Confluence page.

Parameter	Default	Compatible with	Description
-----------	---------	-----------------	-------------

Labels Column	None	• Pie • Donut • 3D Donut • Column (Stacked) • Bar (Stacked) • Gantt	The column containing labels for data values.
Values column	None	• Pie • Donut • 3D Donut • Column (Stacked) • Bar (Stacked) • Bubble Pie • Time Line • Time Area • Stacked Time Area • Gantt	The column containing numerical values for chart generation.
X-axis value column	None	• Line • Area • Stacked Area • Bubble Pie	The column containing numerical values for chart generation.
Y-axis value column	None	• Line • Area • Stacked Area • Bubble Pie	The column or columns containing numerical values for chart generation.
Dates column	None	• Time Line • Time Area • Stacked Time Area	You can select the column with dates for chart generation.
Date Format	yy-mm-dd	• Time Line • Time Area • Stacked Time Area • Gantt • Bubble Pie	You can specify the date format used in the column with dates.
Type	Pie	Global	You can select the appropriate chart type.
3D	Disabled	• Pie • Donut • Column (Stacked) • Bar (Stacked)	You can select the display of the chart in 3D view.
Decimal Separator	Point	Global	You can select the decimal separator (either point or comma).
Height	None (dependable on screen area)	Global	You can define the height of the generated chart.
Width	None (dependable on screen area)	Global	You can define the width of the generated chart.
Hide the source table	Disabled	Global	You can hide the table with data and enable display of the chart only.
Hide chart controls	Disabled	Global	You can hide the chart controls when you need just to display the chart without a necessity to update its view.

Show grid	Enabled	• Line • Area • Time Line • Time Area • Stacked Time Area • Bubble Pie	You can enabled display of the grid on the generated chart.
Chart Title	Disabled	Global	You can specify the title of the chart.
Show data labels	Percentage	• Pie • Donut • Column • Bar • Stacked Column • Stacked Bar • Bubble Pie	You can specify the way to show data labels (none, value, percentage, value (percentage), percentage (value)).
Align chart	Enabled	Center	You can define the appropriate alignment for the chart.
X-axis label	Disabled	Global	You can specify the label for X axis of the chart.
Y-axis label	Disabled	Global	You can specify the label for Y axis of the chart.
Minimal Value	Disabled	• Column • Bar • Stacked Column • Stacked Bar • Gantt • Bubble Pie	You can specify the minimal value for showing only data values greater than the specified minimal value.
Maximal Value	Disabled	• Column • Bar • Stacked Column • Stacked Bar • Gantt • Bubble Pie	You can specify the maximal value for showing only data values not greater than the specified maximal value.
Scale Step	Disabled	• Column • Bar • Stacked Column • Stacked Bar • Gantt • Bubble Pie	You can specify the required scale step for showing the chart.
Minimal X Value		• Line • Area • Stacked Area • Time Line • Time Area • Stacked Time Area • Bubble Pie	You can specify the minimal value for X axis for showing only data values greater than the specified minimal value.
Maximal X Value		• Line • Area • Stacked Area • Time Line • Time Area • Stacked Time Area • Bubble Pie	You can specify the maximal value for X axis for showing only data values not greater than the specified maximal value.

Minimal Y Value		• Line • Area • Stacked Area • Time Line • Time Area • Stacked Time Area	You can specify the minimal value for Y axis for showing only data values greater than the specified minimal value.
Maximal Y Value		• Line • Area • Stacked Area • Time Line • Time Area • Stacked Time Area	You can specify the maximal value for Y axis for showing only data values not greater than the specified maximal value.
Scale X Step		• Line • Area • Stacked Area • Time Line • Time Area • Stacked Time Area • Bubble Pie	You can specify the required scale step of X axis for showing the chart. For Time Line and Time Area charts you can specify the appropriate number of days (Xd), months (Xm) or years (Xy) where the 'X' is the digit, as follows: • 10d = 10 days as a scale step • 1m = 1 month as a scale step • 2y = 2 years as a scale step
Scale Y Step		• Line • Area • Stacked Area • Time Line • Time Area • Stacked Time Area	You can specify the required scale step of Y axis for showing the chart.
Logarithmic scale Y	Disabled	• Line • Area • Stacked Area	You can enable this option for very small or very large numeric values that cannot be properly aligned on the standard arithmetic scale.
Logarithmic scale X	Disabled	• Line • Area • Stacked Area	You can enable this option for very small or very large numeric values that cannot be properly aligned on the standard arithmetic scale.
Select colors		Global	You can select the appropriate colors for charts and graphs instead of using the automatically assigned colors.
Line settings	Solid 1.5 px	• Line • Time Line	You can select the line type (solid, dash, dot) and set its width for each line in your charts.
Logarithmic Scale	Disabled	• Column (Stacked) • Bar (Stacked) • Time Line • Time Area • Stacked Time Area	You can enable this option for very small or very large numeric values that cannot be properly aligned on the standard arithmetic scale.

Interpolation	• Linear • Step • Natural cubic • Monotone X cubic • Monotone Y cubic • Cubic Catmull-Rom • Cubic cardinal • Cubic basis • Straightened cubic basis	• Line • Area • Stacked Area • Time Line • Time Area • Stacked Time Area	You can select the interpolation method for each line in your charts.
Table Data Orientation	Vertical	Global	You can define the appropriate orientation of values in your data table.
Show inner labels	Enabled	• Pie • Bar • Column • Stacked Column • Stacked Bar	You can enable or disable display of data values (including percents) on the charts.
Legend position	Right	• Bar • Column • Stacked Column • Stacked Bar	You can regulate the position of showing the legend for a specific chart. You can also hide the legend or show it below the chart.
Show trendline	Disabled	• Line • Area • Stacked Area • Time Line • Time Area • Stacked Time Area • Column • Stacked Column • Bar • Stacked Bar	You can enable display of the trend line for each label of your chart.
Days in week	5	Global	You can enter the number of business days in a week.
Hours in day	8	Global	You can enter the number of working hours in one business day.
Output format	w d h m	Global	You can select the appropriate output format for worklog values.

Inserting Chart from Table macro

There exist three ways to insert the Chart from Table macro on the page.

Macro Insertion	Instructions	Supported Data
-----------------	--------------	----------------

Inserting the macro in the page view mode



You can display the inline macro or insert it into a global or individual basis.

1. Open a page with a table.
2. Hove over the table.
3. Click the **Create a chart from data series**  icon on the panel that appears to the right side of the table.

Financial Data 10/2016

Created by Vadim Rutkevich, last modified just a moment ago

Transaction Amount	Fee Amount	Transaction Type	Service Agent	Transaction Date	Customer Type	Transaction Status
827.25	6.62	Mortgage Loans	Tom Oliver	9/18/2016	Business	Processed
574.38	10.34	Check Cashing	Peter Jacobs	9/22/2016	Business	Pending
53.13	0.21	Loan Settlement	Mark Brown	9/5/2016	Business	Processed
270.75	0.54	Check Cashing	Peter Jacobs	9/15/2016	Business	Pending
617	9.87	Mortgage Loans	Gustavo Sanchez	9/28/2016	Business	Processed
58.75	0.12	Check Cashing	Mark Brown	9/6/2016	Business	Archived



This option is available in Confluence Server only.

1. Manually created and copied tables
2. Macros outputting table data

Inserting the macro through the action icon on the editor pane

1. Switch Confluence page to the edit mode.
2. Position the mouse pointer within the table.

The screenshot shows the Confluence editor interface. At the top, there's a navigation bar with 'Confluence', 'Spaces', 'People', and a 'Create' button. Below it is a rich text editor toolbar. The main content area shows a breadcrumb trail: 'Table Filter Space / Pages / Table Filter Space / Chart from Table'. The title of the page is 'Chart from Table'. Below the title is a table with the following data:

Brand	Q1 Growth, %	Q2 Growth, %	Q3 Growth, %	Q4 Growth, %
Samsung	15	6	8	9
Apple	16	17	9	15
LG	14	7	3	19
Sony	-1	7	9	0
Xiaomi	11	-5	-2	-2
Huawei	12	14	8	20
Motorola	12	20	7	15

Below the table, there's a status bar with a text input field 'What did you change?', a checkbox for 'Notify watchers', and buttons for 'Preview', 'Save', and 'Close'. A tooltip 'Create a chart from table' is visible over the table icon in the editor toolbar.

