

June 7, 2018

Salient Dashboards[™]

Training Guide: Building and Editing Dashboards

Version 7.0



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About Salient Dashboards

Salient Dashboards enables your team to create and access interactive, consolidated visualizations of decision support intelligence in a browser for consumption from any computer or mobile device.

Like Salient's other applications, Salient Dashboards start with UXT® technology, which transforms huge volumes of data into a highly-optimized analytical data mart. Salient Dashboards is an installation-free, browser-based client that lets users create dashboards in "edit" mode (requires rights to edit dashboards) by arranging widgets to create and publish completely customized dashboards. A variety of widget types (Comparative, Trend, Scattergram, etc.) and filtering options are available to provide the exact information users need, from an overview of the entire organization down to a single fact. Users can then view and interact with the published dashboards in "view" mode. A dashboard portal (see page 8) provides easy access dashboards. In addition, a mobile application is available to provide optimized access on mobile devices.

The screenshot displays the Salient Dashboards interface in "Edit/view modes". The top navigation bar includes "SALIENT Dashboards", "Home", "Bottling G4 on ds12", and "Edit/view modes" (with "View" and "Share" options). Below this is a toolbar with "New", "Save", "Save As", "Revert", "Import", "Export", and "Add Widget" buttons. The main workspace contains several widgets:

- Toolkit**: A sidebar on the left with options like "Month To Date vs. YAG", "Group By Channel > Region [Customer]", "Filters None", "Measures (2) Units, Margin", "Equivalent None", "Grid Settings", and "Graph Settings".
- Comparative**: A widget showing a gauge with a value of **-32.95%**.
- Mix**: A donut chart showing a distribution of data across categories.
- Table**: A table with columns for "Channel" and "Units".
- Trend**: A line and bar chart showing "Quantities" over time.

Three callout boxes provide additional information:

- Toolkit** - Configure widgets to show any performance measures, date ranges, attributes, etc.
- Workspace** - Create an interactive dashboard by adding and customizing any combination of widgets.
- Knowledge Manager** - Share intelligence and soft knowledge about the dashboard (comments, files, etc.).

A vertical "Knowledge Manager" sidebar is visible on the right side of the interface.

Channel	Units
Regional C	04
Conv With	90
Other Groc	26
Mass Merc	22
Local Chain	52
Drug Store	02
3rd Party Operators	15,140
Superettes	11,545
Industrial	7,633
Beverage Centers	7,330
Total (35)	273,537
	407,952

About Power Viewer

Power Viewer is an enhanced licensing option for Salient Dashboards that provides the following capabilities in view mode:

- Select measures using the measure selection tool. (Multiple measures must be pre-configured and measure changing must be enabled for the widget.)
- Use the breadcrumb path to select the By and, therefore, follow a flexible drill path. (Multiple Group Bys must be pre-configured and the breadcrumb path must be enabled for the widget.)
- Use advanced date options such fixed or moving timeframes and offset time periods. (The date icon must be enabled for the widget.)
- Access setup options for Geo, DeltaMap, and Mondrian widgets.

Getting Started

Log in

Before you can use Salient Dashboards, you must log in with your user ID and password. Contact your administrator if you don't know your user name and password or the login page URL.

To log in

1. In your web browser, go to the address of the Salient Dashboards login page.
2. From the **UXT Server** drop-down menu, select the name of the dataset you want to open.
3. In the **User Name** box, type your user ID.
4. In the **Password** box, type your password.
5. Click **Login**.

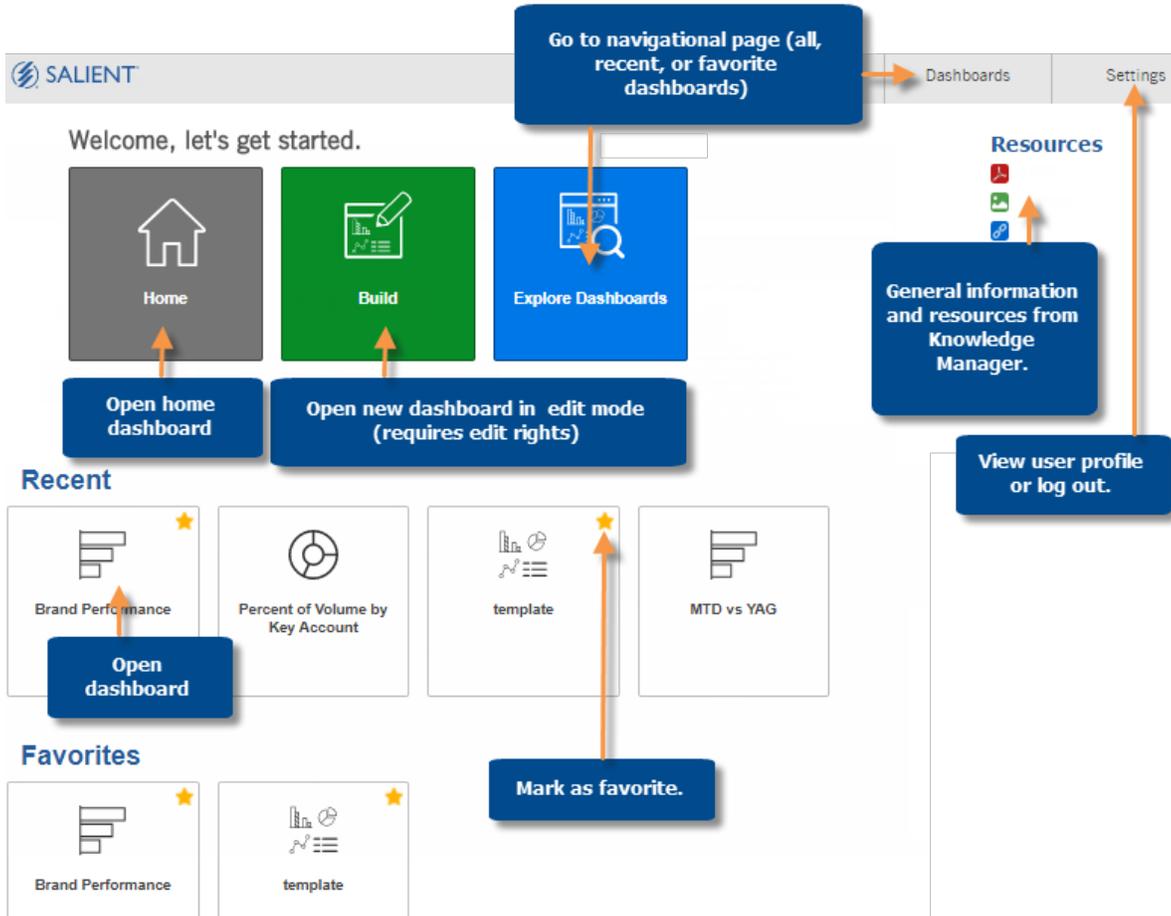
After logging in, you should see the dashboard portal or Salient Dashboards screen.

Tips:

- The dashboard portal (see page 8) opens after login unless you have entered a URL for a specific dashboard or changed the home page in user preferences. You can then go to view mode or edit mode, depending on your user rights.
- In general, Salient recommends Google Chrome™; however, other browsers are supported.
- Your server can be set up with an address that is public or private. It can also be hosted by Salient or located within your preferred infrastructure location.
- The first login is typically the slowest due to the downloading and caching of application files.
- If your organization uses an LDAP configuration (i.e., the domain stores and controls the list of users/passwords), then you must append your user ID with the @ symbol and then the domain name. For example: Username: janedoe@mycompany Password: *****
- In view or edit mode, you can log out at any time by clicking  in the upper-right corner and selecting **Logout**.
- In the portal, you can log out by clicking **Settings** in the upper-right corner and selecting **Logout**.

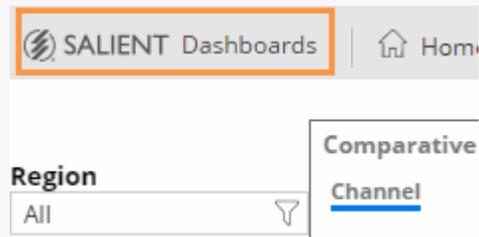
Dashboard portal

After you log in, you typically see the dashboard portal, which provides fast and easy access to published dashboards. The portal has a home page where you can access recent and favorite dashboards and a navigational page where you can access all published dashboards.



Tips:

You can go to the portal at any time by clicking **Salient Dashboards** in the upper-left corner of view or edit mode.



The thumbnail is an uploaded image called a badge (see page 52) if one has been assigned to the dashboard or a general image based on the upper-left widget type.



If you wish, you can bypass the portal changing the home page in user preferences.

Overview of dashboard creation

You must be in edit mode in order to create or edit a dashboard. The following shows the general process. Refer to the appropriate sections in this documentation for more information.

Choose a starting point: blank (i.e., new) dashboard or a "template" dashboard

1. Add widgets.

2. Add measures.

3. Select the dates.

4. Group by attributes.

5. Filter.

6. Customize.

7. Save and share.

Use Toolkit to Setup Widget

Tip: You can save any carefully-designed dashboard or blank workspace to use as a template for building new dashboards. For easy access, you could save the dashboard as the "Home" dashboard.

Step 1 - Add Widgets

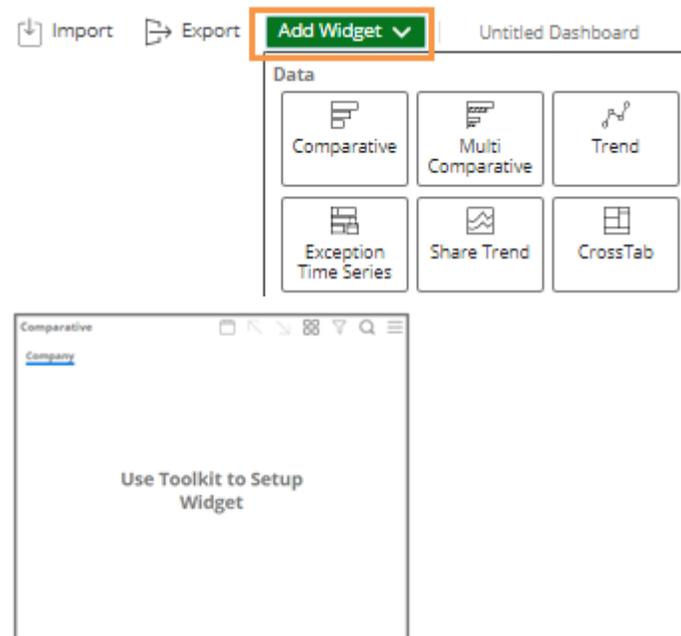
Many different types of analysis widgets (see page 57) are available to help you survey and investigate the data.

To add a data analysis widget

1. Click the **Add Widget** button at the top of the screen.
2. In the pop-up window:

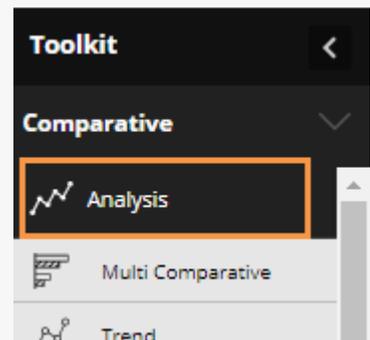
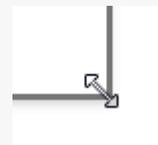
To automatically place the widget in the upper-left corner of the workspace, click the button of the analysis type.

Or, to place the widget in a specific location, click and drag the button of the analysis type onto the workspace.



Tips:

- You can optionally change the size of the widget by clicking and dragging its borders.
- You can change the analysis type of an existing widget by clicking on it and then clicking on **Analysis** in the toolkit.



- When you add a widget, it inherits the context settings (date, By, and drill-downs) of the most recently selected widget; therefore, you may want to click on a widget with similar settings (if one exists) prior to adding a widget.

Step 2 - Add Measures

Add measures in edit mode

You can add measures or "data fields" to widgets using the measures area of the toolkit (located under Context). Many widgets can display multiple measures. Other widgets only display one or two measures at a time; however, you can add multiple measures to make them available for selection (see page 19) in view mode or the mobile app.

To add measures

The screenshot illustrates the steps to add measures to a widget in edit mode. The interface shows the 'Context' menu on the left, with 'Measures' selected. The 'Measures' list is expanded, showing a list of measures with checkboxes. The 'Margin' measure is selected. The right pane shows the selected measures: Units Sold, Net Revenue, and Margin. A blue box labeled '1. Select widget.' points to the 'Comparative Channel' widget in the background. A large text overlay reads 'Use Toolkit to Setup'.

1. **Select widget** - Click on the widget if it's not already selected. You must select the widget before you can add measures to it.
2. **Open measures** - In the Toolkit panel, expand the **Context** area and click on **Measures**.
3. **Select measures** - Under **Available**, click the row(s) or box(es) of the measure(s) to show. The selected measures appear in the right pane.
4. Click **OK**.

Step 2 - Add Measures

Tips:

You can create measure groups to help organize measures in grids.

You can search for a measure.

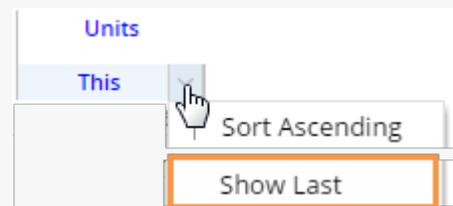
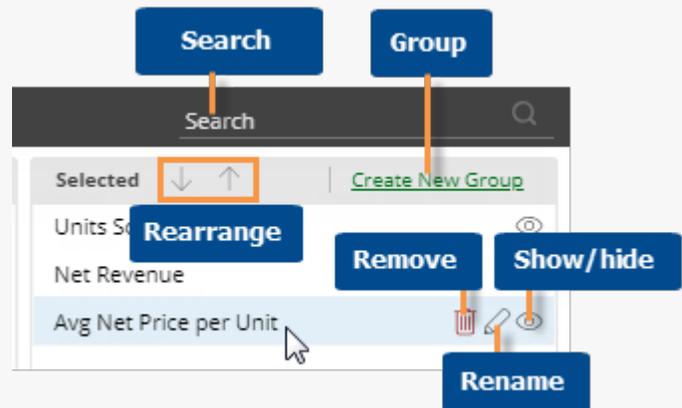
To remove a measure, mouseover its name and click .

To change a measure display name, mouseover its name and click . Note: This changes the display name of the measure in the selected widget only.

To rearrange measure columns after you've added them, use the   arrows in the measures area.

By default, the available measures depend on the context (data cube, By, etc.). You can check the **Show All** link at the bottom of the dialog to see all measures regardless of the context. Measures may also be limited by the analysis type.

If a grid already has the measure, but is missing a This or Last subcolumn, you can click on the measure column heading and select from a menu to add the subcolumn.



Insert difference and percent change

In grids that compare two date ranges, you can insert the difference and percent change.

To insert difference and percent change

1. Switch to the grid (see page 43) if you haven't already.
2. To add the difference/change percent (This-Last), place your cursor over the measure's This column, and click the drop-down arrow. From the pop-up menu, select Delta, vs. Last.

Units			
This	Last		
75,260	115,504	-40,244	-34.84
29,393	38,590	-9,197	-23.83
23,519	30,926	-7,407	-23.95
20,109	28,922	-8,813	-30.47

Tip:

To add the difference/percent change between any other values (e.g. values vs. budget), place your cursor over the first subheading in the formula, click the drop-down arrow, and then make your selection. Only measures currently in the widget are available for selection.

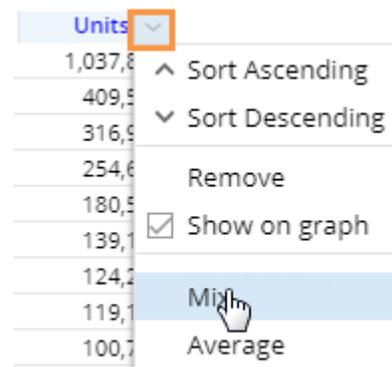
Units			
This	Last		
75,260	115,504	-40,244	-34.84
29,393	38,590	-9,197	-23.83
23,519	30,926	-7,407	-23.95
20,109	28,922	-8,813	-30.47

Insert mix

In grids that compare members, you can insert the percent of the total (mix) contributed by each member. In a Trend or Comparative Time Series widget, this adds the percent of the total for each unit of time. You cannot add mix for fields calculated with multiplication or division (such as per unit fields).

To insert mix

1. Switch to the grid (see page 43) if you haven't already.
2. Place your cursor on the column for which you want to add mix values. A drop-down arrow appears.
3. Click the drop-down arrow.
4. On the pop-up menu, select Mix.

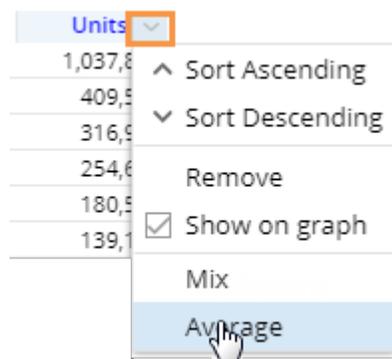


Insert average

In comparative grids, you can insert a column that shows the average per day, week, month, or period in the date range. For example, if the view totals data for past 12 months, the average column would show the average value per month.

To insert average

1. Switch to the grid (see page 43) if you haven't already. For the average column to be meaningful, the widget should show at least two units of time (days, weeks, months, etc.)
2. To add the average for This date range, place your cursor over This column; to add the average for Last date range, place your cursor over Last column.
3. Click the arrow that appears and then, from the pop-up menu, select **Average**.



Move measures

To move measures

1. In a grid, click the heading of the measure you want to move.
2. Press the left mouse button, drag the cursor to the new location, and release the mouse button.

Units Returned	Net Revenue		Units Sold
This	Last	This	Last
0		2,826	939
-10	-18	134,575	218,524
-319	-586	327,305	481,681
-380	-536	437,964	628,717
			45,246

Expand a calculated measure

Many data values are calculated within the UXT system using other measures. To see the formula for a measure, place your cursor over its heading. If you have the necessary rights, you can expand a measure to see all measures used in its formula.

To expand a calculated measure

1. In a grid, place your cursor over the heading of the measure you want to expand and then click the drop-down arrow.
2. On the pop-up menu, select **Expand**.

Tip: To remove the measures, access the pop-up menu and select the collapse option.

Net Revenue
617,341
322,468
248,042
142,371
135,616

Net Revenue		
Discounts	Gross Revenue	Net Revenue
-292,388	909,728	617,341
-59,845	382,312	322,468
-46,108	294,150	248,042
-80,245	222,616	142,371

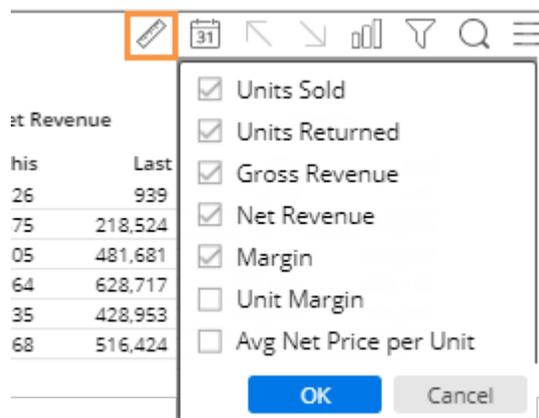
Measure selection tool

Use the measure selection tool (view or edit mode)

If a widget includes multiple measures, you may be able to select which measures to show or hide at any given time using the measure selection  tool.

To select measures

1. On the widget title bar, click the  button.
2. In the pop-up window, check the boxes of the measures to show and clear the boxes of the measures to hide. Only measures that have been added (see page 13) to the widget in edit mode are available.
3. Click OK.



Criteria for selecting measures using the  tool

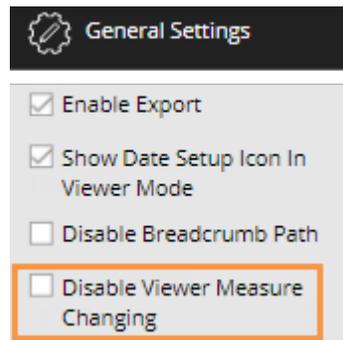
- You must have Power Viewer licensing to select measures in view mode.
- The widget must include multiple measures.
- The widget type must support measure selection.
- Measure selection must be enabled (see page 19) for the widget (on by default).

Tip: You can select a few "start-up" measures and then save the dashboard to set the default measures for the widget.

