

Customizing Dashboards

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The Cloudera logo is displayed in a bold, orange, sans-serif font. The word "CLOUDERA" is written in all caps, with a stylized 'E' that has a horizontal bar extending to the right.

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Customizing general settings for dashboards

Cloudera Data Visualization supports several options for display settings for dashboards. To change the options for dashboard settings, follow these steps.

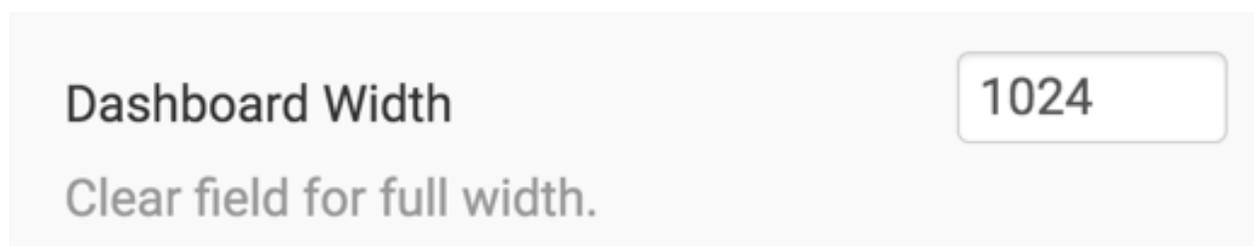
Procedure

1. On the right side of Dashboard Designer, click the Settings menu.
2. Open the General menu.
3. Select the option you need.

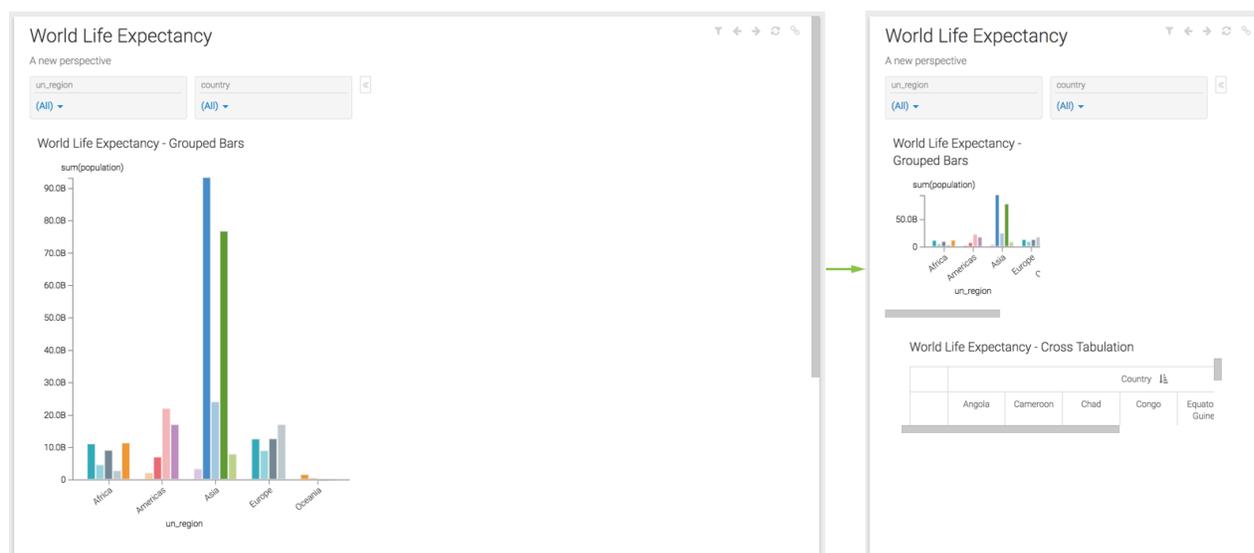
Changing dashboard width

You can change the width of a dashboard in Cloudera Data Visualization.

To change the width of a dashboard, navigate to the General menu, and adjust the value of the Dashboard width option. The default value is 1024. To have dashboards extend to the full width of the page, clear the field.



For example, we decreased the dashboard width from 1024 to 500 in the following dashboard:



Enabling animations

Cloudera Data Visualization enables visual transitions in dashboards for the following visual types: bars, lines, combo, area, scatter, grouped bar, histogram, sparklines, pie, packed bubbles, and correlation heat map.