3. On the editor pane, click the **Create a chart from table** icon.

This option is available in Confluence Server only.

1. Manually created and copied tables

Manual entry of the {Chart from Table} query on the page

1. Switch Confluence page to the edit mode.
2. Position the mouse pointer in the appropriate place on the page.
3. Start entering {Chart from Table}.
4. From the prompted list of macro choices, select Chart from Table.

Chart from Table

The screenshot shows the Confluence editor with the text '{ chart}' entered. A dropdown menu titled 'Macro suggestions' is displayed, listing the following options: 'Chart', 'Chart from Table' (which is highlighted with a blue bar and a mouse cursor), 'JIRA Charts', and 'Open macro browser'.

1. Manually created and copied tables
2. Macros outputting table data

Selection of the Chart from Table macro in the Select Macro form

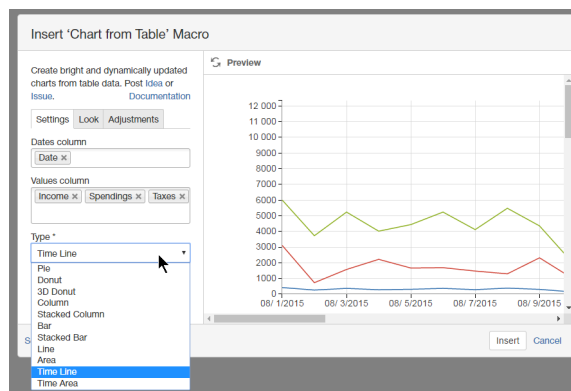
1. Switch Confluence page to the edit mode.
2. Position the mouse pointer in the appropriate place on the page.
3. On the editor pane, click **Insert**.
4. In the **Select Macro** form, locate the Chart from Table macro and insert it on the page.

5. Place the table within the macro.

1. Manually created and copied tables
2. Macros outputting table data

Selecting the chart type and data series

1. On the Confluence page opened in the edit mode, click the Chart from Table macro.
2. Click **Edit**.
3. In the **Insert/Edit Charts from Table Macro** form, define parameters of the macro, as follows:
 - **Labels / Dates / X-axis value column** - select the appropriate column containing the required data for chart generation. The name of the parameter, as well as data type may vary for different chart types.
 - **Values column** - select the column containing numbering values for chart generation.
 - **Type** - select the type of chart to generate.
4. Click **Save**.



- For the line and area charts, you will have to select the columns with numbers through the X-axis value column and Y-axis value column dropdown boxes.
- For the time line and time area charts, you will have to select the columns with dates through the Dates column dropdown box.

Configuring look of the chart

1. On the Confluence page opened in the edit mode, click the Chart from Table macro.
2. Click **Edit**.
3. Switch to the **Look** tab.
4. Configure the parameters affecting the look of chart.
5. Click **Save**.
6. Save the page.

 For the details on the list of all available parameters, see [this](#).

To set the chart dimensions:

1. Locate the **Height** and **Width** fields.
2. Enter the appropriate dimensions of the chart.

To set colors for chart elements (labels):

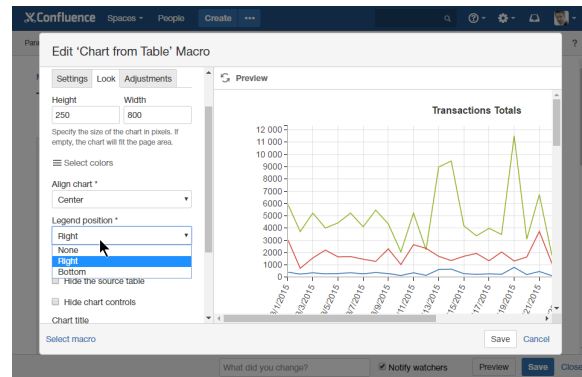
1. Locate the **Select colors** button and click it.
2. Select the appropriate colors for each label.

To set the chart alignment:

1. Locate the **Align chart** option.
2. Select the appropriate chart alignment, as follows:
 - Left
 - Center
 - Right

To show the chart legend:

1. Locate the **Legend Position** option.
2. Select the appropriate legend position, as follows:
 - None
 - Right
 - Bottom



Adjusting chart configuration

1. On the Confluence page opened in the edit mode, click the Chart from Table macro.
2. Click **Edit**.
3. Switch to the **Adjustments** tab.
4. Adjust the parameters affecting presentation of data series.
5. Click **Save**.
6. Save the page.

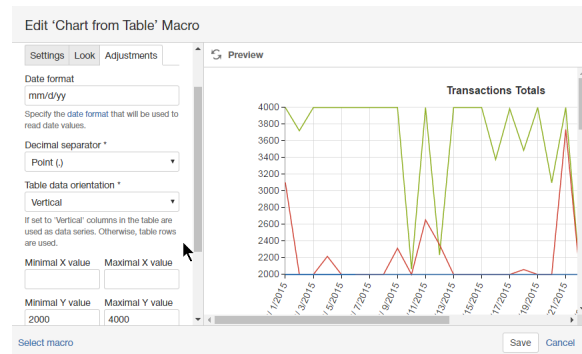
To set the date format:

1. Locate the **Date format** option.
2. Specify the [correct date format](#) for date values in the source table.

To show the trendline:

1. Locate and enable the **Show trendline** option.

 The trendline can be displayed for the line/area and date line /area charts only.

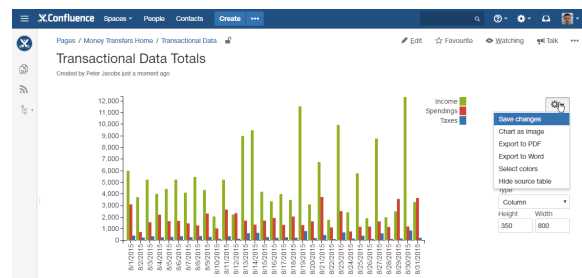


Managing Charts in the Page View Mode

Once you have defined settings of the Table chart macro and saved the page, you get a page with the generated chart.

To the right side of your chart, you can locate the chart management sidebar. It allows you to alternate the following parameters of Chart table macro:

- **Labels column** - change the column with labels for another one.
- **Values column** - change the column with data values. The chart will be automatically re-generated. Depending on the used chart type you may select column with numerical through Values column X and Values column Y fields.



- **Dates column** - change the column with dates. The chart will be automatically re-generated. This select box is shown for Time Line and Time Area charts only.
- **Type** - change the chart type for another one. You may need to re-select the table columns when changing the chart type.
- **Height/Width** - specify the required dimensions of the chart.



- For the line and area charts, you will have to select the columns with numbers through the X-axis value column and Y-axis value column dropdown boxes.
- For the time line and time area charts, you will have to select the columns with dates through the Dates column dropdown box.