Enable measure selection for viewers

The following is a typical process for allowing measure selection in view mode and configuring a few start-up measures.

1. In edit mode, add several measures to a widget (see page 13). Only measures that have been added to the widget will be available for selection.
2. If desired, add columns for difference & percent change (Delta), mix, etc., so that those columns are pre-configured for the user.
3. Using the measure selection tool  (visible in the upper-right corner of the widget on mouseover), show your preferred "start-up" measure(s) for the widget; hide all other measures.
4. Make sure that measure selection is enabled for the widget. Measure selection is enabled by default.
 - i. Click on the widget for which to allow measure selection.
 - ii. In the toolkit, expand **General Settings**.
 - iii. Make sure the **Disable Viewer Measure Changing** box is cleared to enable measure selection.



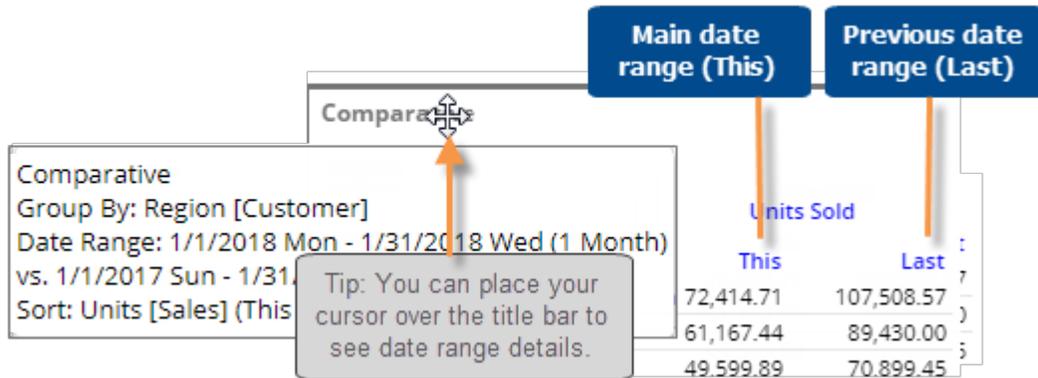
Tips:

- Users can add mix and percent change/difference regardless of whether or not measure selection is enabled.
- Viewer measure selection is not available in Exception and some other widget types.
- Only Power Viewers can select measures.

Step 3 - Select the Dates

In date setup (see page 22), you can choose a range of dates (days, weeks, months, etc.) to display when the dashboard is first opened. This provides a commonly-used "starting point" that can update nightly. Date settings can be applied per widget and/or linked across multiple widgets.

In some widget types, you can also set a previous date range with which to compare results. Most widgets total data over the selected range(s); time-series widgets show each date in the range individually.



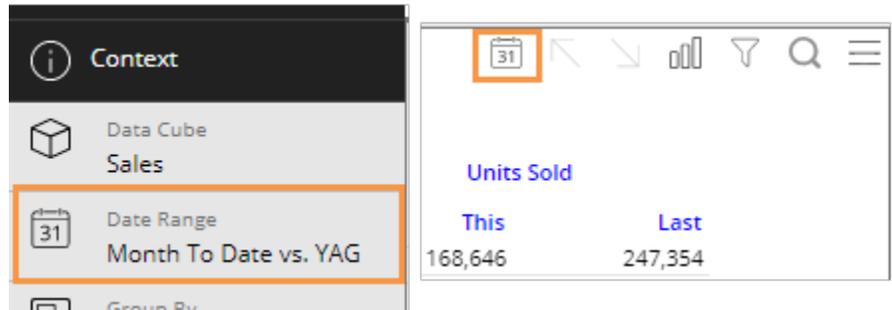
Depending on the configuration of the dashboard, users may be able to change the date range the following ways in view mode or the mobile app:

Viewer date options	Explanation				
<p>Date setup icon</p> <p>Units Sold</p> <table border="1"> <thead> <tr> <th>This</th> <th>Last</th> </tr> </thead> <tbody> <tr> <td>168,646</td> <td>247,354</td> </tr> </tbody> </table>	This	Last	168,646	247,354	<p>By default, each widget will have a date setup icon (see page 22) that allows the user to change the date setup, including resolution, number of dates, start/end dates, and other settings, using the same options available in edit mode. This icon may be disabled for a widget.</p>
This	Last				
168,646	247,354				
<p>Date selector</p> <p>Weekly (Sun) End Date</p> <ul style="list-style-type: none"> Most Recent Complete(1/23/2011) 1/23/2011 1/16/2011 1/9/2011 1/2/2011 	<p>A date selector (see page 74) allows users to change the <u>end date</u> of multiple widgets using a drop-down menu. If configured, the date selector affects all widgets in the dashboard by default, but may be turned off for specific widgets. You can add a date selector to the dashboard if you want this method of date selection to be available to users.</p>				

Date setup

To select the date setup

1. Click the date setup icon  in the title bar of the widget, or click on the widget and then click on Date Range under Context in the toolkit.
2. In the dialog, choose from the following date settings. The available options depend on the dataset and may be pre-configured by your administrator.



Resolution

Day filters → Day Filters

Name: Mos

Resolution: **Month** Week Ending: **Sunday**

Main date range (This)

This

Month To Date Last Month Last 6 Months Year To Date Last Year Custom Fixed

Start: 01/01/2011 End: 01/31/2011

Most Recent Complete

Previous date range (Last)

Last

YAG Prior Time Frame Prior Month Prior Year Month To Date Last Month Last 6 Months

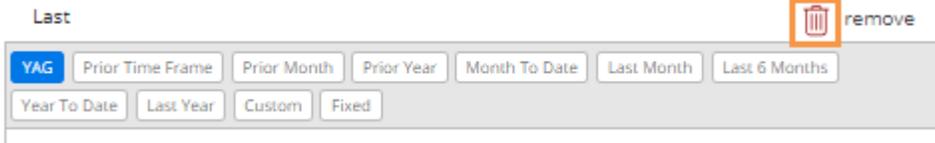
Year To Date Last Year Custom Fixed

Start: 01/01/2010 End: 01/21/2010

Comparison: Matching time frames **Comparison for incomplete timeframes**

Reset **Reset to saved date range (view mode only)** OK Cancel

Link/unlink widget's date range

Option	Explanation
Resolution (i.e. days, weeks, months, or customized periods, etc.)	Choose the units of time from the menu at the top of the dialog. This selection controls which date presets will be available.
Main date range (This)	Under This , click the button of the date range to view (e.g. Month To Date). The available date presets depend on the resolution selected above and the dataset configuration. If you wish, you can customize the date range further after making your selection.
Day filters (optional)	Optionally, click the Day Filters button at the top of the dialog to choose specific days of the week or business days within the date range to analyze. Data for all other dates will be filtered out.
Comparison date range (Last) - optional	<p>Under Last, click the button of the previous date range (e.g., YAG). The available options depend on the resolution selected above.</p> <p>If the dialog does not include a Last section, click Add Date Range at the bottom of the dialog to include a previous date range if desired.</p> <p>Tip: A comparison date range is optional in many widget types. If you want to look at a single date range only, you can remove the Last date range.</p> 
Comparison for incomplete timeframes	<p>A Comparison option at the bottom of the dialog determines how to select the dates in Last date range when This date range is incomplete.</p> <ul style="list-style-type: none"> • Matching time frames - Adjust the number of days in Last date range to match the number of days in This date range for a precise view of gain/loss (i.e. how much better/worse are we doing). For example, compare March 1 through 15 of this year with March 1 through 15 last year. • Complete last period - Do not adjust the number of days in Last date range; instead show the complete last month or period for a gap or goal perspective (i.e. how much more to go). For example, compare March through 15 of this year with the full month of March last year.

Step 3 - Select the Dates

Option	Explanation
Linked dates	<p>Toggle the link icon at the bottom of the dialog to link or unlink the widget's date range, depending on whether or not you want the date range to update automatically with other widgets.</p> <p> - indicates that the widget's date range is linked to other widgets. In view mode, the date ranges of all linked widgets update simultaneously when one of them is changed.</p> <p> - indicates that the widget's date range is unlinked and, therefore, has its own stand-alone date range.</p> <p>Tips: Even if date ranges of widgets are linked, they operate independently in edit mode to allow you to set different initial date ranges for the widgets.</p> <p>The date icon setting must be on (in general widget settings) for linked date ranges to function.</p> <p>You can also link/unlink a widget using the Use Dashboard Date setting in general widget settings.</p>

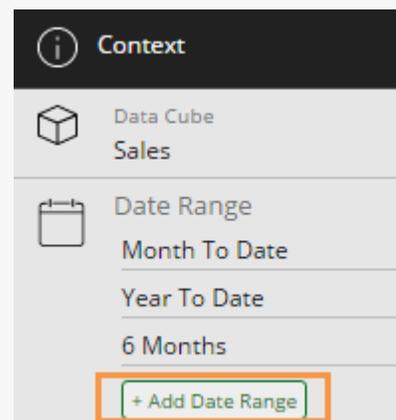
Tips:

The date range selected in edit mode (prior to saving) is used as the default that appears when users open the dashboard in view mode.

In view mode, you can click the  button to revert the date range back to the last saved settings.

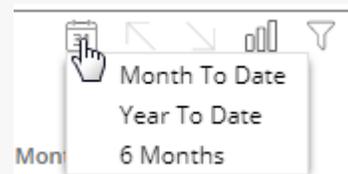
Multi Comparative widgets can show additional date ranges besides the standard This and Last ranges (e.g., MTD vs. YAG and YTD vs. YAG).

To add date ranges to the Multi Comparative, select the widget and then click Add Date Range under Date Range in the toolkit.



To edit a date range for a Multi Comparative, click  in the widget's toolbar and then select the name of the date range.

Multi Comparative date ranges cannot be linked to other widgets.

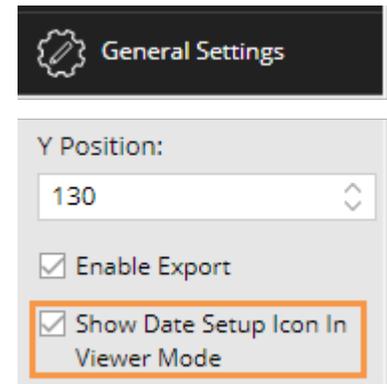


Enable or disable date setup for view mode

By default, the date setup icon  is enabled in view mode allowing users to change the date of a widget.

To enable/disable date setup icon for view mode

1. Select the widget for which you want to disable or enable the date setup icon.
2. Expand **General Settings** in the toolkit.
3. Locate the **Show Date Setup Icon in Viewer Mode** property and check or clear its box.



Step 4 - Group By Attributes

Group By

In widgets that compare members (Comparative, Multi Comparative, etc.), the "Group By" selected in edit mode controls the following:

- How data is grouped at the highest level (1st By).
- If and how members can be expanded into additional levels of data (2nd By, 3rd By, etc.).
- The order of dimensions when drilling down (i.e., drill order).
- What users can select as the By from the breadcrumb path.
- What users can drill into.
- What widget filters can be created (in the widget's filter dialog).

The screenshot shows a dashboard widget in edit mode. The 'Group By' dropdown is set to 'Supervisor > SalesRep'. The table displays data grouped by Supervisor, with columns for Units Sold and Net Revenue. The '1st By' dropdown is set to 'Supervisor' and the 'Next By (2nd By, 3rd By, 4th By, etc.)' dropdown is set to 'SalesRep'. The table shows a hierarchy of data, starting with Supervisors (ITHACA, ALFRED, ROCHESTER) and drilling down into Sales Representatives (e.g., CRAIG TAYLOR, TODD OLSON, etc.).

Supervisor	Units Sold	Net Revenue
ITHACA	21,816	388,704
ALFRED	20,019	378,226
ROCHESTER	15,183	266,475
CRAIG TAYLOR	8,692	153,873
TODD OLSON	6,488	112,554
OTHER OFF-PREMI	3,078	50,468
SUPERMARKET	1,840	28,725
CONVN-UNSPC-OFF	936	15,582
DRUG STORE	194	2,946
BAR/TAVERN/COCK	171	4,676
#INDEPENDENT	171	4,676
SILVER PONY	48	1,238
KAT'S	45	1,406
THE BREAKROOM BAR & GRILL	32	683
HAMS COCKTAILS	29	583
SPINNERS RESTAURANT & LOBBY	13	672
RED ONION	4	95
Total (4)	68,033	1,233,360

Step 4 - Group By Attributes

To select the Group By (in widgets that compare members)

1. Click on the widget and then click on **Group By** in the toolkit.
2. In the dialog, check the box of the dimension to use as the 1st By.
3. Then, check the box(es) of any additional dimensions to use as the 2nd By, 3rd By, etc.
4. Click OK.

The screenshot shows the 'Group By' dialog box. On the left is a sidebar with various settings panels: Context, Data Cube (Sales), Date Range (Most Recent Month), Group By (Supervisor > SalesRep), Filters (None), Measures (2 + 2) (Units Sold, Net Revenue), Equivalent (None), Grid Settings, Graph Settings, and General Settings. The 'Group By' dialog has two main sections: 'Available' and 'Selected'. The 'Available' section lists dimensions with checkboxes: Customer, Customer List, Company, Region [Customer], SalesRep, AssignedRoute, Channel, KeyAccount, ZipCode, City, and State. The 'Selected' section shows a list of dimensions with their order: 1 SalesRep, 2 Channel, 3 KeyAccount, 4 Customer List, 5 Brand, and 6 Package. A 'Key Order' dropdown is above the 'Selected' list. At the bottom are 'Add All', 'OK', and 'Cancel' buttons. Two tip boxes are present: one pointing to the 'Selected' list and another pointing to the 'Available' list.

Tip: The order controls the drill order as well as the order used when expanding members. Click on a number to change the order.

Tip: Only dimensions selected in this dialog will be available for the widget in view mode.

Tips:

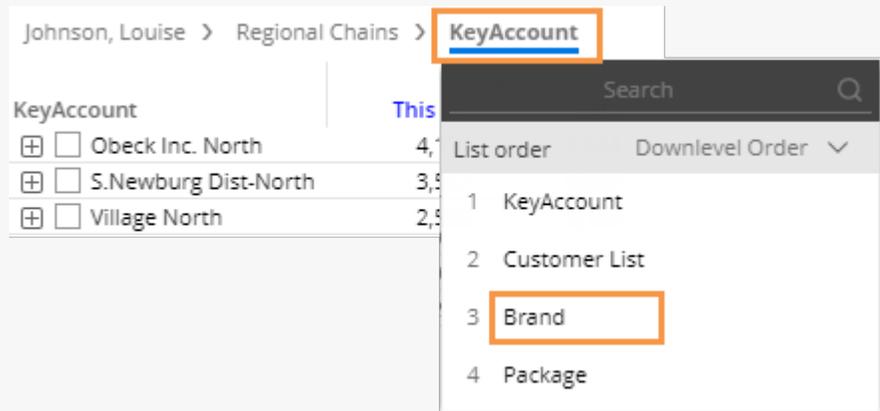
If the desired By is not listed, you may need to change the data cube using the drop-down menu in the context panel.



Tips:

You can swap a By in the Group By dialog by clicking the original dimension in the right pane, placing your cursor over a different dimension in the left pane, and clicking the arrow button. If you don't select a dimension in the right pane, this swaps the 1st By.

Users can also click the breadcrumb path at the top of the widget to change the By in edit mode and view mode. The dimensions are limited to those selected in the Group By dialog. Only Power Viewer users can select the By in view mode.



You can search for a dimension by entering its first few characters at the top of the dialog.

Filter By

In non-comparative widgets (Trend, Gauge, Waterfall, etc.), data is aggregated rather than grouped by a dimension. Therefore, instead of a Group By, a Filter By is available in edit mode to let you select what widget filters can be created (in the widget's filter dialog). The Filter By selections affect edit mode and view mode.

To make widget filters available (in non-comparative widgets)

1. Click on the widget and then click on **Filter By** in the toolkit.
2. In the dialog, check the box(es) of the dimensions for which widget filters will be allowed.

The screenshot shows the 'Filter By' dialog box with the following content:

Available	Key Order	Selected	Default Order
<input type="checkbox"/> Customer		SalesRep	...
<input type="checkbox"/> Customer List		Channel	...
<input type="checkbox"/> Company		KeyAccount	...
<input type="checkbox"/> Region [Customer]		AssignedRoute	...
<input checked="" type="checkbox"/> SalesRep			
<input checked="" type="checkbox"/> AssignedRoute			
<input checked="" type="checkbox"/> Channel			
<input checked="" type="checkbox"/> KeyAccount			
<input type="checkbox"/> ZipCode			
<input type="checkbox"/> City			
<input type="checkbox"/> State			

Buttons: Add All, Clear All, OK, Cancel

Step 5 - Filter

Dashboards provide several ways to filter the data to narrow down on the exact information needed.

The screenshot illustrates a dashboard with a left-hand 'Toolkit' sidebar and a main workspace. The 'Toolkit' sidebar includes sections for 'Workspace', 'Layout Settings', 'Context', and 'Dashboard Settings'. The 'Context' section shows 'Filters 2 Applied'. The main workspace contains two charts: a 'Comparative' bar chart and a 'Trend' line chart. Both charts are filtered by 'Supervisor: MARK LEWIS' and 'Product Name: 30 PACK CANS'. Annotations with arrows point to various filter elements: 'Workspace filter widgets' points to the filter dropdowns in the top left; 'Interactive widget filters' points to the filter icon in the top right of the chart; 'Downlevel filter' points to the 'Product Name' dropdown in the chart header; and 'Workspace filters (no widget)' points to the 'Filters 2 Applied' indicator in the sidebar.

Toolkit

- Workspace
- Layout Settings
- Page Size (px): 1280 x 1024
- Grid Spacing (px): 10
- Background Image: none
- Context
- Filters 2 Applied
- Dashboard Settings

Workspace Filter Widgets:

- Supervisor: All
- Brand Family (Product): BEST BEER FAMILY

Comparative Chart:

Filters: BEST BEER FAMILY, MARK LEWIS, 30 PACK CANS, SUPERMARKET, Product Name

Product Name	Units Sold	Net Revenue
BEST BEER LT 30 PACK CANS	~550	~10k
BEST BEER 30 PACK CANS	~150	~4k

Trend Chart:

Filters: BEST BEER FAMILY, MARK LEWIS, SUPERMARKET, 30 PACK CANS

Units Sold (Y-axis): 560, 1.1k, 1.7k

Step 5 - Filter

The breadcrumb path at the top of the widget shows the filters currently applied to the widget. Just click on a filter in the breadcrumb path to edit or remove it. The breadcrumb path does not show filters based on collections or user account rights. However, you can place your cursor over the title bar to see a tooltip that includes all filters.

The screenshot shows a widget titled "Comparative" with a breadcrumb path: NY | BEST BEER FAMILY | 30 PACK CANS | BEST BEER LT | BRET BURTON > SUPERMARKET > Customer Name. Below the breadcrumb path, there are four callout boxes with arrows pointing to specific parts of the widget:

- Workspace filters**: Points to "NY | BEST BEER FAMILY".
- Widget filters**: Points to "30 PACK CANS | BEST BEER LT".
- Downlevel filters**: Points to "BRET BURTON > SUPERMARKET >".
- Group By (in widgets that compare members)**: Points to "Customer Name".

The widget also displays a table with columns: Customer Name, Units Sold, This, and Last. The data rows are:

Customer Name	Units Sold	This	Last
1 419			913
S # 1 1365	288		520
PURPLES' # 1 658	234		26

You can also access filters by clicking the filter button at the top of the widget.

The screenshot shows a widget with a filter button (a funnel icon) highlighted. Clicking the filter button opens a "Filters" dialog box. The dialog box has a "Create a filter" input field and is divided into three sections:

- Downlevels**: Channel (Customer) with a "SUPERMARKET" filter.
- Widget Filters**: Package (Product) with a "30 PACK CANS" filter.
- Workspace Filters**: Supervisor (Customer) with an "ITHACA" filter and Brand Family (Product) with a "BEST BEER FAMILY" filter.

An "OK" button is located at the bottom right of the dialog box.