About this task



Note: This feature is only available when you enable visual transitions at site level. For more information, see *Enabling visual transitions*.

To enable animations on specific dashboard visuals, follow these steps:

Procedure

1. Open the dashboard.
2. In Dashboard Designer, select the Settings menu.
3. Click the General menu to expand it.
4. Select the Enable animations option.

Related Information

[Enabling visual transitions](#)

Enabling manual refresh of visuals in a dashboard

About this task

If you have a slow back-end data connection and your dashboard is loading slowly, you can choose to load the filters first, specify their settings, and then manually load the visuals. This topic describes how to enable manual refresh.

To enable manual refresh of visuals in a dashboard, follow these steps:

Procedure

1. Open the dashboard in Edit mode.
2. In the Dashboard Designer, select the Settings menu.
3. Click the General menu to expand it.
4. Select the Refresh visuals manually option.

Results

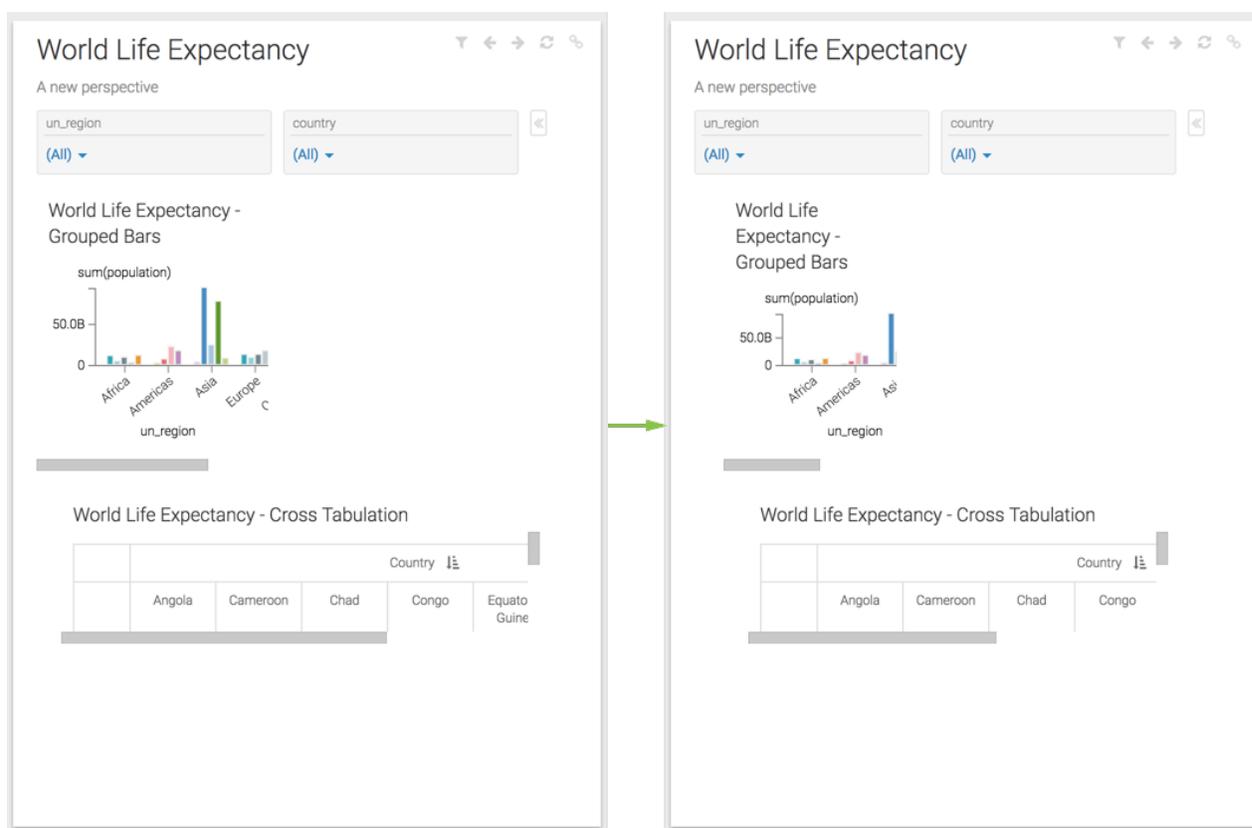
This adds a REFRESH VISUALS button to the dashboard.