To save new parameters in the macro body:

1. Click the Cogwheel icon.
2. Select **Save changes**.

To export the chart:

1. Click the Cogwheel icon.
2. Select **Export to PDF** or **Export to Word**.

To save the chart as image:

1. Click the Cogwheel icon.
2. Select **Chart as image**.

To update the colors used for charts and graphs:

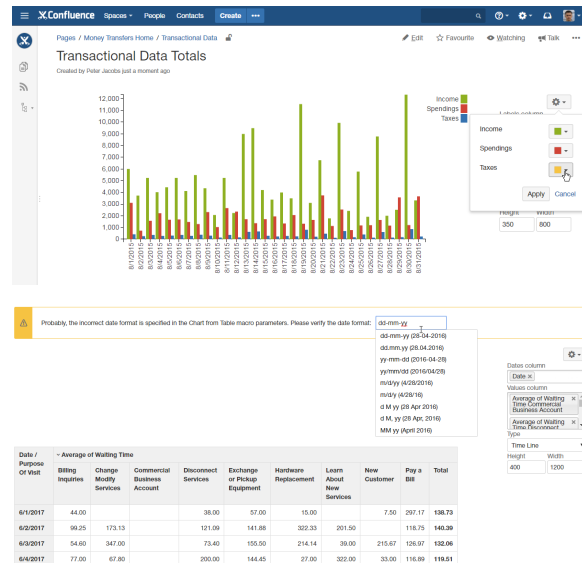
1. Click the Cogwheel icon.
2. Click **Select colors**.
3. Click the color picker and select the appropriate color on the palette.
4. Click **Apply** to use the selected colors and redraw your chart or graph.

To show the source table:

1. Click the Cogwheel icon.
2. Select **Show source table**.

To set the date format:

From 3.12.0 version, the Table Filter and Charts app allows you to set the correct date format in the page view mode. If the app detects the incorrect date format it presents you with the note panel where you can enter the correct date format. It is saved automatically if it is treated as the correct date format.



Removing Chart from Table macro for Table

1. Switch Confluence page to the edit mode.
2. Select the Chart from Table macro with the table or macro outputting the table.
3. Click **Unwrap**.

Web Page / Page Views	January 2016	February 2016	March 2016	April 2016	May 2016	June 2016	July 2016	August 2016	September 2016	October 2016	November 2016	December 2016
Home Page	2700	2613	3007	2707	3723	2900	3000	3000	2241	2400	2048	2331
About	2972	2006	1920	1034	2933	1333	1477	1500	1534	1883	2416	1636
Our Features	2972	2006	1920	1437	1723	2004	2000	1533	1533	1423	1506	1438
Completed Projects	2972	1722	1920	1722	1477	1500	1500	1400	1412	1314	1310	1300
Our Technologies	2400	1000	1313	1003	1517	1245	1373	1250	1127	1014	1053	1010
News	2400	2000	1700	1700	1500	1300	1048	1445	1311	1003	1200	1000

Copying a table into Chart from Table macro

1. Switch Confluence page to the edit mode.

2. Position the mouse pointer into any cell of the table you want to copy.
3. Click the **Copy Table** icon on the editor pane.
4. Paste the table into the Chart from Table macro on the same or on a new page.

i You can also use the **Table Excerpt** and **Table Excerpt Include** macros for building multiple charts on the basis of a single source table.

The screenshot shows the Confluence editor interface. In the top toolbar, the 'Copy Table' icon is highlighted. Below the toolbar, a 'Sprint - Gantt Visualization' chart is displayed. The chart is a Gantt chart showing task progress over time. The chart is titled 'Sprint - Gantt Visualization' and has a subtitle 'Chart from Table | column = Addon Name | aggregation = Start Date, End Date'. The chart shows three tasks: 'Sprint - Cell Consolidation and Table Merging' (88% completion), 'Sprint - Cell Value Indicator and if Analyzer' (95% completion), and 'Sprint - Comparison of Tables for' (93% completion). The chart is a Gantt chart showing task progress over time.

Zooming in Chart

1. Open the page with the chart you want to zoom in.
2. Hover your mouse pointer over this chart.
3. Hold down Ctrl and rotate the wheel button forward to zoom in the chart.

You can also do the following:

To zoom in over the desired chart area:

1. Click and hold the left mouse button.
2. Drag the mouse pointer down and right over the chart.

To zoom out the chart:

1. Click and hold down the left mouse button.
2. Drag the mouse pointer left over the chart.

To scale up values along chart axes:

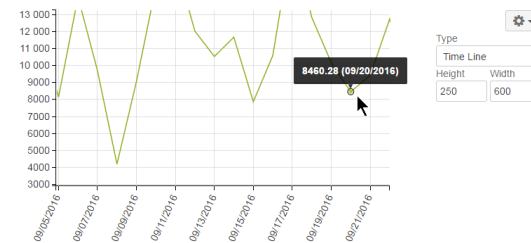
1. Hold down Shift and drag the mouse pointer left or right. (for X axis)
2. Hold down Shift and drag the mouse pointer upwards or downwards. (for Y axis)

To navigate across the chart:

1. Hold down Ctrl (for Windows) or Alt (for MacOS) and drag the mouse pointer across the chart.

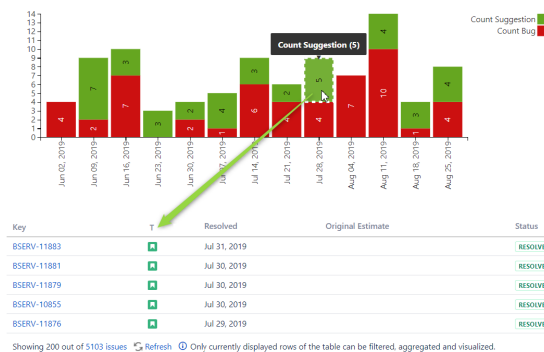
Chart Zoom

Created by Vadim Rutkevich, last modified about 2 hours ago



Filtering the source table

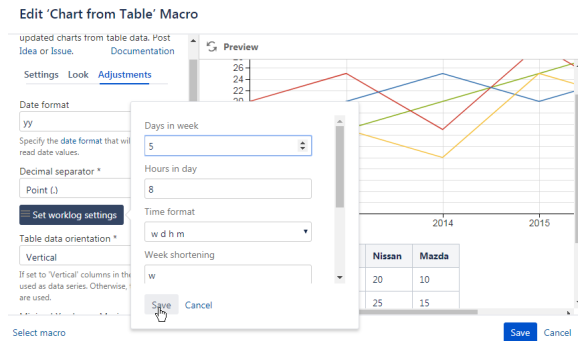
1. Select one or more chart columns/sectors/bars.
2. Only the related rows of the source table are displayed.
3. Deselect all the columns/sectors/bars to display the whole source table.



Setting worklog settings

i Please ensure that the worklog parameters set in the macro are identical to parameters configured in Atlassian JIRA.

1. Switch the page to edit mode.
2. Select the macro and click **Edit**.
3. Switch to the **Filtration** tab.
4. Click the **Set worklog settings** button.
5. In the opened form, define the worklog parameters, as follows:
 - a. **Days in week** - enter the number of business days in a week.
 - b. **Hours in day** - enter the number of working hours in one business day.
 - c. **Time format** - select the used time format in worklog values.
 - d. **Week shortening** - enter the shortening for the week time unit if you use any language different from English.
 - e. **Day shortening** - enter the shortening for the day time unit if you use any language different from English.
 - f. **Hour shortening** - enter the shortening for the hour time unit if you use any language different from English.
 - g. **Minute shortening** - enter the shortening for the minute time unit if you use any language different from English.
6. Click **Save**.
7. Save the macro and the page.