Pre-configured filters

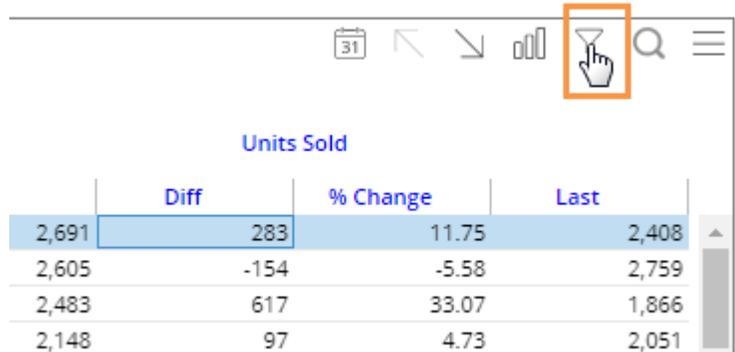
Your administrator may apply filters (via password collections and other methods) to filter the data available to you. If your account has a conditional password collection applied, then the data may be filtered in some views and not filtered in others. For example, the data may be filtered for customer-level details but summary-level views may be allowed. For more information, contact your system administrator.

Interactive widget filters

Interactive widget filters let users create filters based on pre-set dimensions. Users can select any members within those dimensions to view the corresponding data. Widget filters are available in view mode and edit mode.

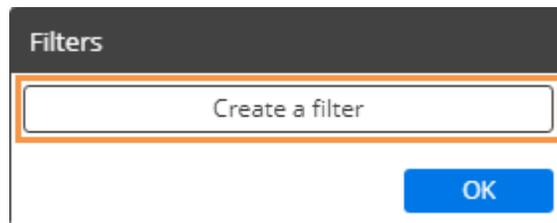
To create a widget filter

1. Click the filter button at the top of the widget (visible on mouseover).

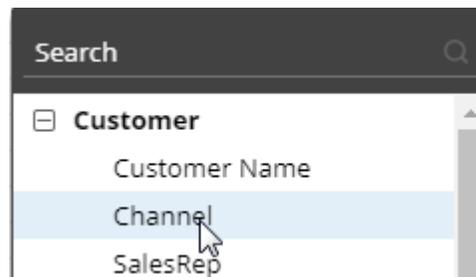


	Diff	% Change	Last
2,691	283	11.75	2,408
2,605	-154	-5.58	2,759
2,483	617	33.07	1,866
2,148	97	4.73	2,051

2. In the pop-up dialog, click **Create Filter**.



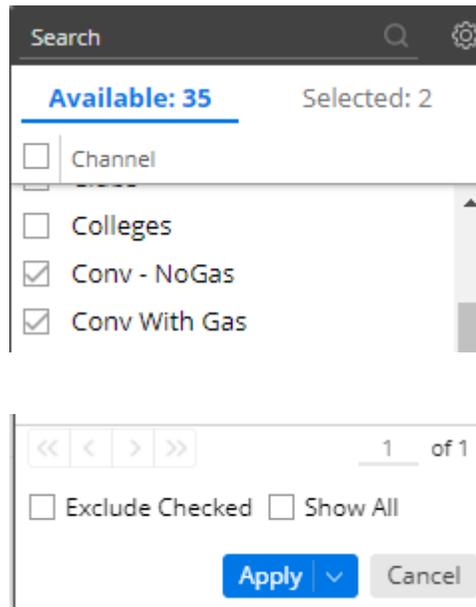
3. Select the dimension for which to create a filter. Only dimensions selected in edit mode (under Group By/Filter By) are available as widget filters.



Step 5 - Filter

To create a widget filter

4. Checkmark the desired member(s).
5. Click **Apply** to apply the filter to the selected widget only, or click the drop-down arrow and select **Apply to Workspace** to apply the filter to all widgets in the dashboard.

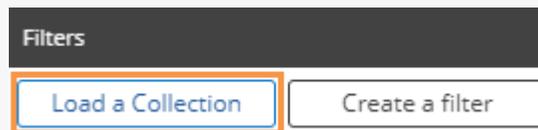


Tips:

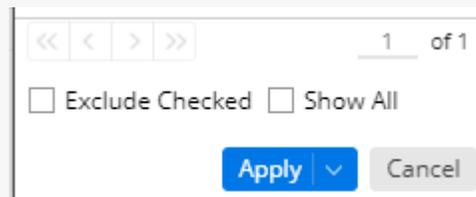
If the widget has checked members, then an option appears in the Filters dialog (Step 2) to let you filter based on the checked members.



In edit mode, you also have the option of applying a collection as a filter to the widget (Step 2).



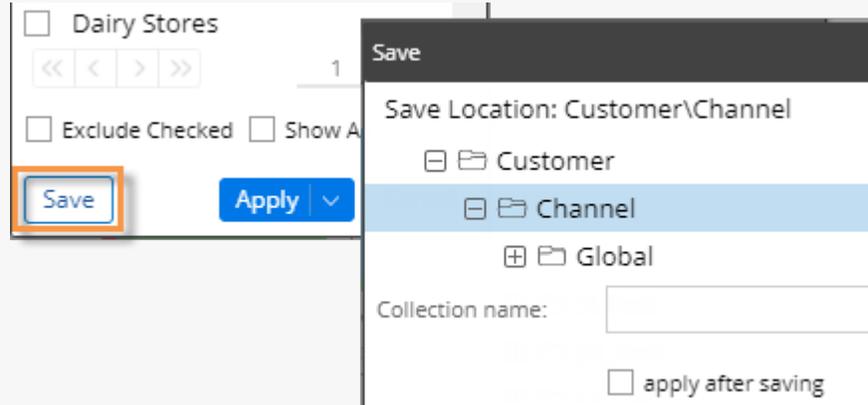
By default, the Search dialog (Step 4) shows only members with data in the current context. If you wish, you can check **Show All** to list all members.



The **Exclude Checked** option lets you show data for all members except the selected members.

Tips:

In edit mode, you can save the selected members as a collection so that you can easily re-use the filter selection. Click the **Save** button at the bottom of the Search dialog, and then select a name and location for the collection.

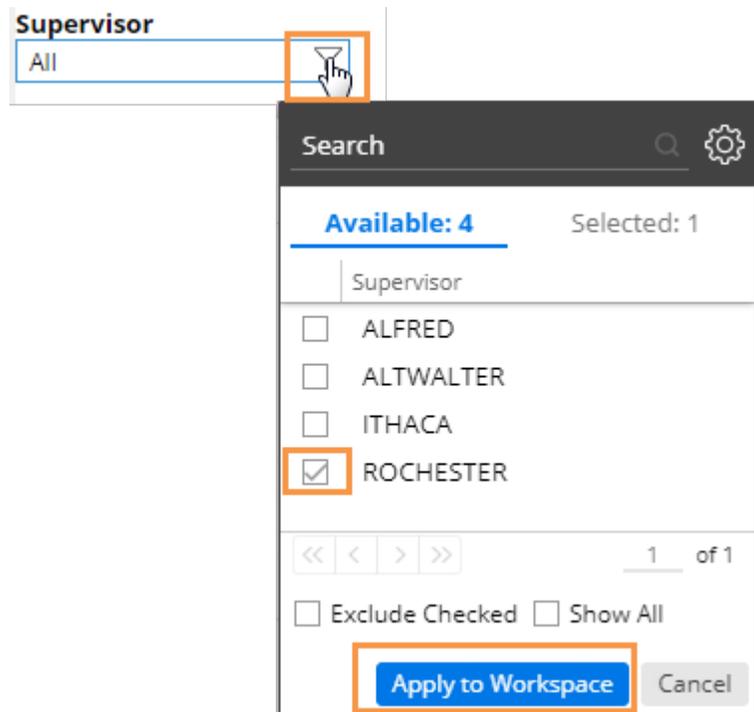


Workspace filter widgets

A workspace filter widget is an interactive menu that can be added to the dashboard to allow users to select the members to view. This type of filter affects all widgets in the dashboard by default. Workspace filter widgets are added in edit mode.

To select from a workspace filter widget

1. Click the filter button on the filter widget.
2. In the dialog, place a check beside all members for which you want to see data.
3. When you are finished, click **Apply to Workspace**.



Step 5 - Filter

Tips:

To quickly clear a workspace filter (i.e. view data for All), you can click the **X** button on the right side of the filter.

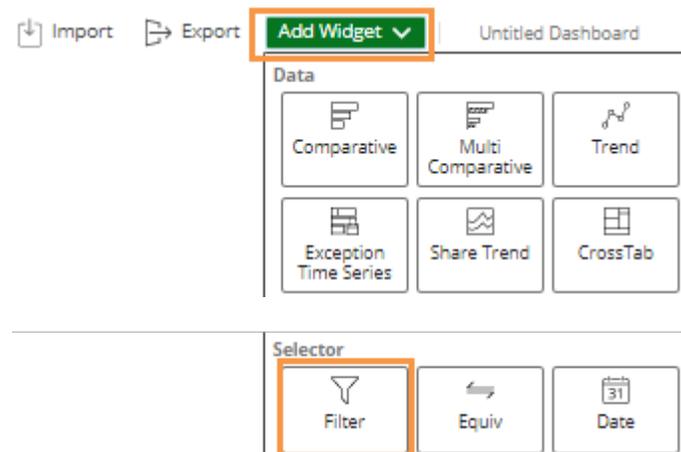


By default, the dialog only shows members with data in the current context. You can click **Show All** in the dialog to list all members.

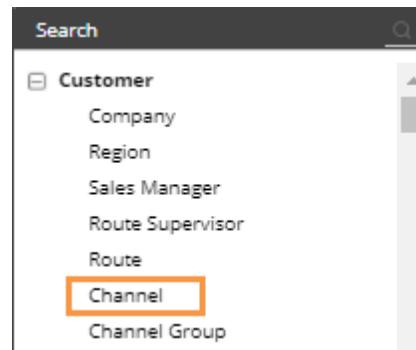
If the dashboard has multiple workspace filters, then all of the filters (including workspace filter widgets and workspace filters without a separate menu) affect each other (i.e., they filter the available members in other filters). Therefore, you may need to change a filter to All in order to select a member from another filter.

To add a workspace filter

1. Click the **Add Widget** button at the top of the screen.
2. Click and drag Filter onto the workspace.



3. In the pop-up window, select the dimension for which to create a filter.



4. If you want the workspace filter to open to a default member(s) when users open the dashboard, make selections (see page 35) in the filter before saving. Otherwise, the workspace filter will open to All.



Tip:

By default, all widgets use all of the applicable workspace filters included in the dashboard; however, you can turn off workspace filters for a specific widget, by clearing the **Use Workspace Filters** setting in the widget's general settings.

Workspace filters (no widget)

You can apply a filter to the workspace (i.e., all widgets in the dashboard) without a separate filter widget. When created in edit mode, the filter can be based on any dimension. When created in view mode, the filter can be based on any of the "Group By" dimensions.

To apply a filter to the workspace (edit mode; any dimension)

1. Click on the workspace to select it.
2. Expand the Context area of the toolkit.
3. Click on Filters.
4. In the pop-up dialog, click **Create a filter** to select members from a dialog (see below) or click **Load Collection** to filter based on a collection.

The screenshot shows the dashboard editor interface. On the left, the 'Context' menu is expanded, and the 'Filters' option is highlighted with an orange border. A blue callout box with an arrow points to the workspace area, labeled 'Click the workspace'. The 'Filters' dialog box is open, showing a list of collections with checkboxes and counts. The 'Create a filter' button is highlighted.

Collection	Count
#INDEPENDENT	23,4
ALBERTSON'S	9,8
WAL-MART	9,0
SAFEWAY	6,6

5. Select the dimension for which to create a filter.

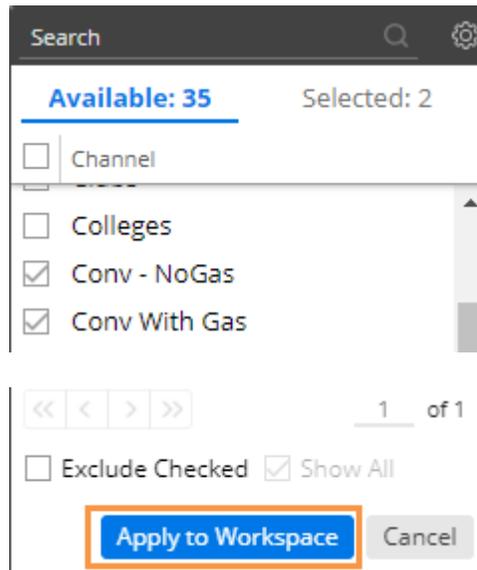
The screenshot shows the 'Search' dialog box with a search bar and a list of dimensions. The 'Customer' category is expanded, and the 'Channel' dimension is selected.

Dimension
Customer Name
Channel
SalesRep

Step 5 - Filter

To apply a filter to the workspace (edit mode; any dimension)

6. Select the desired member(s).



7. Click **Apply to Workspace**.

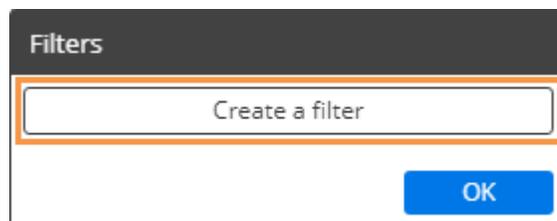
To apply a filter to the workspace (view or edit mode; only available for "Group By" dimensions)

1. Click the filter button at the top of any widget (visible on mouseover).

Units Sold

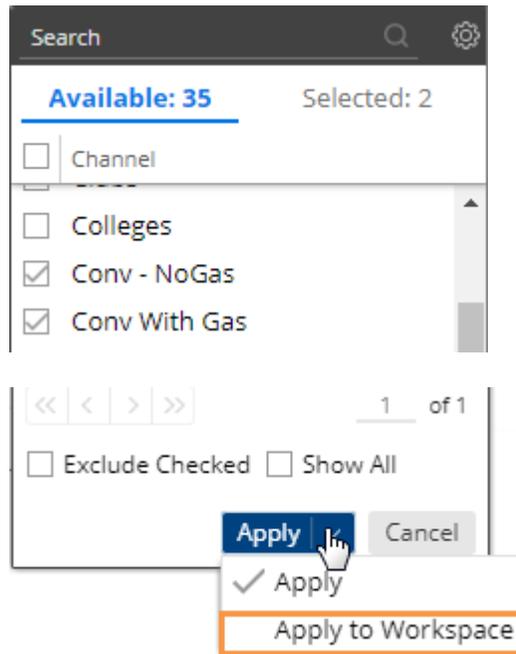
	Diff	% Change	Last
2,691	283	11.75	2,408
2,605	-154	-5.58	2,759
2,483	617	33.07	1,866
2,148	97	4.73	2,051

2. In the pop-up dialog, click **Create Filter**.



To apply a filter to the workspace (view or edit mode; only available for "Group By" dimensions)

3. Checkmark the desired member(s).



4. At the bottom of the dialog, click the drop-down arrow and select **Apply to Workspace**.

Tip: If the widget has checked members, then another option appears in the Filters dialog to let you filter based on the checked members.



Drill down

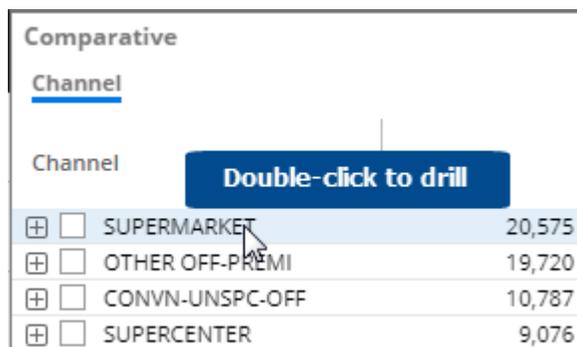
You can drill down on one or more members to filter the data in a widget. When you drill, Salient Dashboards adds a downlevel filter to the breadcrumb path.

Drilling is only available in data widgets that include multiple Group By dimensions (configured in edit mode).

To drill down on a single member

Double-click on the row, bar, pie slice, etc., representing that member.

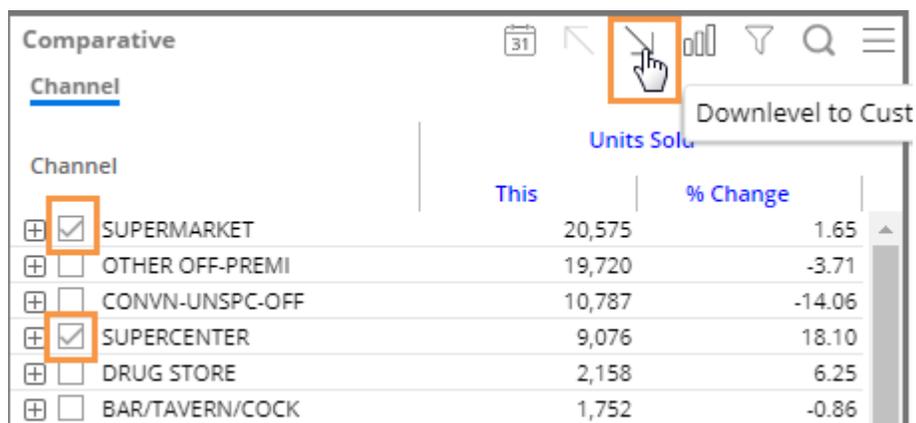
Tip: You can also drill by clicking on a member to select it and then clicking the  button at the top of the widget.



Comparative		
Channel		
Channel		
<input checked="" type="checkbox"/> SUPERMARKET		20,575
<input type="checkbox"/> OTHER OFF-PREMI		19,720
<input type="checkbox"/> CONVN-UNSPC-OFF		10,787
<input type="checkbox"/> SUPERCENTER		9,076

To drill down on a multiple members

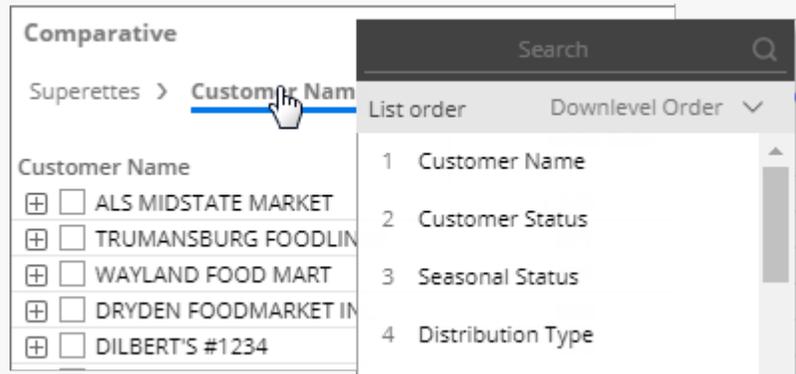
1. Check the desired members in a grid.
2. Click  on the title bar at the top of the widget.
3. If a drop-down appears, select **Drill into Checked Rows**.



Comparative		
Channel		
Channel	This	% Change
<input checked="" type="checkbox"/> SUPERMARKET	20,575	1.65
<input type="checkbox"/> OTHER OFF-PREMI	19,720	-3.71
<input type="checkbox"/> CONVN-UNSPC-OFF	10,787	-14.06
<input checked="" type="checkbox"/> SUPERCENTER	9,076	18.10
<input type="checkbox"/> DRUG STORE	2,158	6.25
<input type="checkbox"/> BAR/TAVERN/COCK	1,752	-0.86

Tips:

When you drill, the By becomes what was previously the 2nd By. For flexible drilling, you may be able to change the By and/or downlevel order as you drill (edit mode or Power Viewer only).