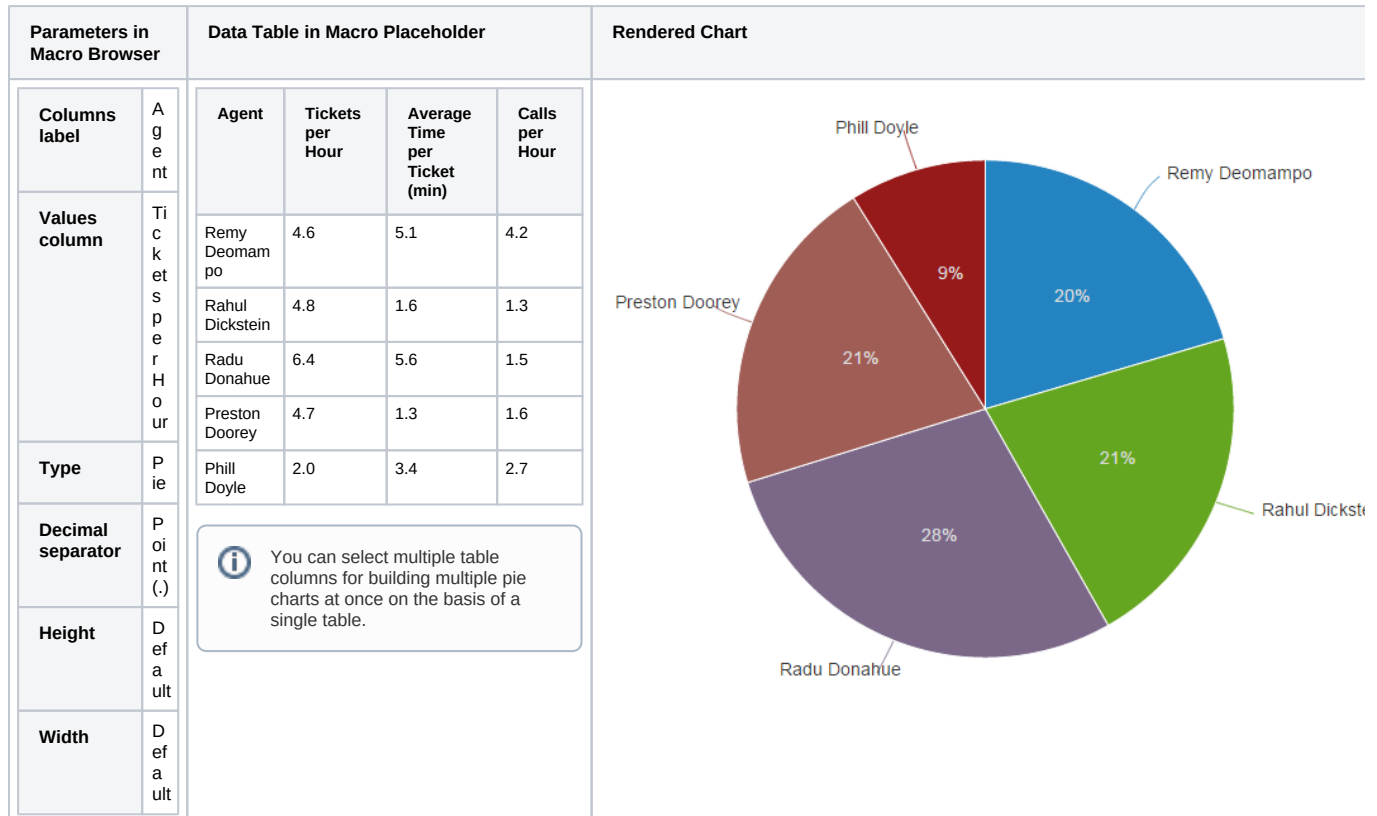


i Worklog time units in different languages are denoted with different shortenings. Please adjust them according to your JIRA localization settings.

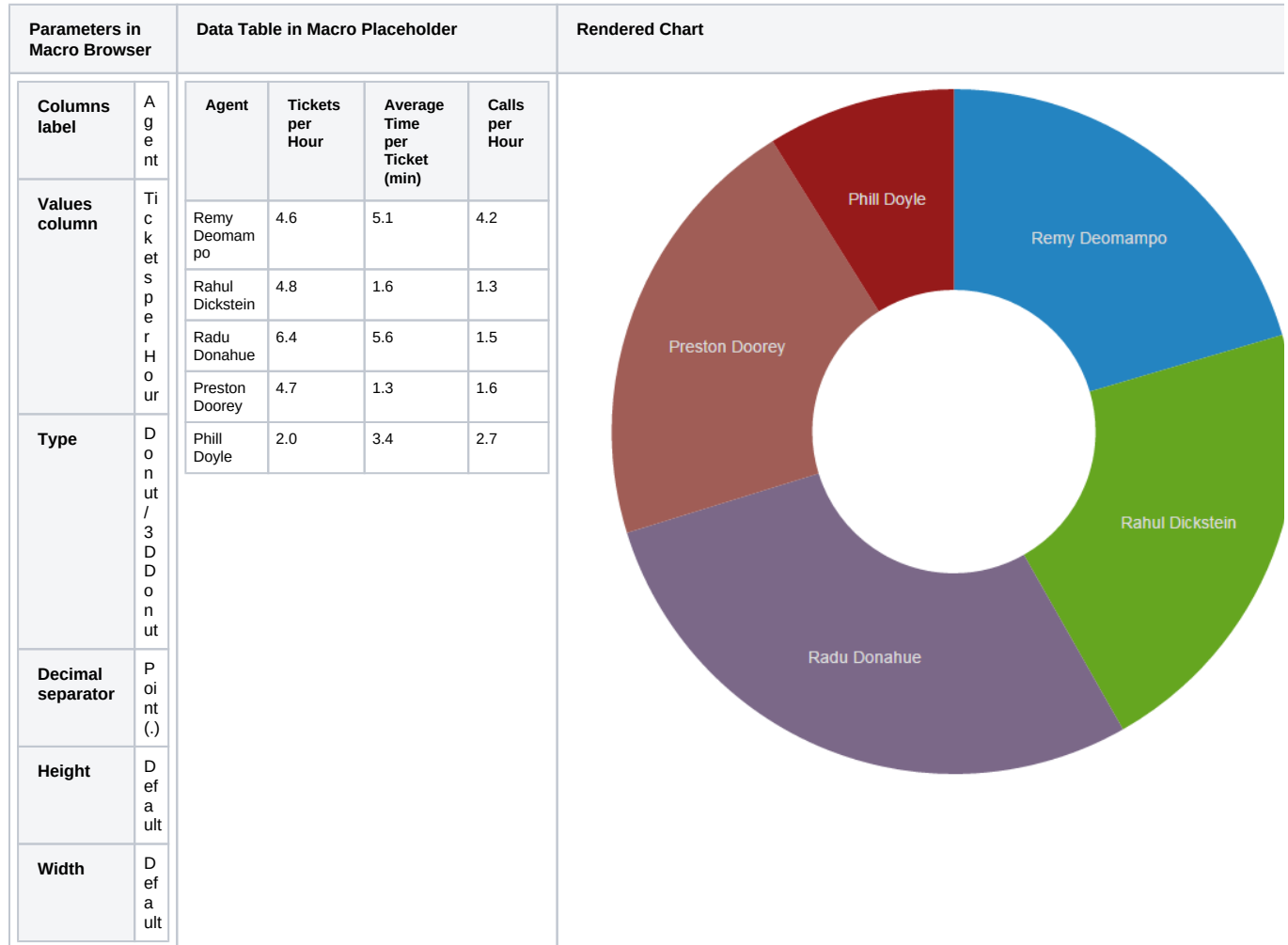
Chart Examples

Below you can find examples of chart configuration and data series used to generate a specific chart type.