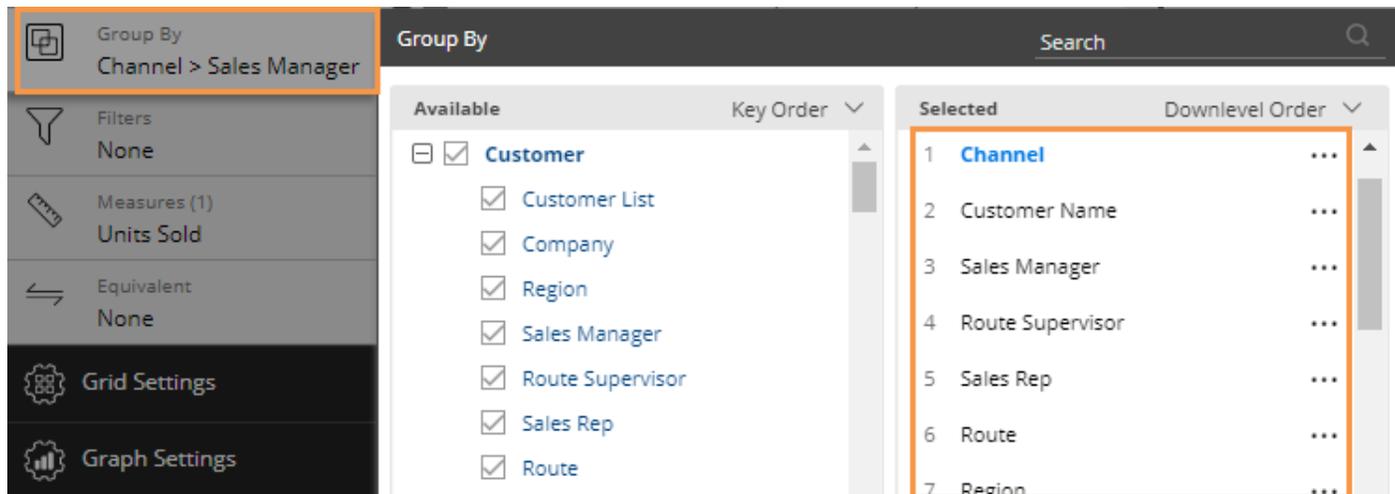
After you have drilled down, you can drill back up at any time by clicking  on the widget toolbar.

If the dashboard has a workspace filter for the "drilled" dimension, then drilling turns on the corresponding workspace filter and, therefore, may affect other widgets in the dashboard.

If a custom drill-down is configured, drilling down may take you to another dashboard with the downlevel filters applied.

Allow drilling in view mode

If you add multiple Group By dimensions (see page 27), viewers can drill down (see page 40) in view mode; therefore, the Group By should include all possible dimensions on which users should be able to drill. In addition, the Group By order controls the default drill down order. This setting is applied per widget. (Group By dimensions are not required for custom drill-downs (see page 70)).



Drilling capabilities in view mode may be different depending on the user's licensing.

Licensing	Description
Power Viewer	<p>Users can change the By as they drill, which allows them to follow a flexible drill path within any of the Group By dimensions.</p>
Regular Viewer	Users must follow the preset drill path set in the Group By dialog.

Tip: Users cannot drill in non-comparative widgets (e.g., Trend, Gauge, etc.); instead, they can add filters if enabled in the **Filter By** area.

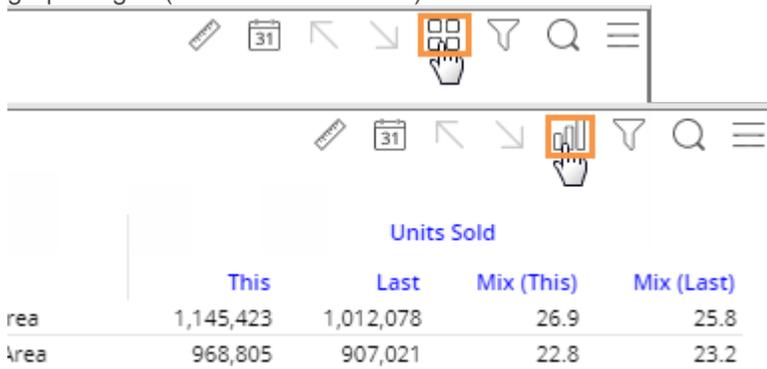
Step 6 - Customize

Switch between grid and graph formats

Various grid and graph formats are available for each analysis type. Users can also follow these same methods in view mode to switch between grids and graphs. Your selection prior to saving will be the default when users open the dashboard.

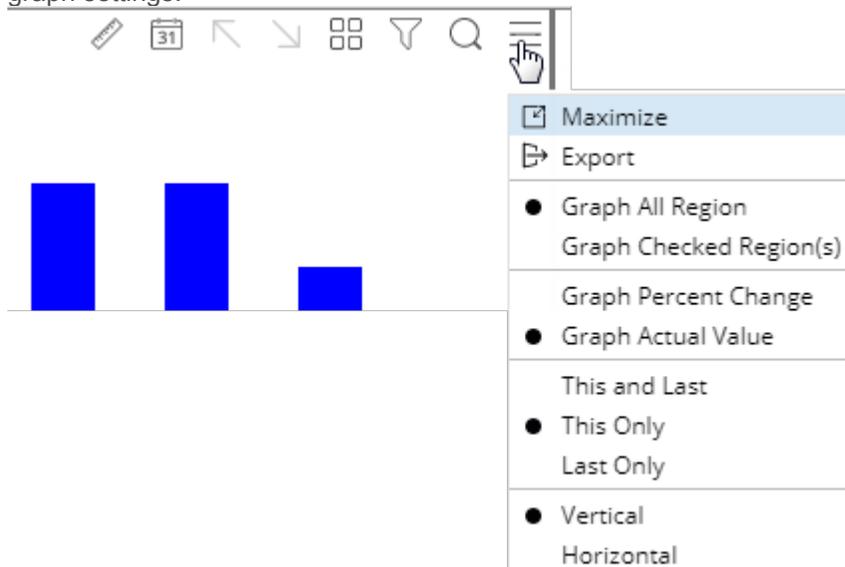
To switch between a grid and a graph

On the title bar of the widget, click  (visible on mouseover) to change from grid to graph or  to change from graph to grid (i.e. table of numbers).



To select a graph format

For graphs, click  in the upper-right corner of the widget (visible on mouseover) to select from available graph formats for the analysis type (e.g. percent change, actual value, bar, pie, etc.). Additional options are available in graph settings.



Sort

To sort

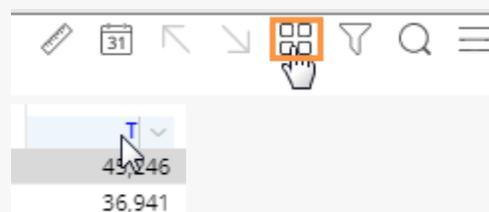
1. Place your cursor over the heading or subheading of the column by which you want to sort.
2. Click the drop-down arrow that appears.
3. In the pop-up menu, select Sort Ascending or Sort Descending.

Units Sold				This
Last	Diff	% Char		
66,844	-21,598	-32	↑	Sort Ascending
50,624	-13,683	-27	↓	Sort Descending
112	193	172		

Tips:

To sort a graph, switch to the grid format and then perform these same tasks; then switch back to the graph.

You can also click a heading to sort; click again to reverse the sort order.

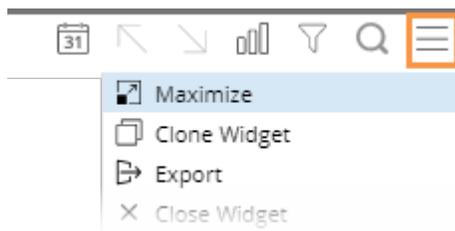


Sorting is available in the following widgets:

- In widgets that compare members, you can sort by values, difference, percent change, etc.
- In Trend widgets, you can sort by date (ascending/descending) or by data (e.g., rank months by volume).

Widget settings menu (edit and view modes)

You can click  in the upper-right corner of a widget (visible on mouseover) to access several options. The available options depend on your rights, whether you are in view or edit mode, and the widget type.

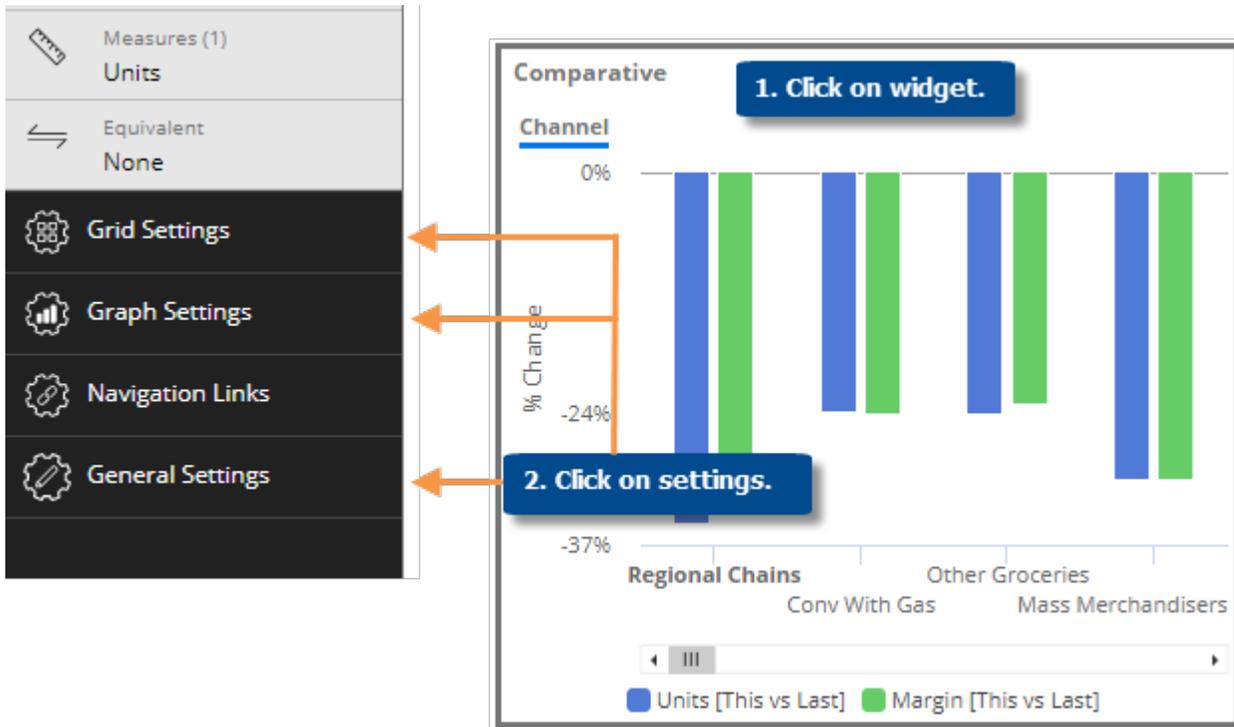


-  - Maximize - Enlarges the widget to the maximum extent of the dashboard.
-  - Restore Down - Returns a maximized widget to its original size.
-  - Clone Widget - Create a widget exactly like the original.
-  - Export
-  - Close Widget
- Graph Percent Change or Actual Value (affects graphs only)
- This and Last, This Only, Last Only (affects graphs only)

- Axis Shuttle (affects graphs only; select which measures to plot along each axis)
- Doughnut, Funnel, Pie, Stacked Area, Line, etc. (i.e., graph type)

Grid, graph, and general widget settings

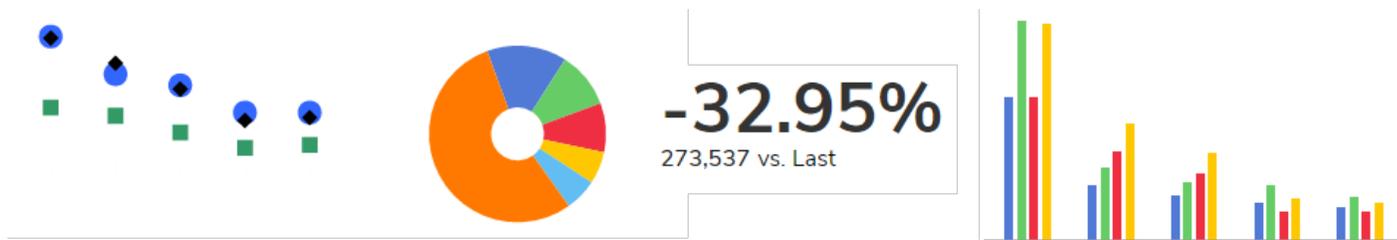
In edit mode, you can configure several widget options by clicking on the widget and then clicking one of the settings areas in the toolkit.



Area	Settings
Grid Settings	Grid page size, show/hide totals, grid types (e.g., scorecard), etc.
Graph Settings	Graph page size; orientation; show/hide legend, axis, labels; visual options, etc.
General Settings	Widget title, size, position, transparency, enable/disable options for view mode, etc.

Simplified widgets

In settings (located in the toolkit), you can turn off the legend, axis labels, and more, to create simplified widgets (for example, mini-widgets for optimal display on smaller devices).



Simplified widget settings

⚙️ Grid Settings

Show Grid Toolbar

In grid settings:

Clear the toolbar option. This will hide the paging toolbar at the bottom of the widget.

📊 Graph Settings

✂️ Visual Options

Show Graph Toolbar

Hide Legend

Hide X Axis

Hide Y Axis

In graph settings:

Clear the toolbar option. This will hide the paging toolbar at the bottom of the widget.

Hide the legend, x axis, and y axis.

⚙️ General Settings

Title:

Transparent

Show Border

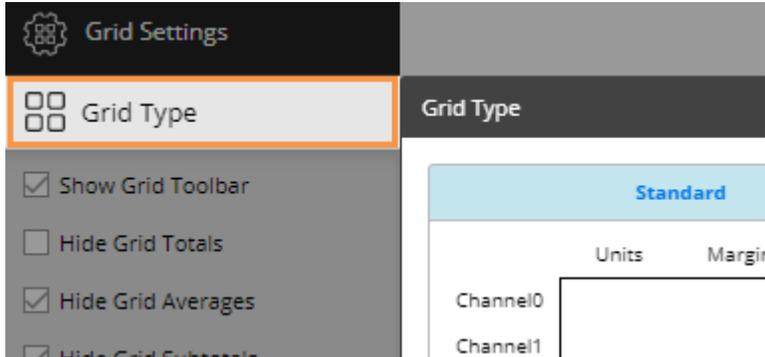
In general settings:

Turn on transparency.

Clear the border option (i.e., hide the border).

Grid types

You can select from the following grid types by opening the grid settings area of the toolkit and clicking Grid Type. The available types depend on the selected widget.



Grid type	Example																													
Standard - default row and column layout	<table border="1"> <thead> <tr> <th rowspan="2">Region</th> <th colspan="4">Units Sold</th> </tr> <tr> <th>This</th> <th>Last</th> <th>Diff</th> <th>% Change</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> SouthEast Area</td> <td>1,145,423</td> <td>1,012,078</td> <td>133,345</td> <td>13.18</td> </tr> <tr> <td><input type="checkbox"/> SouthWest Area</td> <td>968,805</td> <td>907,021</td> <td>61,784</td> <td>6.81</td> </tr> <tr> <td><input type="checkbox"/> East Area</td> <td>896,578</td> <td>835,065</td> <td>61,513</td> <td>7.37</td> </tr> <tr> <td><input type="checkbox"/> NorthWest Area</td> <td>887,050</td> <td>822,603</td> <td>64,447</td> <td>7.83</td> </tr> </tbody> </table>	Region	Units Sold				This	Last	Diff	% Change	<input type="checkbox"/> SouthEast Area	1,145,423	1,012,078	133,345	13.18	<input type="checkbox"/> SouthWest Area	968,805	907,021	61,784	6.81	<input type="checkbox"/> East Area	896,578	835,065	61,513	7.37	<input type="checkbox"/> NorthWest Area	887,050	822,603	64,447	7.83
Region	Units Sold																													
	This	Last	Diff	% Change																										
<input type="checkbox"/> SouthEast Area	1,145,423	1,012,078	133,345	13.18																										
<input type="checkbox"/> SouthWest Area	968,805	907,021	61,784	6.81																										
<input type="checkbox"/> East Area	896,578	835,065	61,513	7.37																										
<input type="checkbox"/> NorthWest Area	887,050	822,603	64,447	7.83																										
Swapped - switches rows and columns	<table border="1"> <thead> <tr> <th>Region</th> <th>SouthEast Area</th> <th>SouthWest Area</th> </tr> </thead> <tbody> <tr> <td>This</td> <td>1,145,423</td> <td>968,805</td> </tr> <tr> <td>Last</td> <td>1,012,078</td> <td>907,021</td> </tr> <tr> <td>Diff</td> <td>133,345</td> <td>61,784</td> </tr> <tr> <td>% Change</td> <td>13.18</td> <td>6.81</td> </tr> </tbody> </table>	Region	SouthEast Area	SouthWest Area	This	1,145,423	968,805	Last	1,012,078	907,021	Diff	133,345	61,784	% Change	13.18	6.81														
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Visual options

To customize a graph, you can make the following selections in the **Visual Options** area. These options depend on the widget type. To access these options, click on Graph Settings in the toolkit and then click Visual Options. Then click in the column/row of the item you want to customize.

Graph Settings

Visual Options

Chart Visual Options

Series	Type	Color	Style	Size
Units Sold (This)	Column	●●●	N/A	80%
Units Sold (Last)	Column	●●●	N/A	80%
Net Revenue (This)	Marker	●	●	4px
Net Revenue (Last)	Marker	●	●	4px
Average Volume		■	---	2px

Tip: ●●● = automatically selected color
●●● = use highlight settings

Tip: In the color selection area, check this box to turn on highlighting in the graph. Click the Highlight Settings button to configure highlight settings.

Reference Lines

Show All

Custom Reference Line

Use Highlight Settings **Highlight Settings**

Hex Value:

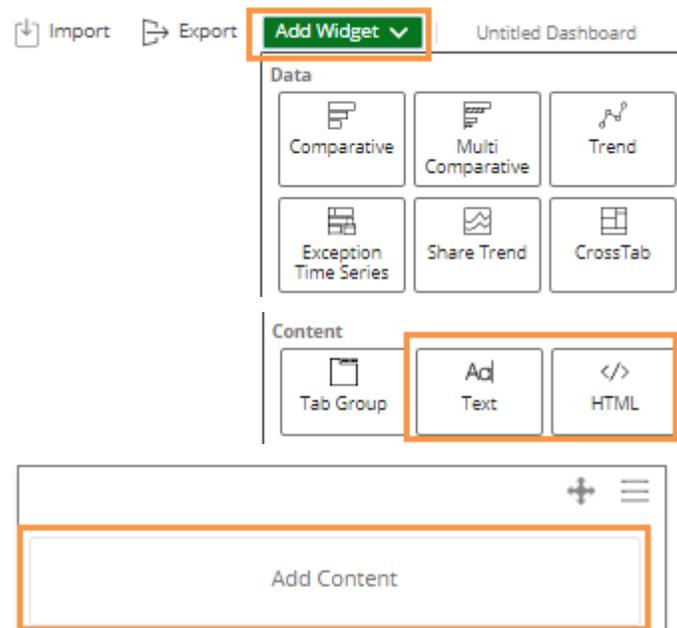
Text and HTML widgets

Text and HTML widgets show text or other content. These widgets can include hyperlinks and embedded content from other web pages. The only difference between HTML and text widgets is that the default editor is source (i.e., code) mode for HTML widgets and WYSIWYG mode (i.e., formatting controls) for content widgets; however, you can switch between these modes for both types of widgets.

Due to the flexibility of text and HTML content widgets, we cannot guarantee their appearance, especially for information pasted into the editor, on all browsers. As always, you should preview a dashboard before publishing it.

To add a text or HTML widget

1. Click the **Add Widget** button at the top of the screen.
2. In the pop-up window, click and drag Text or HTML onto the workspace, depending on your preferred edit mode (WYSIWYG for text or source code for HTML).
3. Click **Add Content** in the widget, or click the  button at the top of the widget and then select **Edit**.



5. Depending on the edit mode, enter text or HTML code into the **Content Editor**. To switch between modes, click  on the Content Editor toolbar.

Content Editor (WYSIWYG mode):



Content Editor (source edit mode):

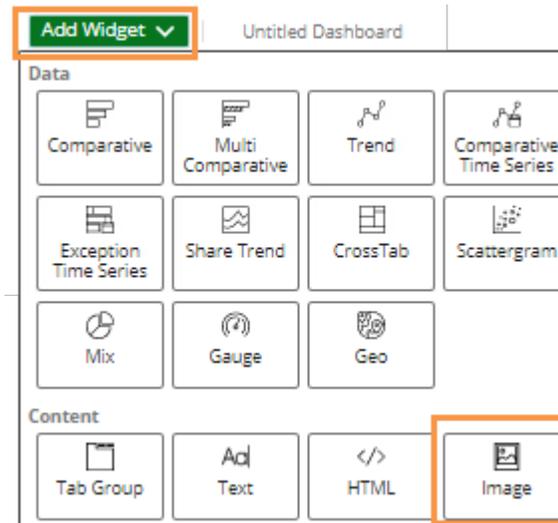


Image widgets

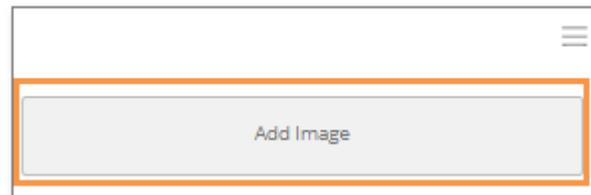
Image widgets allow you to add images to a dashboard. The Image Manager stores all images used in dashboards and allows all Saliient Dashboards users to upload and access them while in edit mode.

To add an image

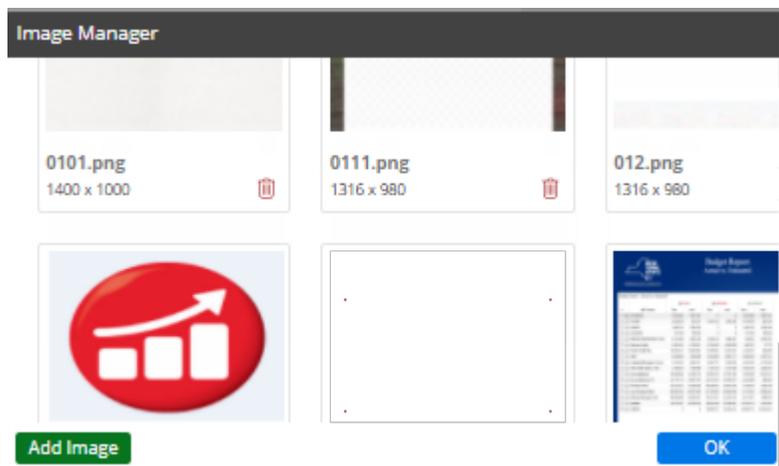
1. Click the **Add Widget** button at the top of the screen.
2. In the pop-up window, click and drag Image onto the workspace.



3. Click **Add Image** in the widget, or click the  button at the top of the widget and then select **Edit**.

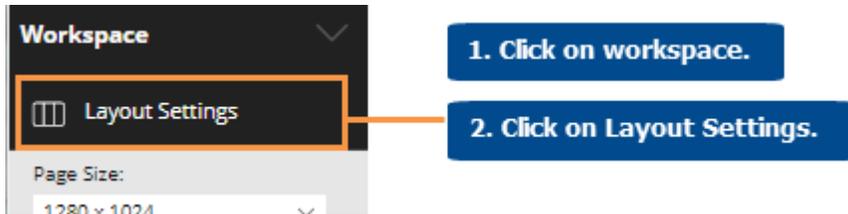


4. In the Image Manager, select an image or click Add Image to upload a new image. The image file type must be supported by the web browser used.
5. Click OK.



Layout settings

Layout settings allow you to control the dashboard size, workspace grid spacing, and background image. To access layout settings, select the workspace (i.e., not a widget) and go to Layout Settings the toolkit.

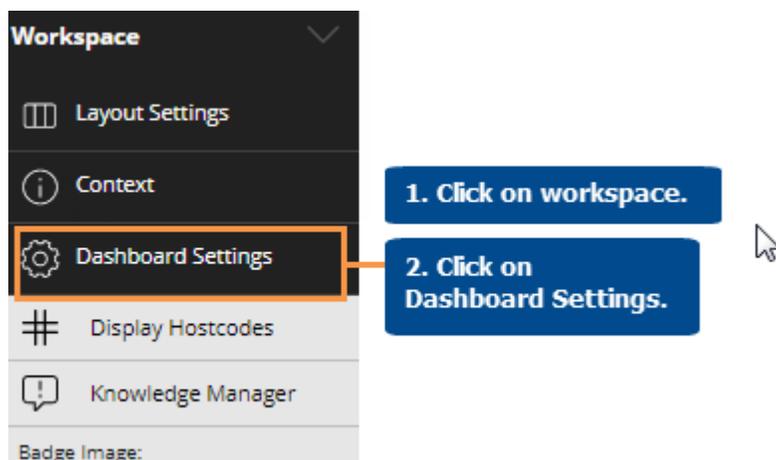


Setting	Explanation
Page size	Select the width and height in pixels of the dashboard.
Grid spacing	Salient Dashboards snaps widgets to a grid when you move or resize them. Enter the Grid Spacing (i.e., number of pixels between grid points).
Background image	Optionally, select a background image for the dashboard. Otherwise, the background is white. The dashboard will repeat the background image for the dashboard page size.

Tip: If you want to reuse layout settings in new dashboards, you can apply the desired settings to a blank dashboard and then set that dashboard as the home dashboard so that new dashboards will use the settings.

Dashboard settings

Dashboard settings allow you to control a variety of options for the dashboard, such as a badge image, available export options, etc. To access dashboard settings, select the workspace (i.e., not a widget) and go to Dashboard Settings the toolkit.



Setting	Explanation
Display Hostcodes	If you wish, you can display dimension member codes along with or instead of their descriptions throughout Salient Dashboards.
Knowledge Manager	Click Knowledge Manager to select settings for the Knowledge Manager panel.
Badge Image	Optionally, select an image to represent the dashboard in the dashboard portal. Otherwise, the portal displays a general image based on the upper-left widget type as the dashboard thumbnail.
Export	Select the format for exporting data when the user clicks the Export button  on the title bar of a widget. In addition to this setting, you can disable exporting for any widget in its settings.
Allow Spawning	Check this box if you want users to be able to create new widgets by clicking or double-clicking.
Show Standard Widget Title	Check this box to include the standard text describing the widget's timeframe after the widget title. (The widget title is defined in the widget's general settings.)
Add Cube Name to Data Field	Check this box to display the name of a data cube from which the measure originates in measure headings and the Measures area.

Tip: If you want to reuse dashboard settings in new dashboards, you can apply the desired settings to a blank dashboard and then set that dashboard as the home dashboard so that new dashboards will use the settings.

Step 7 - Save and Share

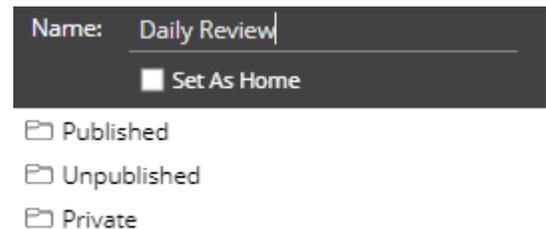
Save and publish dashboards

We recommend saving dashboards frequently to avoid losing any changes.

A dashboard must be published to be available in view mode and the Salient Mobile app. To publish a dashboard, simply save it under the Published folder or one of its subfolders. We recommend previewing a dashboard in view mode (click  View on the toolbar) prior to publishing it.

To save a dashboard

1. On the dashboard toolbar, click Save As to save a new dashboard, or click Save to save changes to an existing dashboard.
2. At the top of the pop-up window, type a dashboard name.
3. In the dashboard tree, select one of the following folders or a subfolder within it. You may need to expand a folder (single-click) in order to see its subfolders.



Published - Select this location to publish the dashboard so that it is available to other users in view mode and the Salient Mobile app.

Unpublished - This option makes the dashboard global so that it is available to other users in edit mode but not in view mode. .

Private - This option makes the dashboard private so that you are the only user who can access it until it is published.

4. Click **OK**.

Tips:

Saving dashboards in Published or Unpublished (i.e., global) folders requires special rights assigned by your administrator.

You can check the **Set as Home** box to make this dashboard the home dashboard for Salient Dashboards.

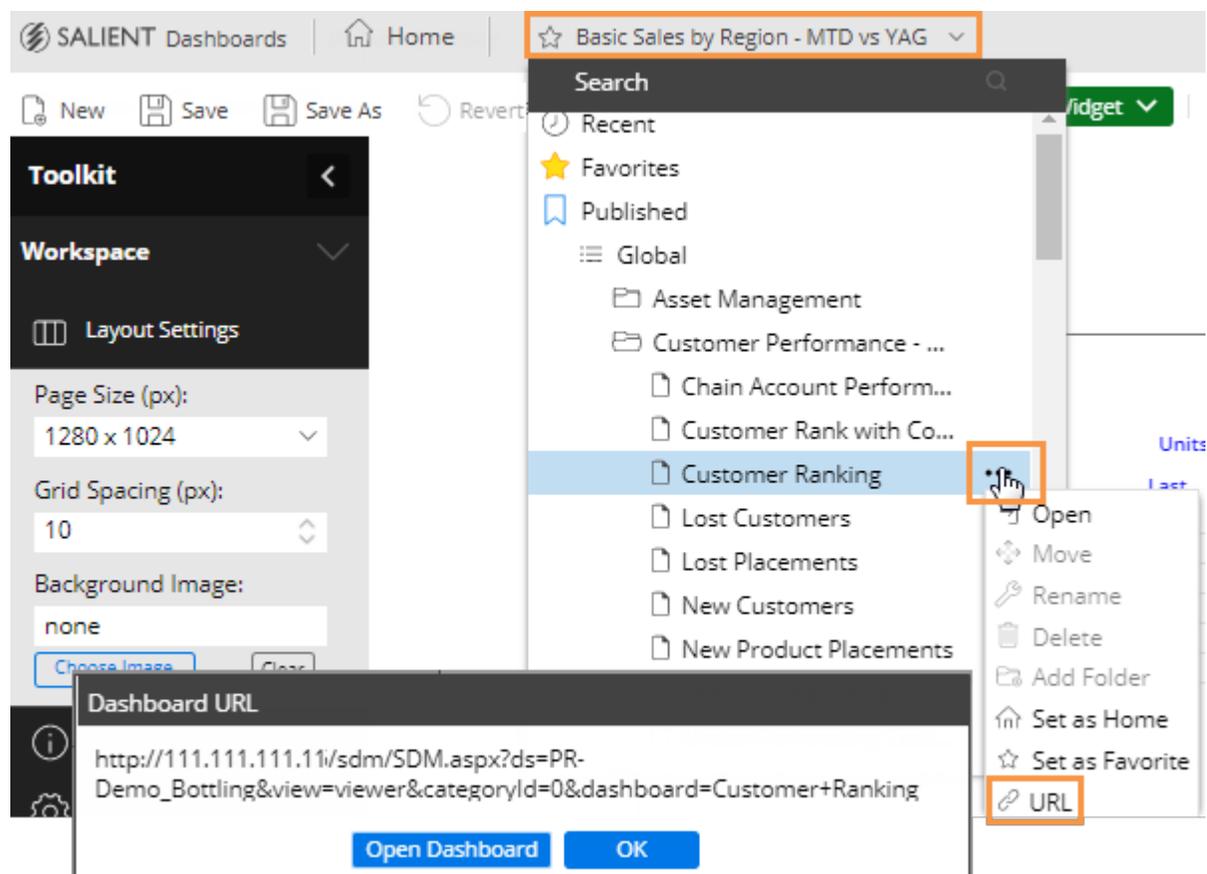
Once a dashboard is published, it is available to users via the dashboard portal, dashboard tree (in view or edit mode), and Salient Mobile app. In addition, you can access the dashboard's URL (see page 54) and then share it with users to allow them to go directly to the dashboard.

Access a published dashboard's URL

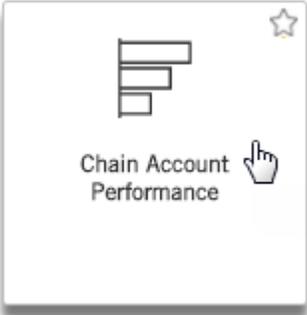
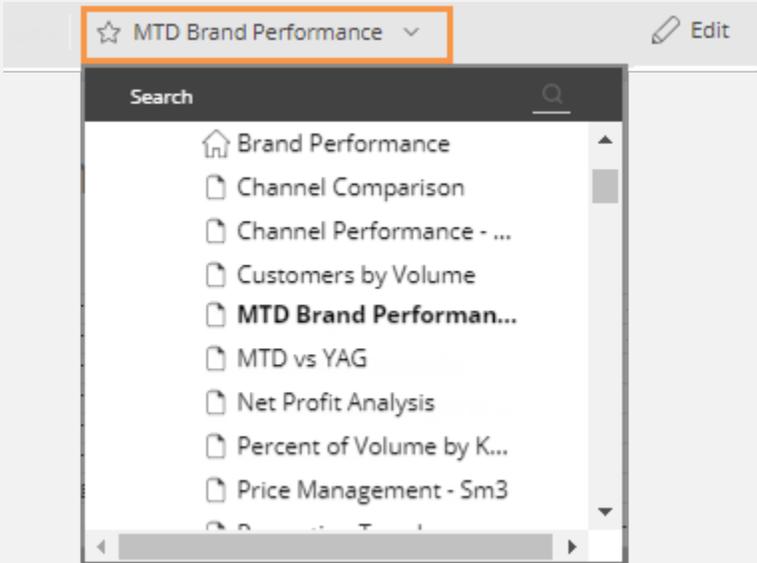
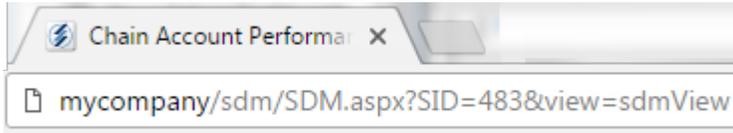
You may want to share the URL of a dashboard with users so that they can access it directly. A dashboard URL also allows you to link to a dashboard from a web page and/or save the dashboard as a bookmark in your browser. For any of these options, you need to know the URL of the dashboard. A dashboard must already be published (see page 53) to access its URL.

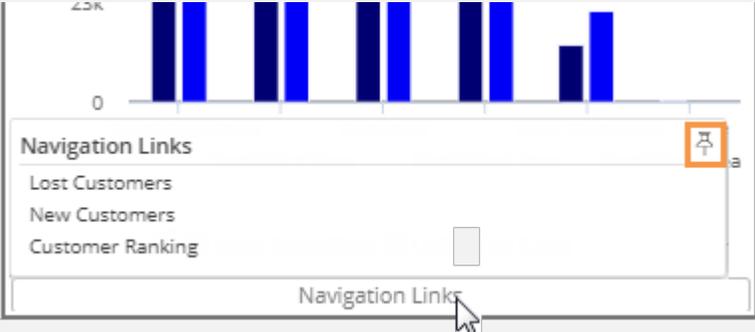
To access a published dashboard's URL

1. Click the drop-down at the top of the screen to open the dashboards menu.
2. Under Published, locate the dashboard and place the cursor over it.
3. Click the ... button that appears.
4. In the pop-up menu, select URL.
5. A dialog shows the URL of the dashboard. You can copy and paste it into an email program or another application.



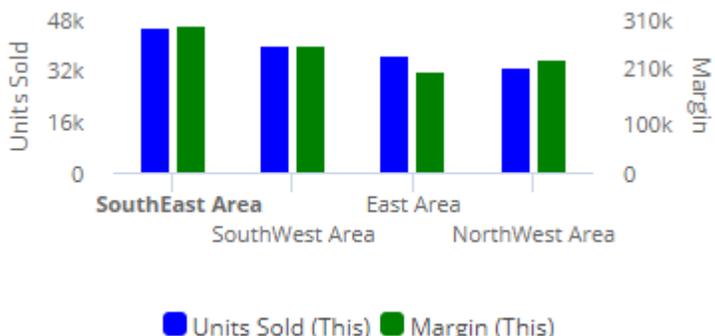
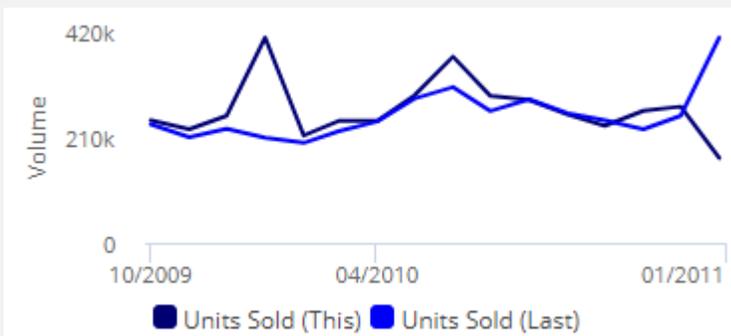
How users can access published dashboards

Option	Explanation
<p>Portal</p> 	<p>Log in and then click on a dashboard icon in the portal (see page 8) to open it in view mode. You can then switch to edit mode if you have the necessary rights.</p>
<p>Dashboards menu</p> 	<ol style="list-style-type: none"> 1. In edit mode or view mode, click the dashboards drop-down button at the top of the screen. If a dashboard is already open, this button displays its name. 2. In the pop-up window, you can search for a dashboard or open a dashboard category and folder to find a dashboard. 3. Click on the dashboard you want to open.
<p>URL</p> 	<p>Go directly to a specific dashboard by entering its URL or marking it as a favorite in your browser. You may be required to log in. Your administrator or other users may share dashboard URLs with you or provide links using other methods such as a web page.</p>

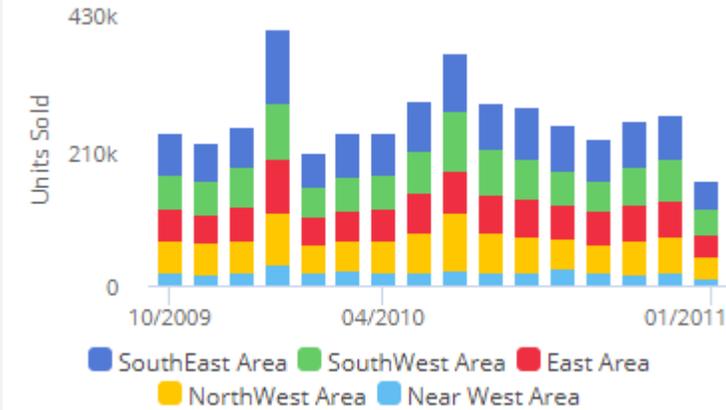
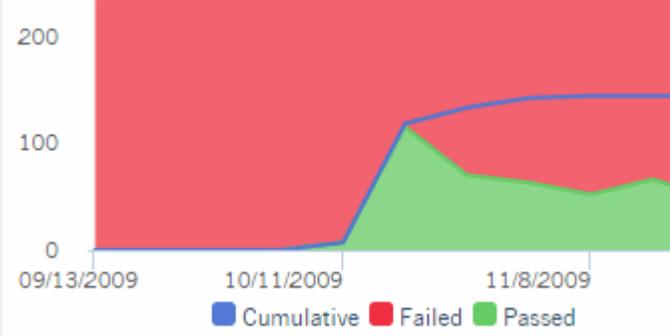
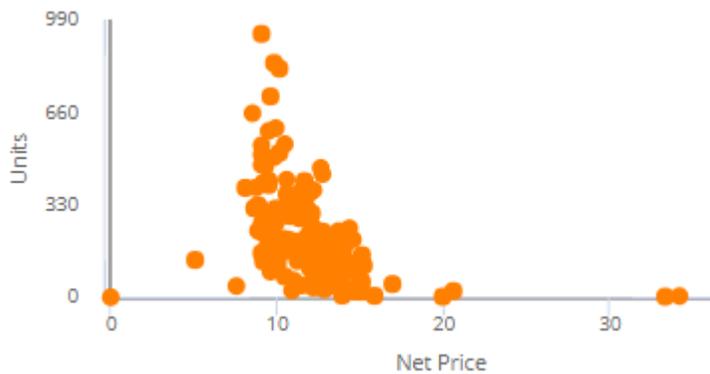
Option	Explanation
<p>Embedded dashboard links</p> 	<p>A widget may have pre-configured links (see page 76) to other dashboards via a button or panel.</p>
<p>Mobile app</p> 	<p>Access dashboards through the mobile app for optimal viewing on mobile devices. Additional installation and setup is required.</p>

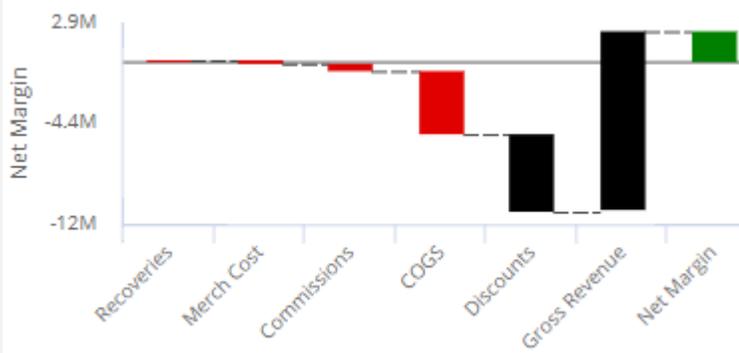
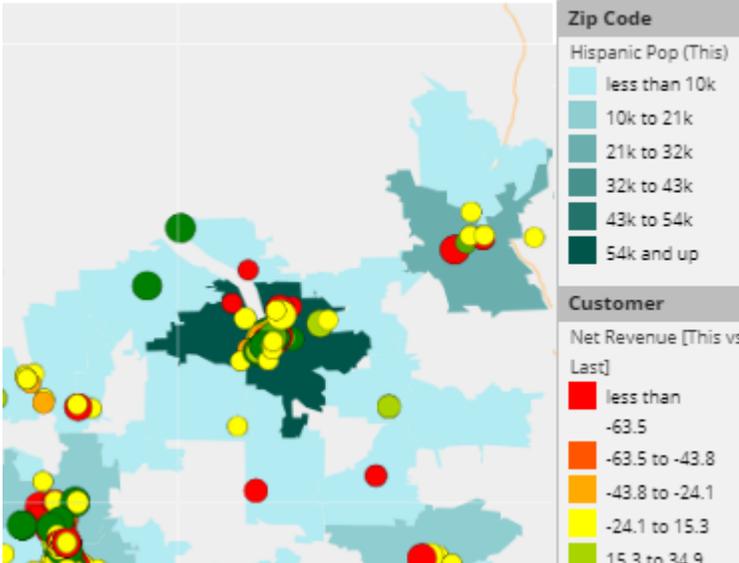
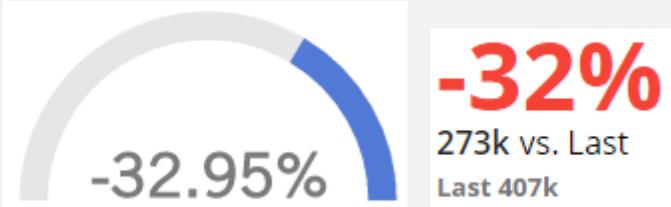
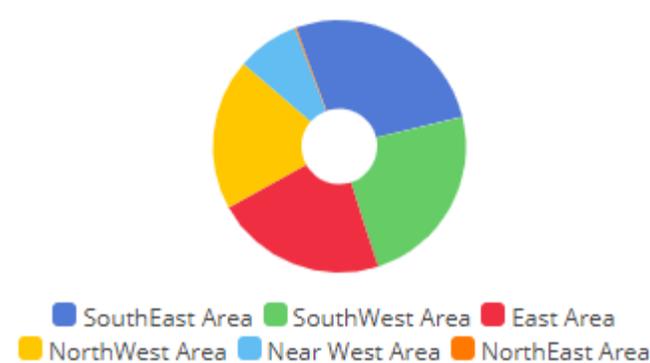
Types of Analysis Widgets

You can choose from various modes of analysis depending on what you want to find out about the data and how you want to display it. Most analysis types are available as either a numbers grid or graph.