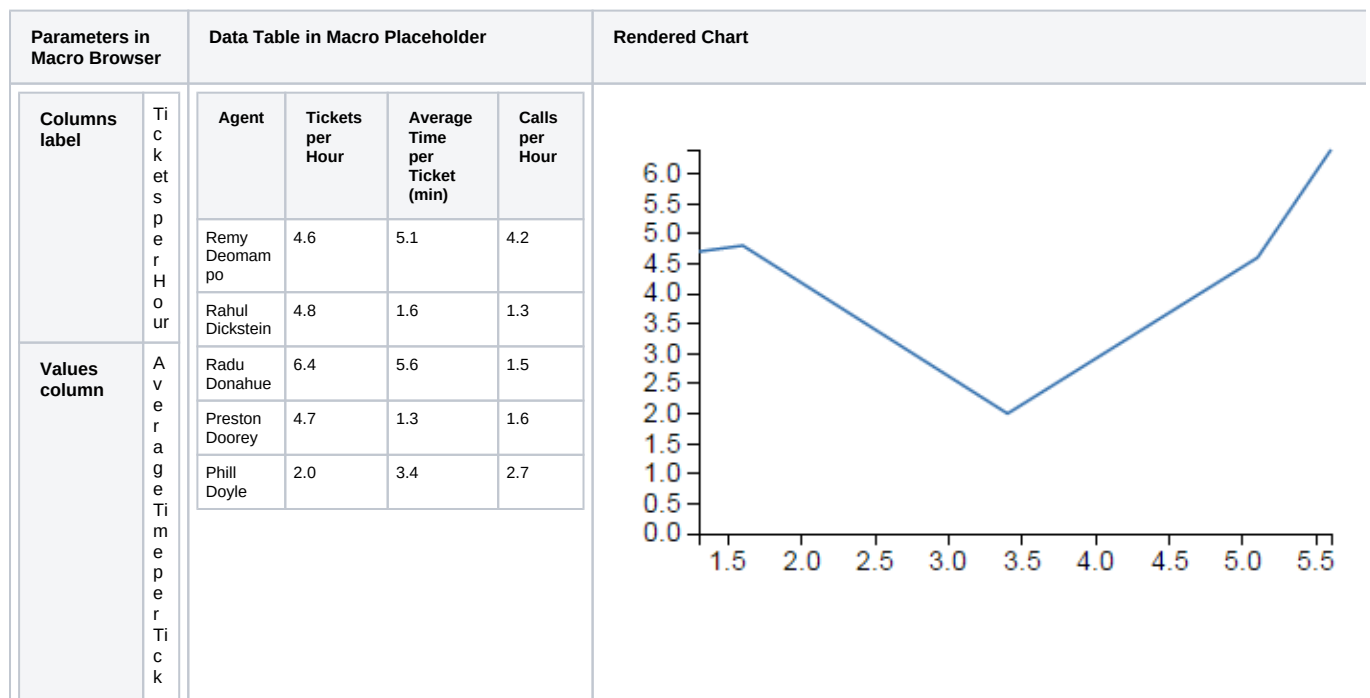
Pie chart



Donut / 3D Donut chart

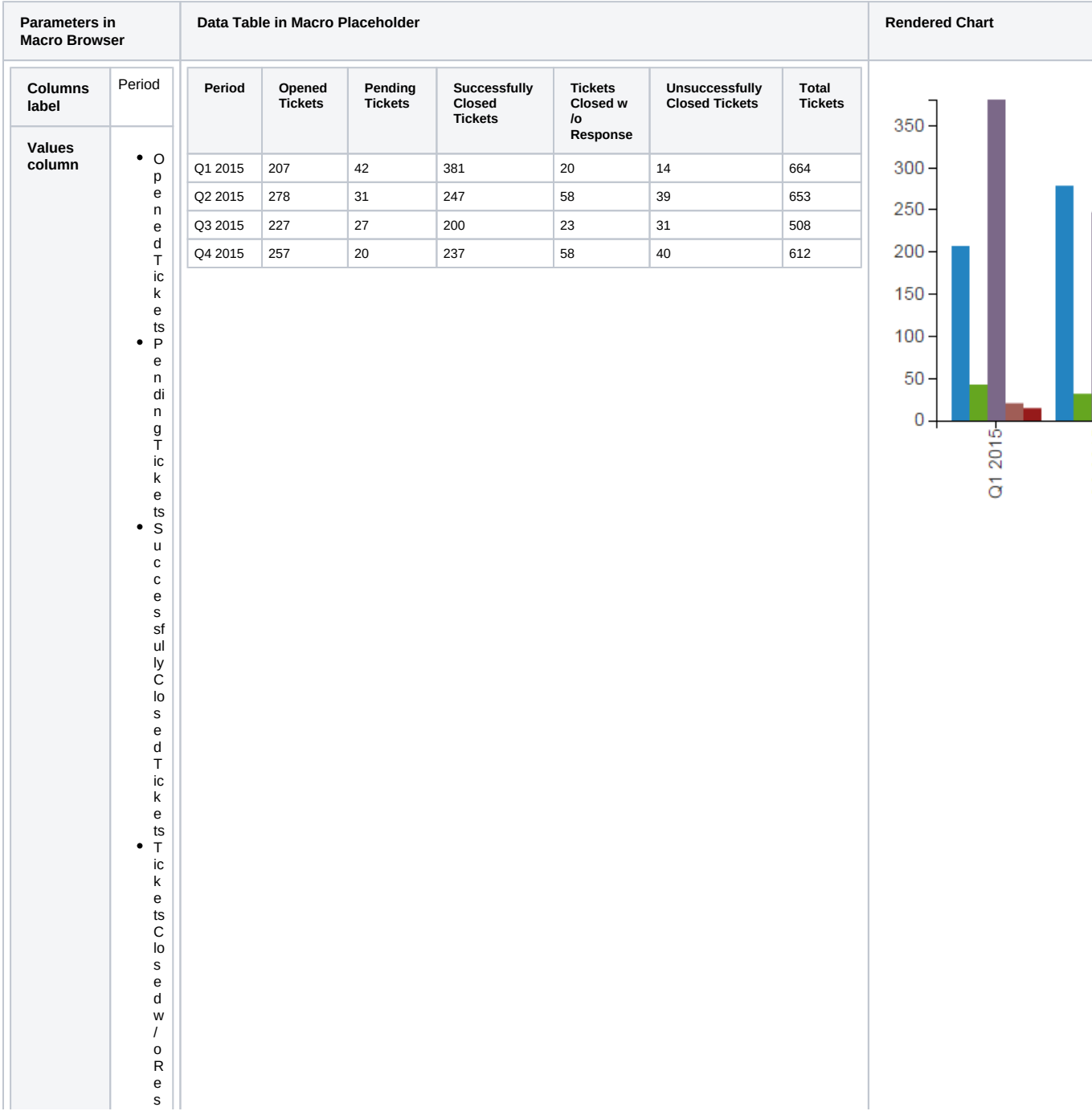


Line chart



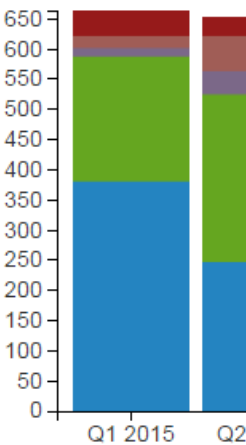
	et (m in)	
Type	Li ne	
Decimal separator	P oi nt (.)	
Height	2 00	
Width	4 00	

Column chart

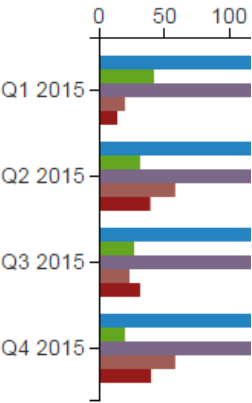


	response - Unsuccessfully Closed Tickets - Total Tickets
Type	Column
Height	300
Width	600