Analysis type	Examples																																												
<p> Comparative</p> <p>Comparison of members for one or two date ranges; any number of measures</p>	<table border="1" data-bbox="695 535 1477 892"> <thead> <tr> <th rowspan="2">Region</th> <th colspan="2">Units Sold</th> <th colspan="2">Margin</th> </tr> <tr> <th>This</th> <th>% Change</th> <th>This</th> <th>% Change</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> SouthEast Area</td> <td>45,246</td> <td>-32.31</td> <td>297,062</td> <td>-30.45</td> </tr> <tr> <td><input type="checkbox"/> SouthWest Area</td> <td>40,085</td> <td>-28.63</td> <td>257,388</td> <td>-27.44</td> </tr> <tr> <td><input type="checkbox"/> East Area</td> <td>36,941</td> <td>-27.03</td> <td>204,582</td> <td>-25.29</td> </tr> <tr> <td><input type="checkbox"/> NorthWest Area</td> <td>32,800</td> <td>-37.14</td> <td>228,863</td> <td>-30.93</td> </tr> <tr> <td><input type="checkbox"/> Near West Area</td> <td>13,269</td> <td>-38.08</td> <td>93,752</td> <td>-40.60</td> </tr> <tr> <td><input type="checkbox"/> NorthEast Area</td> <td>305</td> <td>172.32</td> <td>1,997</td> <td>223.62</td> </tr> <tr> <td>Total (6)</td> <td>168,646</td> <td>-31.82</td> <td>1,083,643</td> <td>-29.88</td> </tr> </tbody> </table> 	Region	Units Sold		Margin		This	% Change	This	% Change	<input type="checkbox"/> SouthEast Area	45,246	-32.31	297,062	-30.45	<input type="checkbox"/> SouthWest Area	40,085	-28.63	257,388	-27.44	<input type="checkbox"/> East Area	36,941	-27.03	204,582	-25.29	<input type="checkbox"/> NorthWest Area	32,800	-37.14	228,863	-30.93	<input type="checkbox"/> Near West Area	13,269	-38.08	93,752	-40.60	<input type="checkbox"/> NorthEast Area	305	172.32	1,997	223.62	Total (6)	168,646	-31.82	1,083,643	-29.88
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<p> Comparative Time Series</p> <p>Trend over time for two date ranges; any number of measures</p> <p>Tip: This option in the Add Widget menu adds a Trend widget for two date ranges (This and Last).</p>																																													

Analysis type	Examples																																																
 Crosstab Comparison grid or graph that organizes data by two different attributes (i.e., dimensions)	<table border="1"> <thead> <tr> <th>Region</th> <th>Our Cola</th> <th>Our Neon</th> <th>Our DietCola</th> <th>Our Lemon-Lime</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> SouthEast Area</td> <td>27,332</td> <td>10,090</td> <td>9,316</td> <td>2,650</td> </tr> <tr> <td><input type="checkbox"/> SouthWest Area</td> <td>27,513</td> <td>8,239</td> <td>9,750</td> <td>3,362</td> </tr> <tr> <td><input type="checkbox"/> East Area</td> <td>25,313</td> <td>10,343</td> <td>8,364</td> <td>2,644</td> </tr> <tr> <td><input type="checkbox"/> NorthWest Area</td> <td>23,342</td> <td>9,620</td> <td>7,189</td> <td>2,358</td> </tr> <tr> <td><input type="checkbox"/> Near West Area</td> <td>5,634</td> <td>2,352</td> <td>2,772</td> <td>868</td> </tr> <tr> <td><input type="checkbox"/> NorthEast Area</td> <td>182</td> <td>10</td> <td>32</td> <td>11</td> </tr> </tbody> </table>	Region	Our Cola	Our Neon	Our DietCola	Our Lemon-Lime	<input type="checkbox"/> SouthEast Area	27,332	10,090	9,316	2,650	<input type="checkbox"/> SouthWest Area	27,513	8,239	9,750	3,362	<input type="checkbox"/> East Area	25,313	10,343	8,364	2,644	<input type="checkbox"/> NorthWest Area	23,342	9,620	7,189	2,358	<input type="checkbox"/> Near West Area	5,634	2,352	2,772	868	<input type="checkbox"/> NorthEast Area	182	10	32	11													
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<input type="checkbox"/> NorthEast Area	305	172.32	5,114	8,631																																													
Total (6)	168,646	-31.82	3,366,964	2,995,148																																													
 Trend Trend over time for one or two date ranges for multiple measures <div style="border: 1px solid #ccc; padding: 5px; background-color: #f0f0f0;"> Tip: This option in the Add Widget menu adds a Trend widget for one date range (This). </div>	<p>The chart displays three data series over time from 09/12/2010 to 01/23/2011. The left Y-axis represents Units Sold (0 to 72k), and the right Y-axis represents Total Currency (220k to 660k). The legend indicates: Units Sold (blue line), Net Revenue (black line), and Margin (green line). All three metrics show a similar trend, with a significant peak in late 2010 followed by a decline in early 2011.</p>																																																

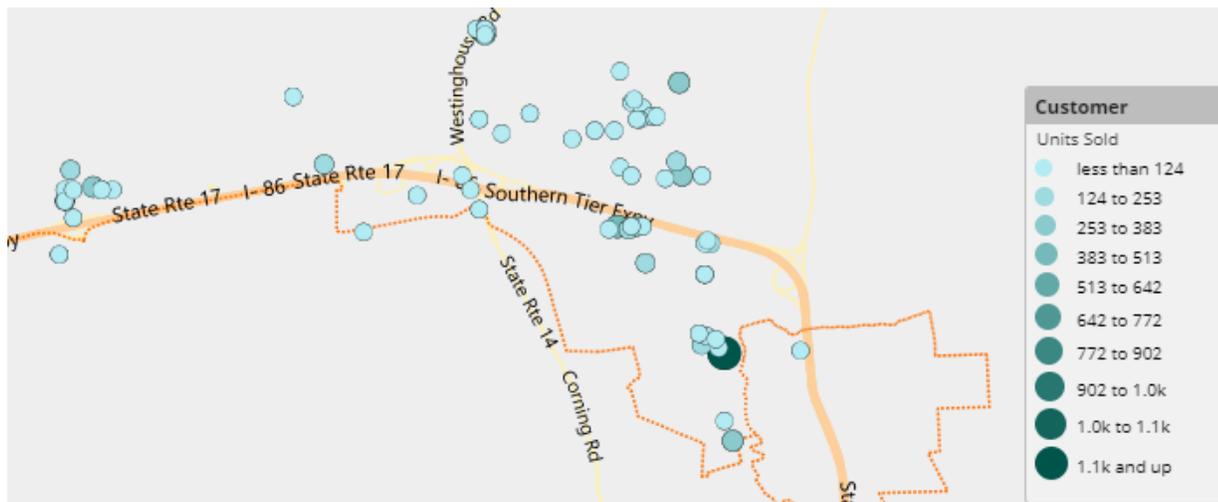
Analysis type	Examples																																																																		
<p> <i>Share Trend</i></p> <p>Comparison trend for multiple members; either actual values or percent of the total for single measure</p>																																																																			
<p> <i>Exception</i></p> <p>Pass and fail of key members for an exception test (e.g., customers with units >=1)</p>	<table border="1" data-bbox="699 737 1448 1066"> <thead> <tr> <th>Channel</th> <th>Totals</th> <th>Passed</th> <th>% Passed</th> <th>Failed</th> <th>% Failed</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> All Othr On Premise</td> <td>1,122</td> <td>69</td> <td>6.1</td> <td>1,053</td> <td>93.9</td> </tr> <tr> <td><input type="checkbox"/> Industrial</td> <td>578</td> <td>206</td> <td>35.6</td> <td>372</td> <td>64.4</td> </tr> <tr> <td><input type="checkbox"/> Schools</td> <td>459</td> <td>206</td> <td>44.9</td> <td>253</td> <td>55.1</td> </tr> <tr> <td><input type="checkbox"/> Recreation</td> <td>444</td> <td>55</td> <td>12.4</td> <td>389</td> <td>87.6</td> </tr> <tr> <td><input type="checkbox"/> Restaurants</td> <td>411</td> <td>161</td> <td>39.2</td> <td>250</td> <td>60.8</td> </tr> <tr> <td><input type="checkbox"/> Fast Food</td> <td>395</td> <td>166</td> <td>42.0</td> <td>229</td> <td>58.0</td> </tr> <tr> <td><input type="checkbox"/> Other Groceries</td> <td>283</td> <td>161</td> <td>56.9</td> <td>122</td> <td>43.1</td> </tr> <tr> <td><input type="checkbox"/> Colleges</td> <td>262</td> <td>28</td> <td>10.7</td> <td>234</td> <td>89.3</td> </tr> <tr> <td><input type="checkbox"/> Bars / Taverns</td> <td>212</td> <td>101</td> <td>47.6</td> <td>111</td> <td>52.4</td> </tr> <tr> <td>Total (38)</td> <td>5,863</td> <td>1,915</td> <td>32.7</td> <td>3,948</td> <td>67.3</td> </tr> </tbody> </table>	Channel	Totals	Passed	% Passed	Failed	% Failed	<input type="checkbox"/> All Othr On Premise	1,122	69	6.1	1,053	93.9	<input type="checkbox"/> Industrial	578	206	35.6	372	64.4	<input type="checkbox"/> Schools	459	206	44.9	253	55.1	<input type="checkbox"/> Recreation	444	55	12.4	389	87.6	<input type="checkbox"/> Restaurants	411	161	39.2	250	60.8	<input type="checkbox"/> Fast Food	395	166	42.0	229	58.0	<input type="checkbox"/> Other Groceries	283	161	56.9	122	43.1	<input type="checkbox"/> Colleges	262	28	10.7	234	89.3	<input type="checkbox"/> Bars / Taverns	212	101	47.6	111	52.4	Total (38)	5,863	1,915	32.7	3,948	67.3
Channel	Totals	Passed	% Passed	Failed	% Failed																																																														
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<p> <i>Scattergram</i></p> <p>Plot of key members (e.g., customers) for two measures to show trends and outliers</p>																																																																			

Analysis type	Examples
<p> <i>Waterfall</i></p> <p>How the components of a calculated measure affect its make-up</p>	 <p>A waterfall chart illustrating the components of Net Margin. The y-axis represents Net Margin in millions, ranging from -12M to 2.9M. The x-axis lists the components: Recoveries, Merch Cost, Commissions, COGS, Discounts, Gross Revenue, and Net Margin. Recoveries, Merch Cost, and Commissions are shown as small red bars above the zero line. COGS is a large red bar below the zero line. Discounts is a black bar below COGS. Gross Revenue is a large black bar above the zero line. Net Margin is a small green bar above the zero line.</p>
<p> <i>Geo</i></p> <p>Map showing data values and/or change since another date range</p>	 <p>A geo map showing data values and change since another date range. The map displays various zip codes with colored circles representing data points. The legend includes two categories: Zip Code and Customer. The Zip Code legend shows five ranges: less than 10k (light blue), 10k to 21k (medium blue), 21k to 32k (dark blue), 32k to 43k (teal), and 43k to 54k (dark green). The Customer legend shows five ranges: less than -63.5 (red), -63.5 to -43.8 (orange), -43.8 to -24.1 (yellow), -24.1 to 15.3 (light green), and 15.3 to 34.9 (dark green).</p>
<p> <i>Gauge</i></p> <p>A simple visual tool showing performance; single measure</p>	 <p>A gauge chart showing performance. The gauge is a semi-circle with a blue segment representing the current value. The current value is -32.95%. To the right of the gauge, the text reads: -32% (in red), 273k vs. Last, and Last 407k.</p>
<p> <i>Mix</i></p> <p>Percent of the total for multiple members for one or two date ranges; any number of measures</p>	 <p>A donut chart showing the percent of the total for multiple members. The chart is divided into six segments: SouthEast Area (blue), SouthWest Area (green), East Area (red), NorthWest Area (yellow), Near West Area (light blue), and NorthEast Area (orange).</p>

Advanced Concepts

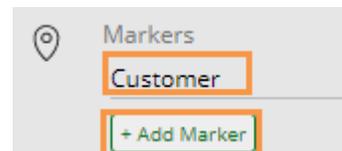
Geo

The Geo widget is a map that provides geospatial intelligence (requires additional installation and setup). The map typically has markers that represent member locations (e.g., customer locations). The color and/or size of markers can indicate data values, difference, or percent change (e.g., large dark circles represent customers with high volume).



To set up a geo point map colored and sized by measure

1. After adding a Geo widget, access marker setup by clicking **Add Marker** under **Markers** in the toolkit. (If you have already added the marker, you can click on its name to edit it.)
2. In the **Marker Setup** dialog, select the following settings.



Tip: Power Viewer users will be able to change the marker setup by clicking on the map legend.

To set up a geo point map colored and sized by measure

Marker Layer - Select the key or dimension to plot on the map (e.g., Customer).

Measure - Click **Select a Measure** to add the measure, or select from the **Measure** drop-down menu if measures have already been added.

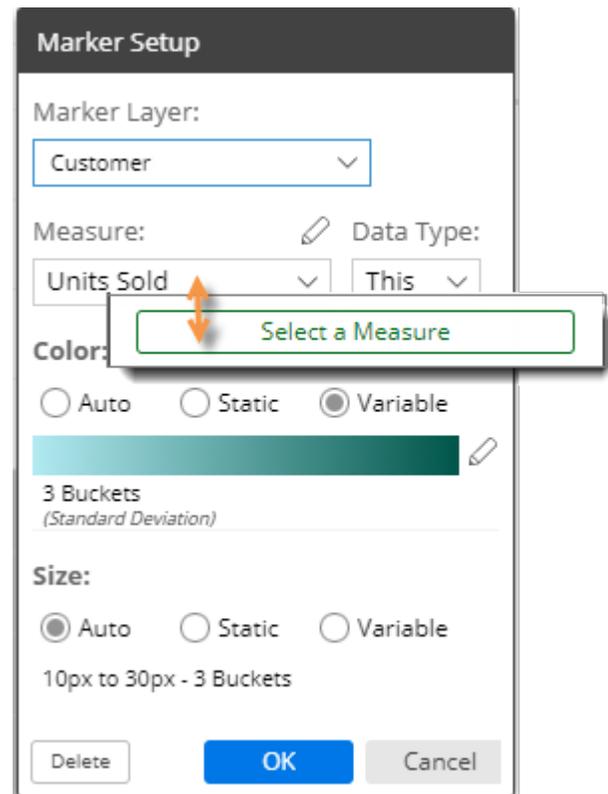
Data Type - Select values (This or Last), Diff, % Change, etc.

Point color - Select from the following.

- Auto - Markers are colored in shades of teal based on data; uses the default number of equally-sized buckets (i.e., ranges); requires no additional setup.
- Static - uses the same color/shade for all points regardless of data.
- Variable - (see the following instructions) Allows you to choose the range selection method, colors, and number of buckets.

Point size - Select from the following.

- Auto - Markers are sized based on data; uses the default number of equally-sized buckets; requires no additional setup.
- Static - uses the same point size for all markers regardless of data.
- Variable - (see the following instructions) allows you to choose the range selection method, pixel size, and number of buckets.



Tip: If you customize one of these options (variable color or variable size) and use Auto for the other, then the Geo map uses the customized options for both color and size.

Variable (i.e., customized) point color and size options

The variable color and size options in Geo allow you to do any of the following:

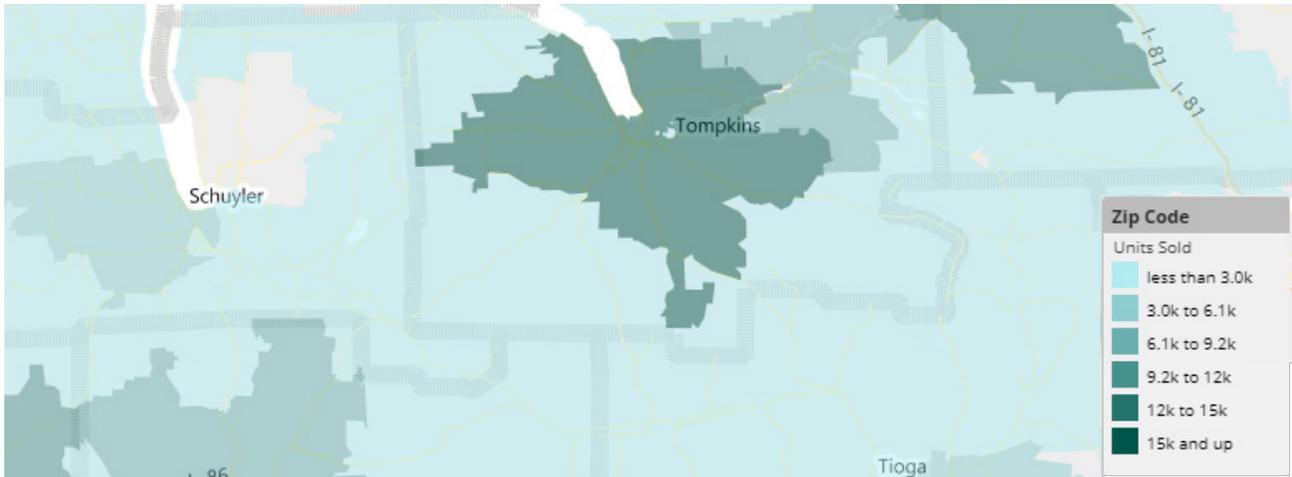
- Select the number of buckets (e.g., 4 ranges of volume sold)
- Select how the ranges are determined (standard deviation or equal size)
- Select a color gradient (2 or 3 color stops)
- Select a range of point size in pixels
- Use different measures or data types for color and size (e.g., size based on values and color based on percent change)

To access these options, choose the variable option in the Marker Setup dialog.

Auto Static Variable

Geo area map colored by measure

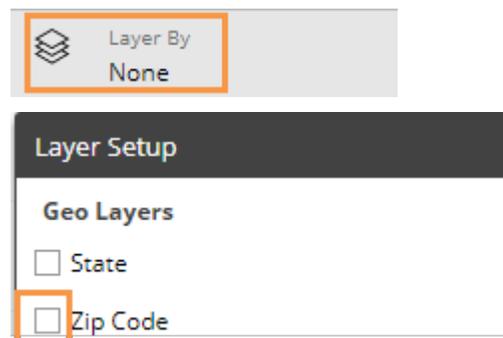
Geo maps can shade areas based on data totals, data averages, percent change, or difference, for each area within a layer. The map can overlay points (see page 61) on the colored areas, or you can view the area map without points. For example, view zip codes by units sold (darker areas have higher values).



To set up a geo area map colored by measure

1. After adding a Geo widget, access layer setup by clicking **Layer By** in the toolkit.
2. In the **Layer Setup** dialog, check the box of the layer for which want to color areas. Only pre-configured spatial layers are available for selection.
3. Select from the following options.

Tip: Power Viewer users will be able to change the layer setup by clicking on the map legend.



To set up a geo area map colored by measure

Measure - Click **Select a Measure** to add the measure, or select from the **Measure** drop-down menu if measures have already been added.

Data Type - Select values (This or Last), Diff, % Change, etc.

If you want to customize the colors and number of buckets, select from the following options.

3 color stops - Optionally, use three color stops to define the lowest, average, and highest data points with a gradient in-between. Or, leave this option cleared to use a two-color gradient.

Colors - Click each stop in the color bar to define the color. You can also click **Reverse** to reverse the colors.



Bucket Width - Select the method for determining the ranges:

- Standard deviation - centers the ranges around the mean.
- Equal - creates a defined number of equally-sized ranges between the minimum and maximum values.

Number of Buckets - Select the number of buckets (i.e. ranges) to show. If equal is selected, this will be the total number of buckets. If standard deviation is selected, this number of buckets will be present both above and below the mean.

Color Setup

Measure: Units Sold Data Type: This

Select a Measure

3 color stops [Reverse](#)

Bucket Width: Equal Deviation: 1

Number of Buckets: 6

[OK](#) [Cancel](#)

Reference lines

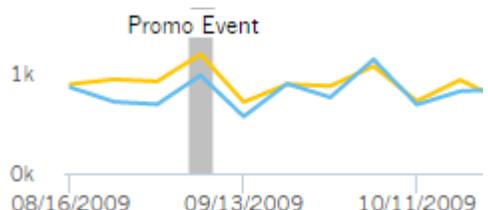
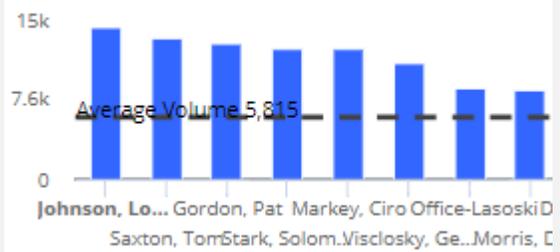
You can add custom lines to enhance data visualizations. Custom lines can show thresholds, important dates, and calculated values such as averages, totals, moving averages/totals, cumulative values, and projections.

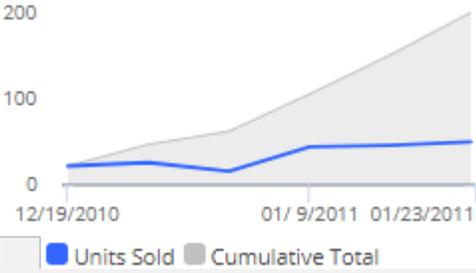
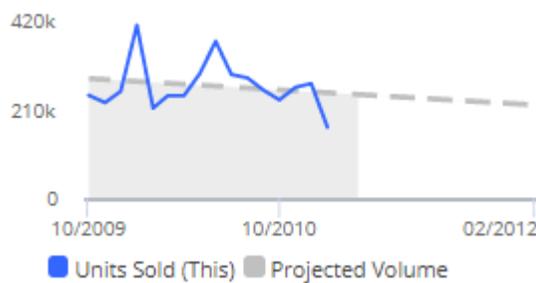
To add reference lines

1. Click on Graph Settings in the toolkit and then click Visual Options.
2. Click the Custom Reference Line button.
3. Select from the available settings, depending on what you want the reference line to show.

The screenshot shows the 'Custom Reference Line' dialog box with the following settings:

- Calculation Type:** Aggregated Value
- Aggregation Type:** Average
- Series Type:** Line
- Measure:** Units (This)
- Placement:** In front of series
- Label:** Average Monthly Volume
- Display value after label

Reference line examples	Recommended settings
<p>Compare values to a fixed, user-defined threshold: Over time in time-series:</p>  <p>The chart displays a blue line representing monthly volume from October 2009 to January 2011. The y-axis ranges from 0 to 420k. A dashed horizontal line is drawn at the 300k mark, labeled 'Monthly Volume Goal'. The data points fluctuate around this goal line.</p>	<p>Calculation Type - Static Value</p> <p>Axis - </p> <p>Y Value or From/To - Enter a static value. For a shaded area, enter the start value and the end value.</p>
<p>Compare values to a fixed, user-defined threshold: Across members in comparative:</p>  <p>The chart compares 'Units Sold' (left y-axis, 0 to 48k) and 'Net Revenue' (right y-axis, 0 to 450k) across five areas: SouthEast Area, SouthWest Area, East Area, NorthWest Area, and Near West Area. Blue bars represent units sold, and grey bars represent net revenue. A dashed horizontal line is drawn at the 30,000 mark on the units sold axis, labeled 'Monthly Volume Goal 30,000'.</p>	<p>Calculation Type - Static Value</p> <p>Y Value or From/To - Enter a static value. For a shaded area, enter the start value and the end value.</p>
<p>Important dates on a time-series</p>  <p>The chart shows a time-series with a yellow line and a blue line. A vertical grey shaded bar highlights a 'Promo Event' on 09/13/2009. The x-axis shows dates: 08/16/2009, 09/13/2009, and 10/11/2009. The y-axis ranges from 0k to 1k.</p>	<p>Calculation Type - Static Value</p> <p>Axis - </p> <p>X Value - Click the date control(s) and select a single date (for Line) or the beginning and ending dates (for Area).</p>
<p>Calculated average or total over multiple members (e.g., average volume per sales rep)</p>  <p>The chart shows average volume per sales rep for seven individuals: Johnson, Lo..., Gordon, Pat, Markey, Ciro Office-Lasoski, Saxton, Tom, Stark, Solom., Visclosky, Ge..., and Morris, C. The y-axis ranges from 0 to 15k. A dashed horizontal line is drawn at the 5,815 mark, labeled 'Average Volume 5,815'.</p>	<p>Calculation Type - Aggregated Value</p> <p>Aggregation Type - Grand Total of all members, or Average of all members</p>

Reference line examples	Recommended settings
<p>Calculated average across dates (e.g., average volume per month)</p> 	<p>Calculation Type - Aggregated Value Aggregation Type - Average</p>
<p>Cumulative average or total over date range (e.g., cumulative volume over time)</p> 	<p>Calculation Type - Aggregated Value Aggregation Type - Cumulative Average or Cumulative Total</p>
<p>Moving averages or totals for a set number of prior dates; smooths data fluctuations</p> 	<p>Calculation Type - Aggregated Value Aggregation Type - Moving Average or Moving Total Duration - Select the number of prior dates to include in the calculation.</p>
<p>Calculated trends with future projections</p> 	<p>Calculation Type - Linear Regression Projection Duration - Select the number of future dates for which to project data based on a linear regression.</p>

Highlight data

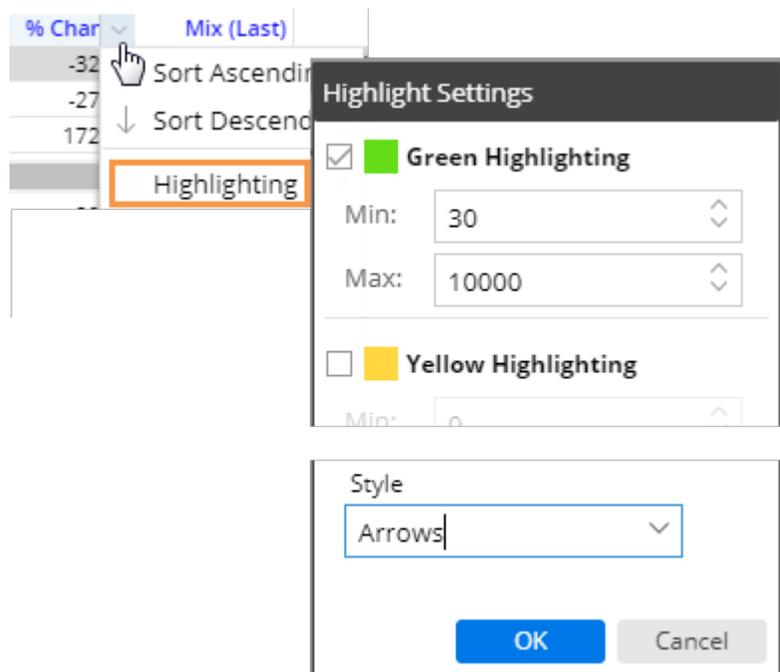
You can use highlighting to spot data that falls within or outside of the expected ranges. You can set unique range criteria for each column (for example, percent change or values) for any or all measures shown.

Grid highlighting

<input type="checkbox"/>	<input type="checkbox"/>	SouthWest Area	46,882	53,625 ●	-6,743	-12.57 ▼
<input type="checkbox"/>	<input type="checkbox"/>	NorthWest Area	44,950	50,109 ●	-5,159	-10.30 ▼
<input type="checkbox"/>	<input type="checkbox"/>	Near West Area	21,700	21,778	-78	-0.36

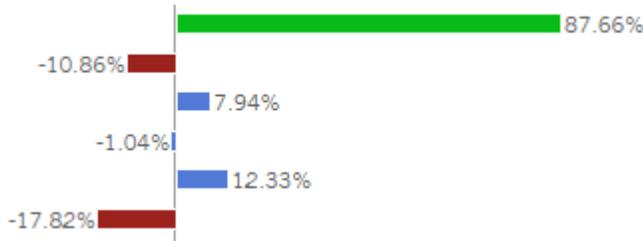
To highlight data in grids

1. Place your cursor on the heading of the column to highlight. You can highlight actual values (This or Last), percent change, difference, etc., for any measure.
2. Click the drop-down arrow that appears.
3. Select **Highlighting**.
4. In Highlight Settings, check **Enable green highlighting**, **Enable yellow highlighting**, and/or **Enable red highlighting**, depending on the highlighting color(s) you want to use.
5. For each color range, type a minimum value and maximum value. If you use multiple ranges, they cannot overlap.
6. From the **Style** drop-down, select a highlighting style.
7. Click **OK**.



Tip: To access highlight settings for Gauge widgets, click  in the upper-right corner of the widget and select Highlight Settings.

Graph highlighting

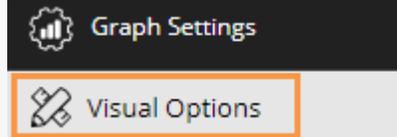


To highlight data in graphs

1. Access visual options by placing the mouse over the graph legend and then clicking the  button that appears.



Tip: You can also access visual options under Graph Settings in the toolkit in edit mode.



2. For the measure/format to highlight, click in the Color column.
3. Check the **Use Highlight Settings** box.

Chart Visual Options					
Series	Type	Color	Style	Size	
Units Sold (This)	Column		N/A	80%	
Units Sold (Last)	Column				<input checked="" type="checkbox"/> Use Highlight Settings Highlight Settings
Net Revenue (This)	Marker				
Net Revenue (Last)	Marker				

4. If highlight settings are not already configured, click the **Highlight Settings** button to enable them and set highlighting ranges.
5. When you are finished, click OK.

Highlight Settings

■ Green Highlighting

Min:

Max:

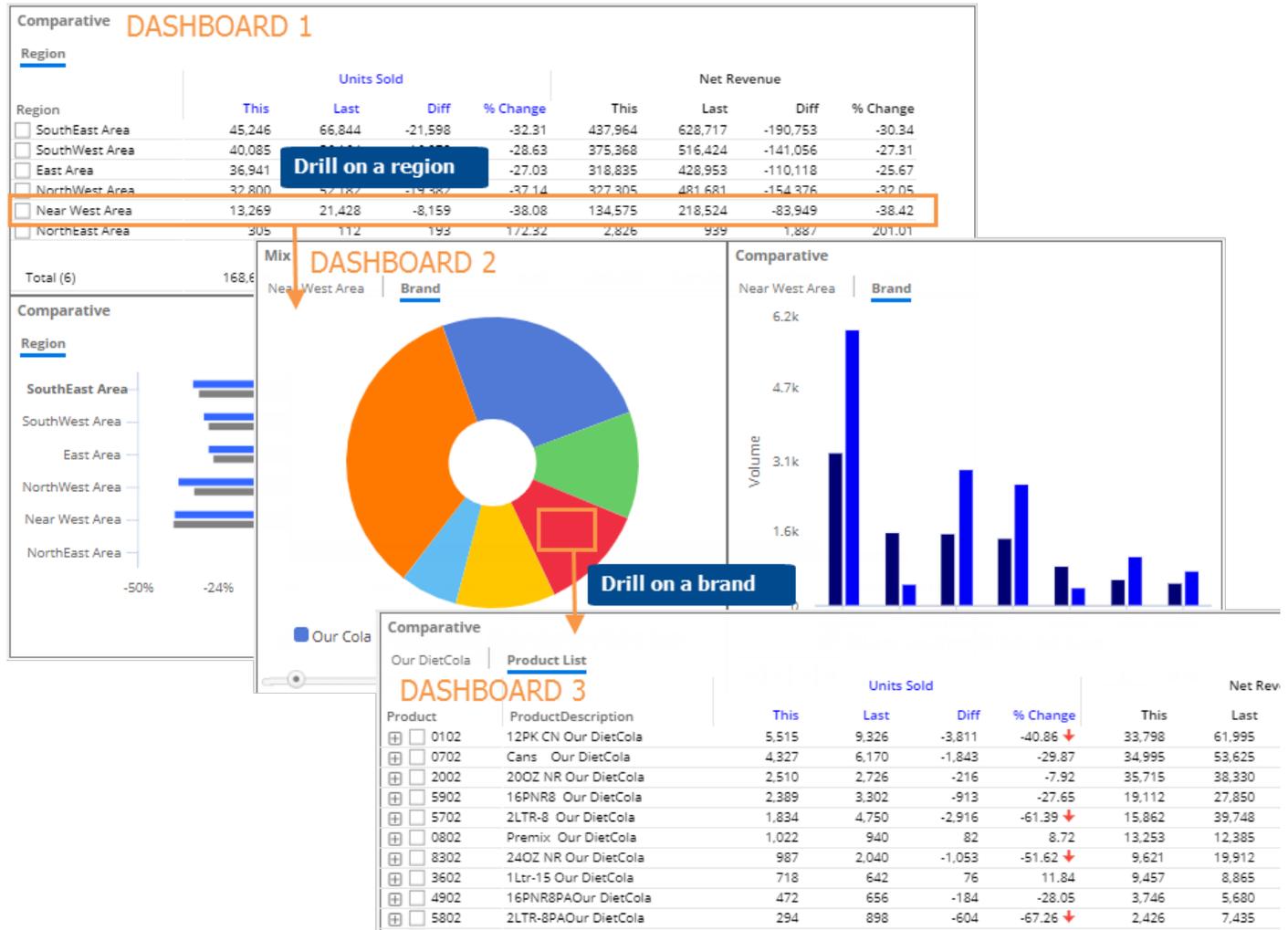
■ Yellow Highlighting

Min:

Custom drill-down

A custom drill-down is a set of preconfigured dashboards through which the user can drill. The custom drill path can include a variety of widget types and display settings to optimize the investigative process while allowing the user to select the item(s) on which to drill.

Custom drill-downs can only be created in edit mode; users can utilize custom drill-downs in view mode or edit mode. All of the dashboards in a custom drill-down must be published.



Create a custom drill-down

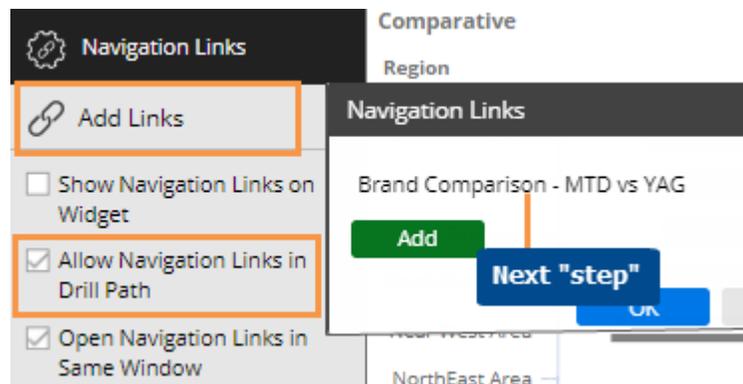
To create a custom drill-down

1. Create, configure, and publish a dashboard to use for each "step" in the drill-down. Within each dashboard, make sure you select and save the appropriate widget type(s), By dimension, date range, display settings, etc. Consider the following when building the dashboard steps.
 - By** - Before going to the next dashboard, the user will need to drill through all of the selected By levels within the widget; therefore, if you want users to go directly to the next dashboard the first time they drill, you should only select one By (i.e. only the 1st By) under the Group By area.
 - Filters** - When the user drills, the selected member will automatically become a downlevel filter in the next dashboard. You do not need to add the filter prior to saving.

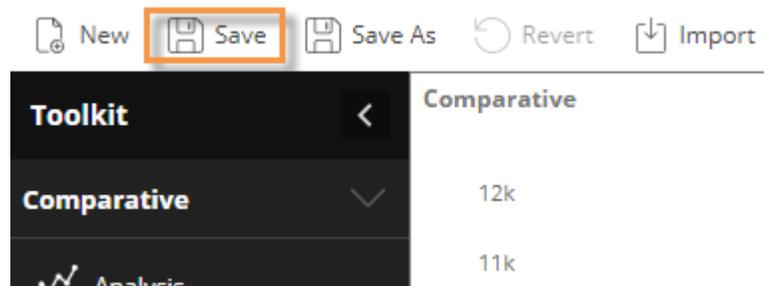
By - Before going to the next dashboard, the user will need to drill through all of the selected By levels within the widget; therefore, if you want users to go directly to the next dashboard the first time they drill, you should only select one By (i.e. only the 1st By) under the Group By area.

Filters - When the user drills, the selected member will automatically become a downlevel filter in the next dashboard. You do not need to add the filter prior to saving.

2. Open the first dashboard or "step" and set up the navigation link(s)
 - i. Click on a widget for which you want to set up custom drill-down. The widget must compare members.
 - ii. Click on Navigation Links in the toolkit and then click Add Links.
 - iii. Click Add and then select the dashboard to use as the next step. You can add multiple dashboards if you want the user to be able to select which one to go to when they drill.
 - iv. Under Navigation Links, check the Allow Navigation Links in Drill Path box.
 - v. Repeat for all widgets from which custom drill-down should be allowed.



3. Save changes to the dashboard.
4. Repeat Steps 2 and 3 for each dashboard used as a step in the drill-down (except the last step)—specifying the next step and saving each one.
5. Share the dashboard of the first step with users.



Tip: The custom drill-down can either open the next step in the same window or a new window depending on the **Open Navigation Links in Same Window** setting (located under Navigation Links).

Tab group

The tab group widget provides a tabbed or carousel view of multiple groups of widgets within a dashboard, therefore, maximizing screen space. The user can switch between the widgets by clicking on tabs or arrows. Within each tab, you can add one or more widgets. You can add the desired number of tabs and customize the names of the tabs.