Stacked Column chart

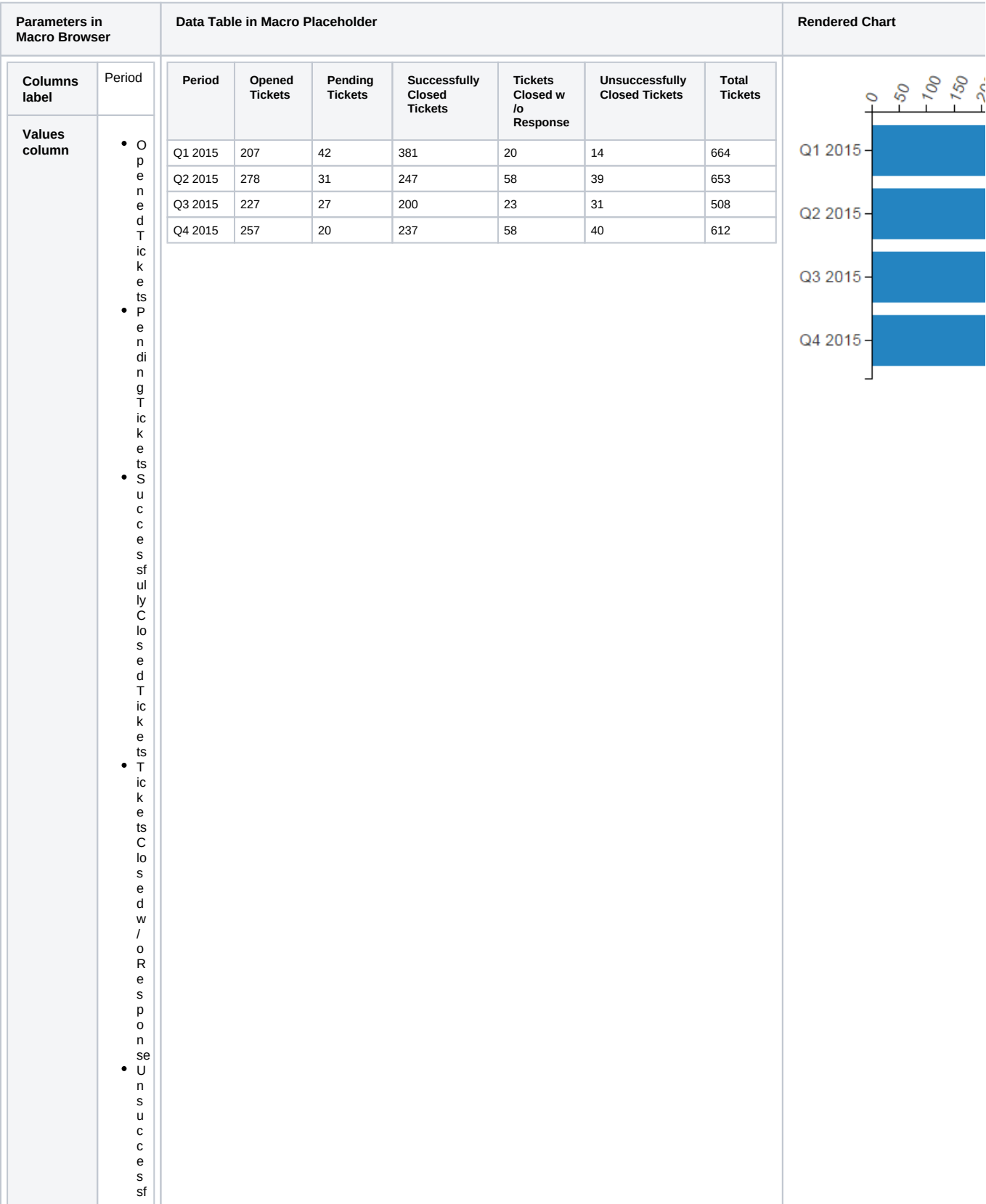
Parameters in Macro Browser		Data Table in Macro Placeholder						Rendered Chart
Columns label	Period							
Values column	- Opened Tickets - Pending Tickets - Successfully							

	Tickets Pending Tickets Successfully Closed Tickets / or Responses Unsuccessfully Closed Tickets Total Tickets	Q4 2015	257	20	237	58	40	612
Type	Bar							



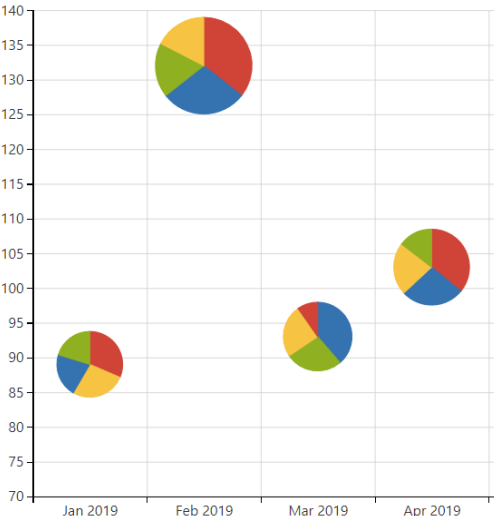
Height	300
Width	400

Stacked Bar chart



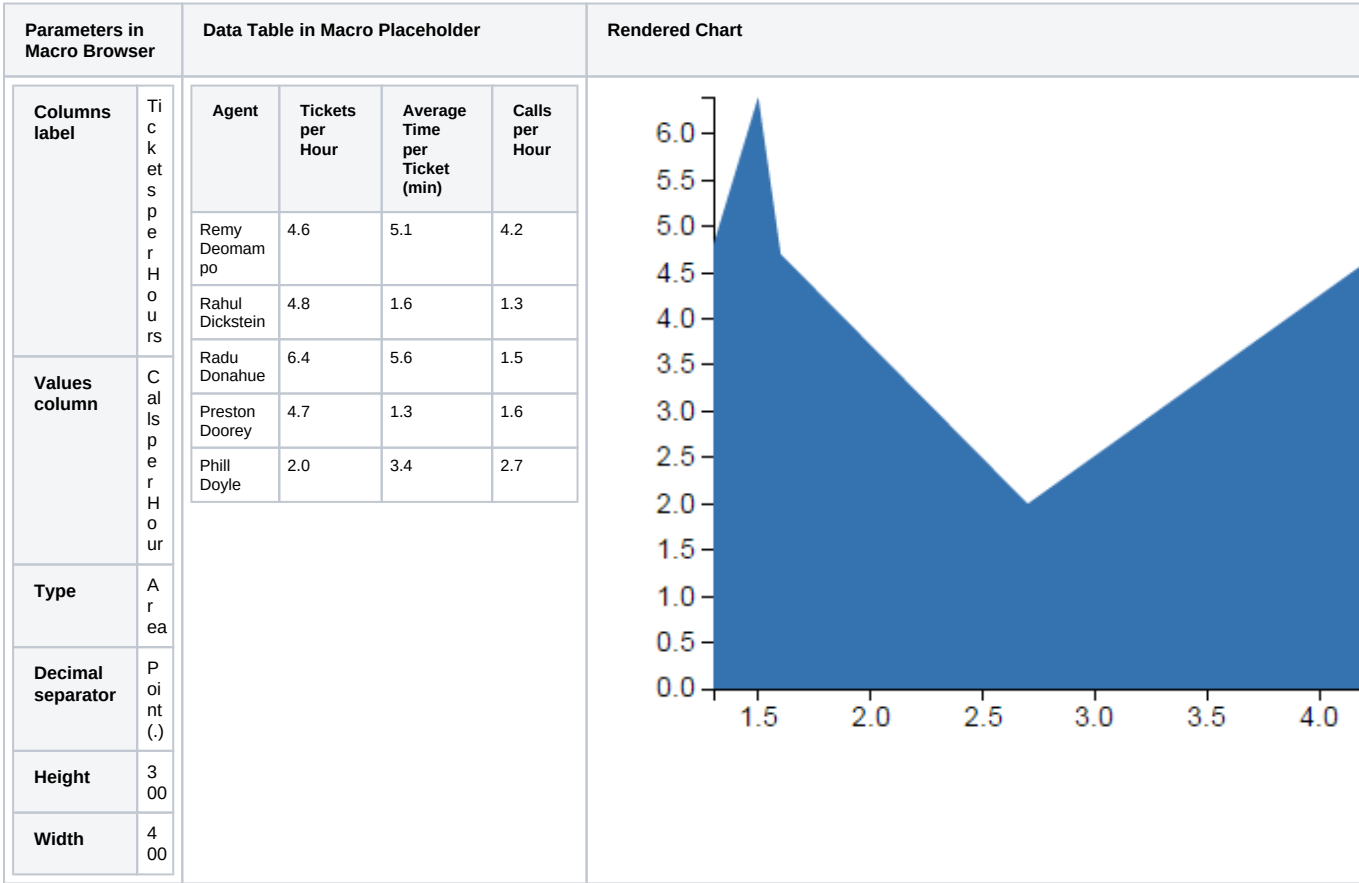
	- ul ly C lo s e d T ic k e ts • T o t al T ic k e ts
Type	Stacked Bar
Height	300
Width	600