Tab format

Month to Date | Year to Date

Comparative

Region

Region	Units Sold		Net Revenue	
	This	% Change	This	% Change
<input type="checkbox"/> SouthEast Area	45,246	-32.31	437,964	-30.34
<input type="checkbox"/> SouthWest Area	40,085	-28.63	375,368	-27.31
<input type="checkbox"/> East Area	36,941	-27.03	318,835	-25.67
<input type="checkbox"/> NorthWest Area	32,800	-37.14	327,305	-32.05

Gauge

-31.82%

Carousel format

Month to Date

Comparative

Region

Region	Units Sold		Net Revenue	
	This	% Change	This	% Change
<input type="checkbox"/> SouthEast Area	45,246	-32.31	437,964	-30.34
<input type="checkbox"/> SouthWest Area	40,085	-28.63	375,368	-27.31
<input type="checkbox"/> East Area	36,941	-27.03	318,835	-25.67
<input type="checkbox"/> NorthWest Area	32,800	-37.14	327,305	-32.05

Gauge

-31.82%

To add a tab group

1. Click the **Add Widget** button at the top of the screen.
2. In the pop-up window, click and drag Tab Group onto the workspace.
3. Optionally change the size of the tab group by clicking and dragging its borders.

Import | Export | **Add Widget** | Untitled Dashboard

Data

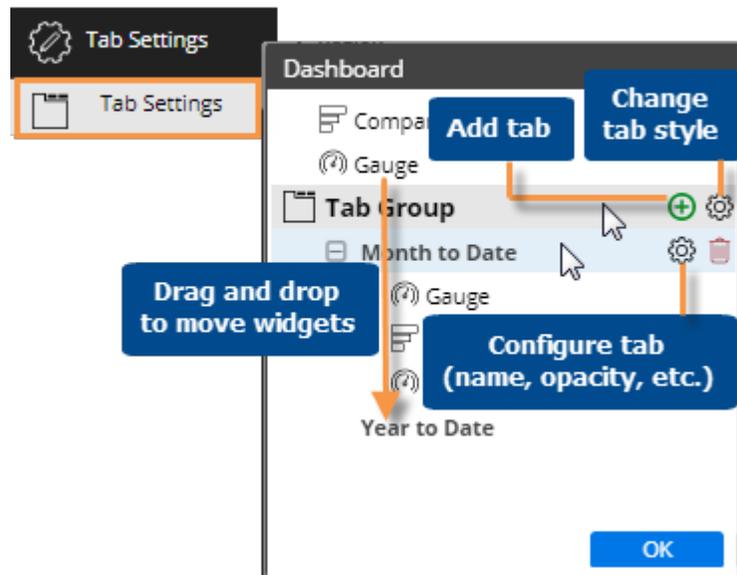
- Comparative
- Multi Comparative
- Trend
- Exception Time Series
- Share Trend
- CrossTab

Content

- Tab Group**
- Text
- HTML

To add a tab group

4. The tab group has two tabs when you first add it. To add additional tabs, click the  button in the upper-right corner (visible on mouseover) and select **Add Tab**.
5. Set up each tab by adding widgets and configuring them. To add a widget to a tab, select the tab and then drag a widget into it or go to **Tab Settings** (see the next step).
6. Configure the tab group by clicking **Tab Settings** in the toolkit (the tab group must be selected) and making selections in the pop-up window.



Date selector widgets

If the dashboard has a date selector, users can shift the dates of multiple widgets in the dashboard using a drop-down menu. Date selectors do not change the resolution or number of dates in the range.

To use a date selector

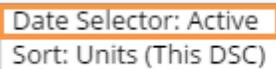
1. Click the drop-down menu.
2. Select a date from the menu to adjust what is considered to be the "current" date. This generally controls the end date of widgets.



Tip:

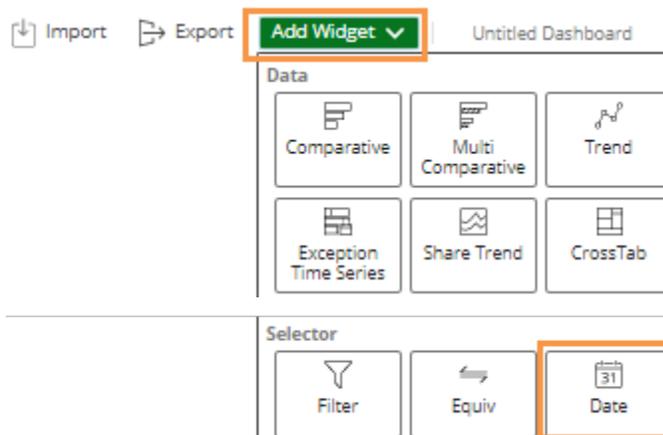
A date selector does not affect fixed date widgets. A date selector affects all "linked" widgets unless they have a fixed timeframe.

You can see whether a date selector is active or inactive for a given widget by placing your cursor over its title to see the tooltip.



To add a date selector

1. Click the **Add Widget** button at the top of the screen.
2. In the pop-up window, click the Date button or drag it onto the workspace.



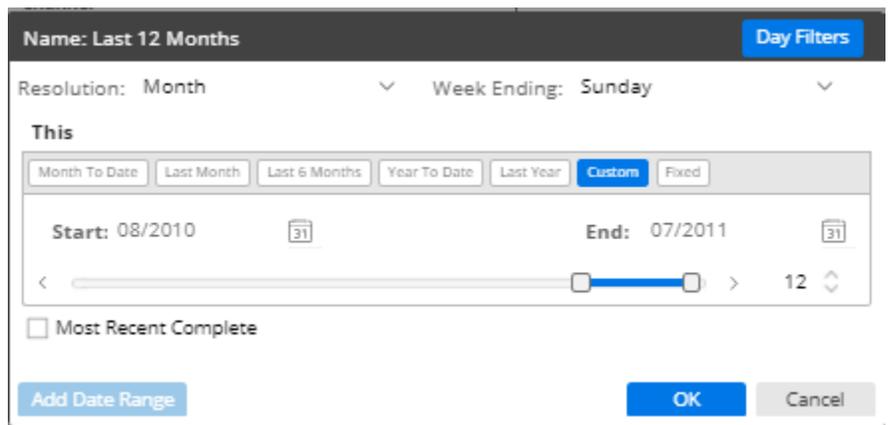
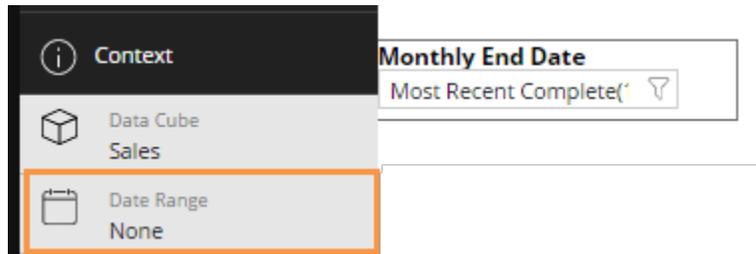
To add a date selector

3. Set the dates (see page 22) that will appear as choices in the date selector menu.

- i. Click on the date selector, and then click on Date Range under context in the toolkit.

- ii. Select the resolution of the dates to appear in the menu (e.g., months).

- iii. Configure the date range so that it includes all of dates that should appear as choices in the menu. The dates can be fixed or move automatically to the most recent (or most recent complete) date available. For example, you might want to allow users to select from the last twelve months.

**Tips:**

By default, a date selector affects all widgets in the dashboard that move relative to "today," "last day of cube," or "last day of data" (i.e., does not affect fixed date widgets). You can disable the date selector for any widget in general settings.

You can only add one date selector to a dashboard.

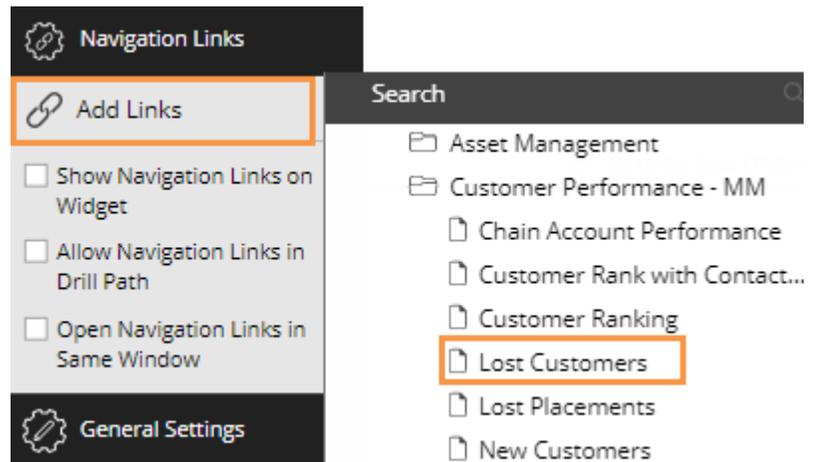
The selected data cube controls the available dates. If the desired dates are not available, you may need to change the data cube associated with the date selector.

Navigation links

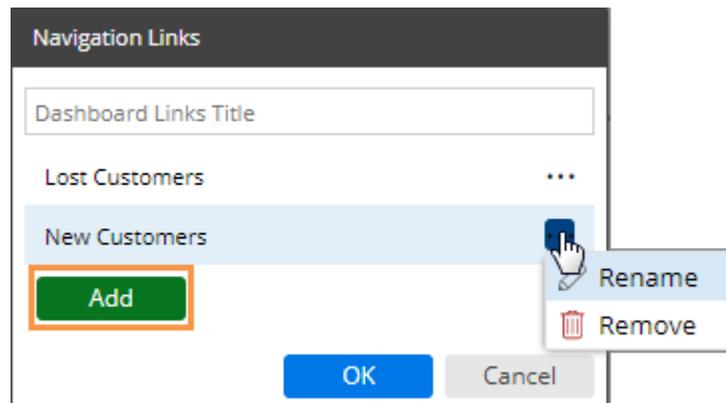
You can embed links to published dashboards within a widget to allow users to easily access related dashboards. The links are listed at the bottom of the widget and/or are available via custom drill-downs (see page 70).

To add dashboard links to a widget

1. Click on a widget.
2. Click on Navigation Links in the toolkit
3. Click Add Links.
4. Select the dashboard to which you want to link. Only published dashboards are available for dashboard links.



5. To link to multiple dashboards, click Add and select additional dashboards. If you wish, you can enter a custom name for the group of dashboard links (defaults to "Dashboard Links" if not specified).
6. If you want to change the display name of any dashboard link, click the ... button and select **Rename**. This assigns a temporary display name but does not change the actual dashboard name.
7. Click OK.



8. Under Navigation Links in the toolkit, select from the following options:

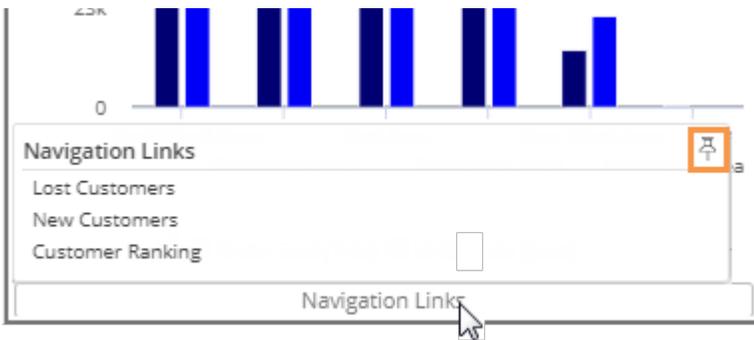
Show Navigation Links on Widget - Check this box to show the links at the bottom of the widget (pinned or unpinned; see below).

Allow Navigation Links in Drill Path - Check this box if you want to make the links available via a custom drill-down (see page 71). Otherwise, leave this box cleared.

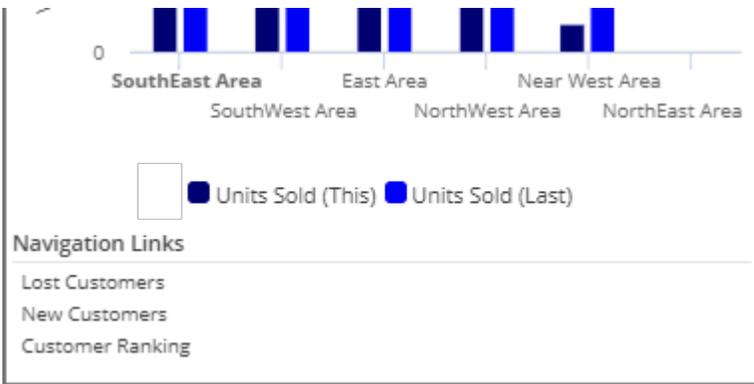
Open Navigation Links in Same Window - Check this box to open the linked dashboards in the same window as the original dashboard.

Navigation links on the widget are unpinned by default (i.e., mouseover to see links). If you prefer, you can pin the links to the bottom of the widget so they are always visible.

Unpinned:

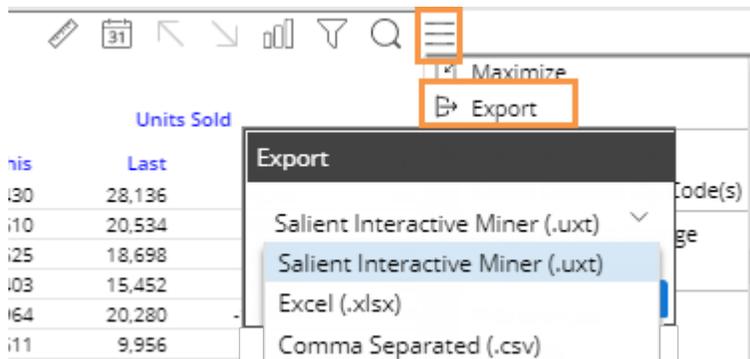


Pinned:



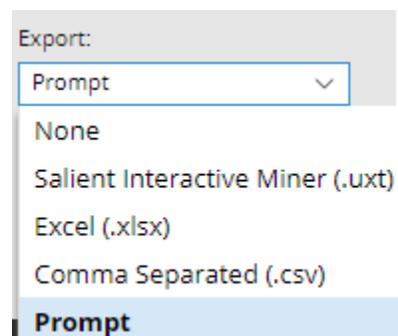
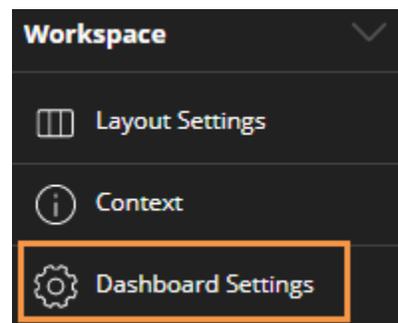
Limiting export options for users

If allowed, users can export in view and edit mode by clicking the  button and selecting Export. The default export options include an Excel, comma-separated, or UXT-compatible file. If you wish, you can turn this capability off or limit the allowed formats.



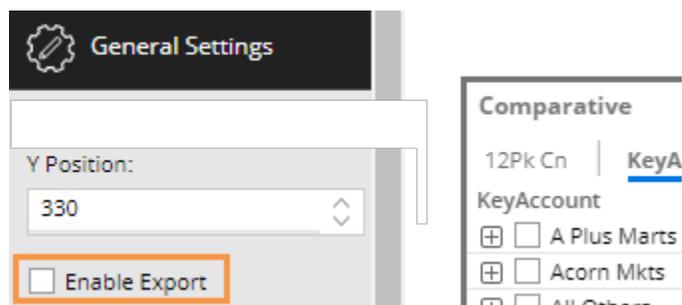
To turn off or limit export options for all widgets in dashboard

1. Click the workspace to select it.
2. In the toolkit, select Dashboard Settings.
3. From the Export menu, select a single format, None to turn off exporting, or Prompt to allow all formats.



To turn off exporting for a single widget

1. Click the widget to select it.
2. In the toolkit, select General Settings.
3. Clear the Enable Export box.



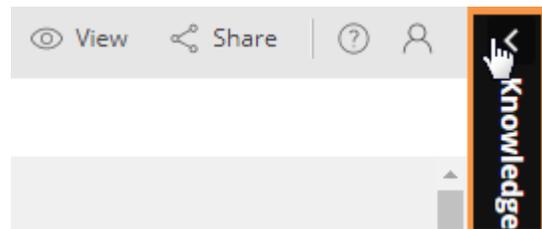
Knowledge Manager

Knowledge Manager enables users to organize thoughts or “soft knowledge” for collaboration. You can add text descriptions, upload images or other resources, and add comments. In addition, this information can be shared between all users across multiple devices in SIM, Salient Dashboards, and the Salient Mobile app (additional setup required).

To show the Knowledge Manager panel

Click the Knowledge Manager on the side of the screen (on the right side by default) to toggle the panel on and off.

Knowledge Manager includes the following tabs:



Dashboard Info

Allows users who create dashboards to write descriptions and purposes for them.

Resources (links to web pages, pictures or documents) and comments can be included as future reference materials become available.

Knowledge Manager

customdrill1

Description

Sales Comparison by Region
The graph is a quick view of % change since last year.
Double-click to drill.

Resources (3)

- Channel Descriptions
- Rep Assignments
- Channel 2017

Comments (4)

JC
2017-12-07T12:08:05.63
March 2017 Sales for NorthEast was way down compare

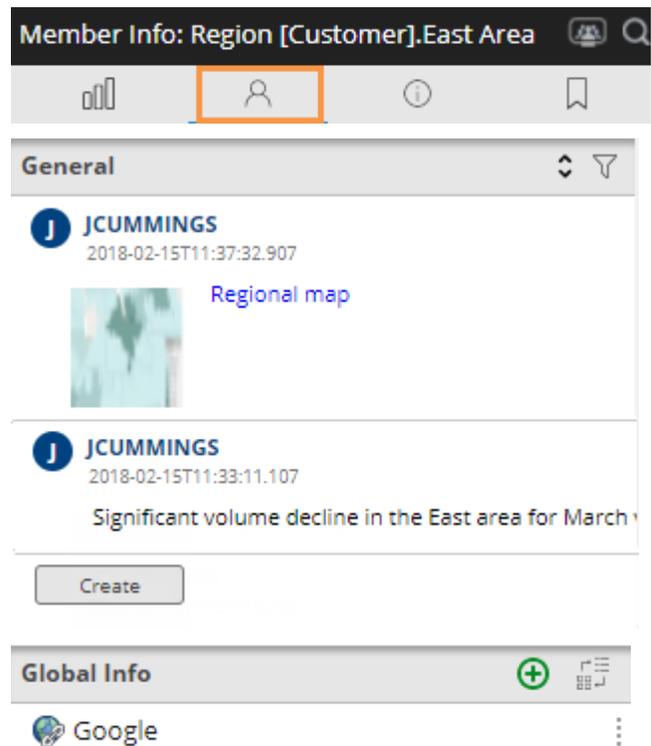
Member Info

Allows you to connect media or non-media information to specific customers, sales reps, products, etc.

Entries can be filtered to keep the most current information on top.

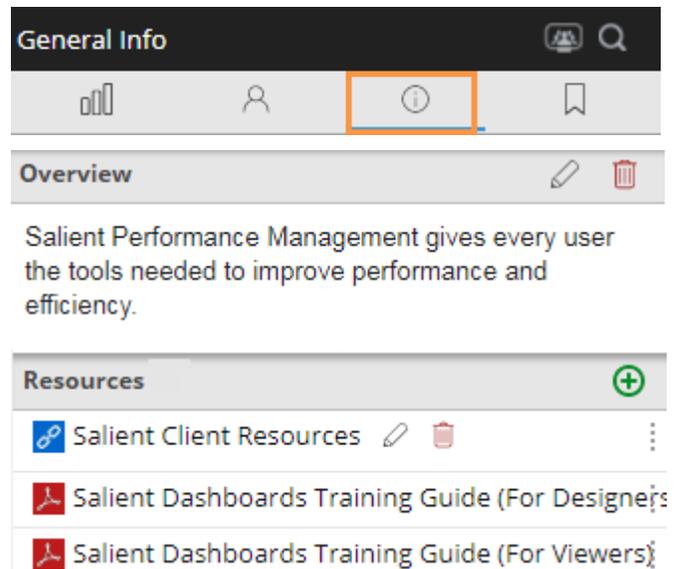
Media examples include news stories, events or related websites.

Non-media can be details on location, entry, specific contact info, or security issues.



General Info

Adds global information such as manuals, training material, or information about the dataset.



Index/Search

Search, view, or add information about the schema (keys, dimensions, measures, etc.).