Bubble Pie chart

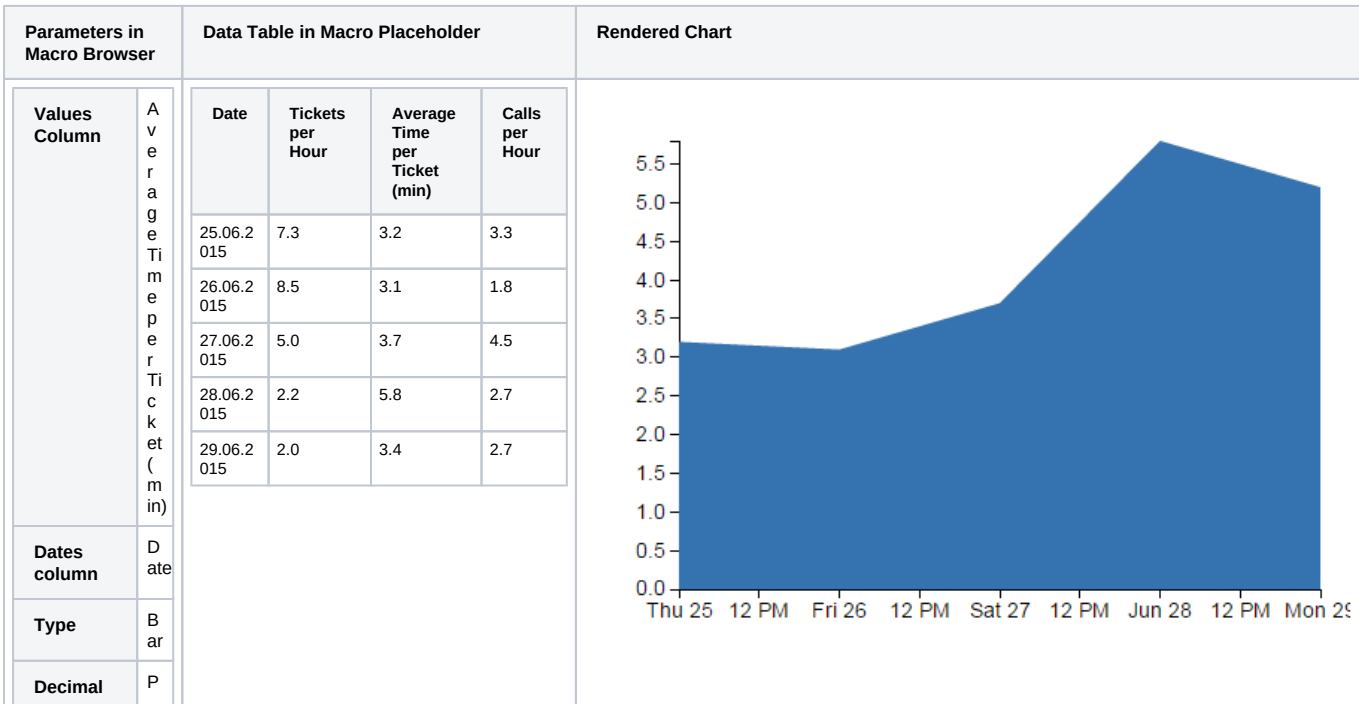
Parameters in Macro Browser		Data Table in Macro Placeholder					Rendered Chart	
X-axis and Y-axis columns	• D a t e • T o t a l r e q u e s t s	Date	Total requests	Bugs	Improvements	Tasks	New features	
		Jan 2019	89	18	19	24	28	
		Feb 2019	132	24	38	23	47	
		Mar 2019	93	25	36	23	9	
		Apr 2019	103	15	28	23	37	
		May 2019	87	16	35	26	10	
		June 2019	133	29	31	40	33	
		Jul 2019	76	12	4	10	50	
Values column	• B u g s • I m p r o v e m e n t s • T a s k s • N e w f e a t u r e s							
Type	Bubble Pie							

Height	600		
Width	1000		

Area chart



Time Line / Time Area chart



separator	oint (.)
Date format	d d. mm .yy
Height	3 00
Width	4 00

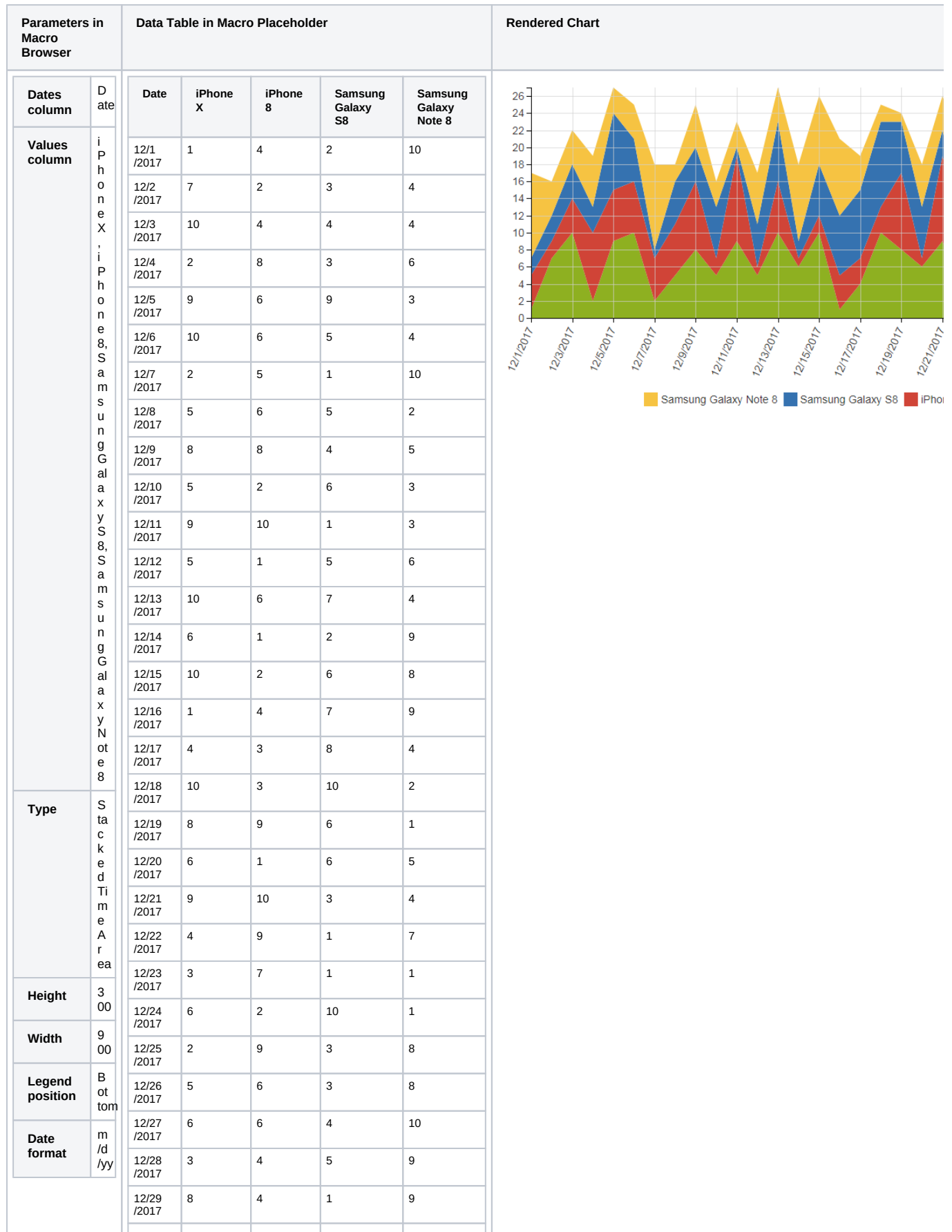
Line / Area chart (Logarithmic scale)



Instead of using the default arithmetic scale, you can use the logarithmic scale that is convenient for too large or too small numbers.

Parameters in Macro Browser		Data Table in Macro Placeholder		Rendered Chart
X-axis value column	Temperature (Celcium degree)	Evaporation heat, Joule /kg		
		0.5	2.500E+6	
		75.4	2.322E+6	
		142.9	2.137E+6	
		200.4	1.930E+6	
		270.0	1.605E+6	
		350	0.893E+6	
		374.15	0.001E+6	
Y-axis value column	Evaporation heat, Joule /kg			
Type	Line			
Logarithmic scale Y	Enabled			

Stacked Time Area chart



12/30/2017	9	1	4	9
12/31/2017	1	4	6	6

Gantt chart

Parameters in Macro Browser

Labels column

- Project
- Phase
- Start Date
- End Date
- Completion Ratio

Values column

- Start Date
- End Date
- Completion Ratio

Data Table in Macro Placeholder

Project	Phase	Start Date	End Date	Completion Ratio
Project One	Planning and Research	01 Jun 2018	30 Jun 2018	95%
Project One	Development	01 Jul 2018	30 Sep 2018	27%
Project One	Testing	01 Oct 2018	15 Oct 2018	0%
Project One	Deployment	16 Oct 2018	22 Oct 2018	0%
Project Two	Planning and Research	15 May 2018	15 Jun 2018	95%
Project Two	Development	16 Jun 2018	15 Sep 2018	27%
Project Two	Testing	16 Sep 2018	21 Sep 2018	0%
Project Two	Deployment	22 Sep 2018	30 Sep 2018	0%

Project	Milestone	Description of Milestone	Date
Project One	RC	ompletion of development	7 Oct 2018
Project Two	RC	ompletion of development	19 Sep 2018

Event	Description of Event	Date
Today		today
Demo 1	Release of Demo 1	12 Oct 2018
Demo 2	Release of Demo 2	27 Sep 2018

Rendered Chart

The rendered Gantt chart displays two projects, Project One and Project Two, with their respective phases and completion ratios. Project One is shown in red, green, yellow, and orange, while Project Two is shown in blue, green, yellow, and orange. A vertical line indicates the current date, 'Today', which is positioned at the end of the timeline.

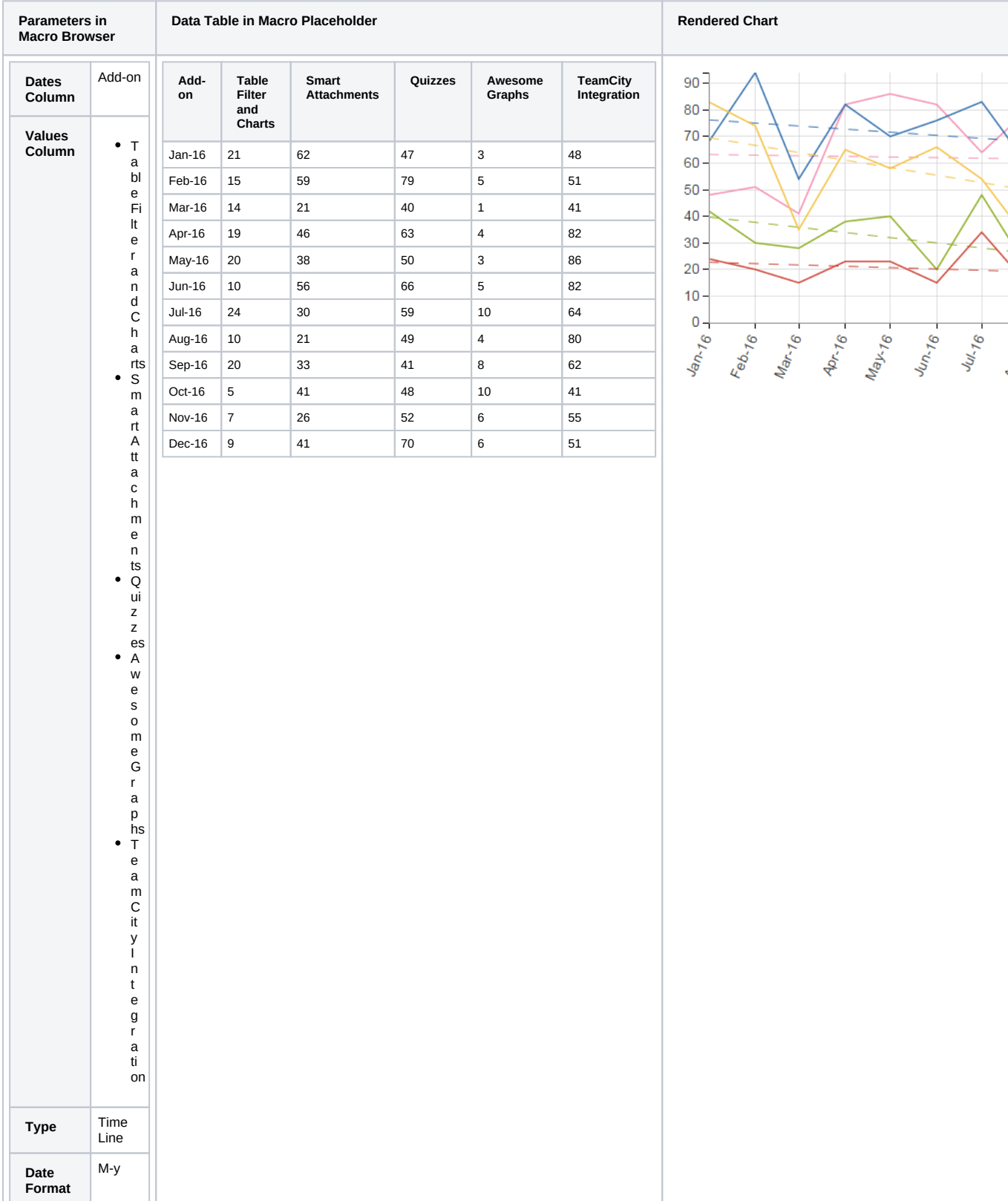
	n R a t i o n D a t e
Type	Gantt
Scale Step	1m
Date Format	dd M yy

Radar (Spider) chart

Parameters in Macro Browser		Data Table in Macro Placeholder							Rendered Chart
Labels column	Name	Name	Communication	Technical Skills	Team Player	Meeting Deadlines	Problem Solving	Punctuality	
Values column	- C - o - m - m - u - n - i - c - a - t - i - o - n - T - e - c - h - n - i - c - a - l - S - k - i - l - l - s - T - e - a - m - P - l - a - y - e - r - M - e - e - t - i - n - g - D - e - a - d - l - i - n - e - s - P - r - o - b - l - e - m - S - o - l - v - i - n - g - P - u - n - c - t - u - a - l - i - t	Eugene Kollins	4	7	4	6	2	2	
		Peter Jacobs	1	8	2	5	6	4	
		Ashley Stone	9	3	10	7	8	3	
		Molly Williams	4	2	3	6	6	1	

Type	Radar		
Maximal value	10		

Time Line chart with Trend



Show
trend
line

Enabled