Adjusting horizontal margins

You can change the horizontal margins of a dashboard in Cloudera Data Visualization.

To change the horizontal margins of a dashboard, navigate to the General menu, and adjust the value in the selector for the Horizontal Margins option. The default value is 10.

For example, we increased the horizontal margins from 10 to 35 in the following dashboard. Notice that both visuals are shifted to the right, but the filter controls remain stationary.

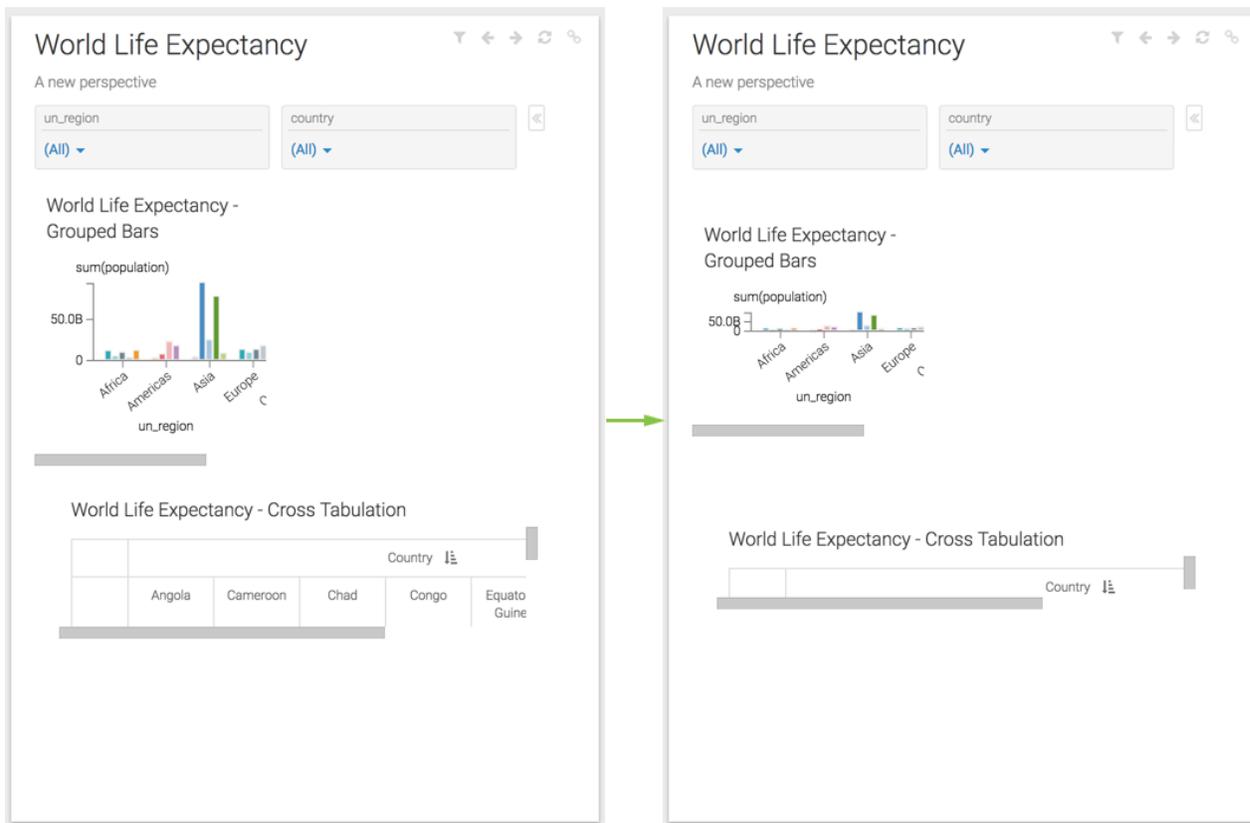


Adjusting vertical margins

You can change the vertical margins of a dashboard in Cloudera Data Visualization.

To change the horizontal margins of a dashboard, navigate to the General menu, and adjust the value in the selector for the Vertical Margins option. The default value is 10.

For example, we increased the vertical margins from 10 to 35 in the following dashboard. Notice that the first visual is shifted downwards, and both visuals are vertically 'squashed'. The filter controls remain stationary.

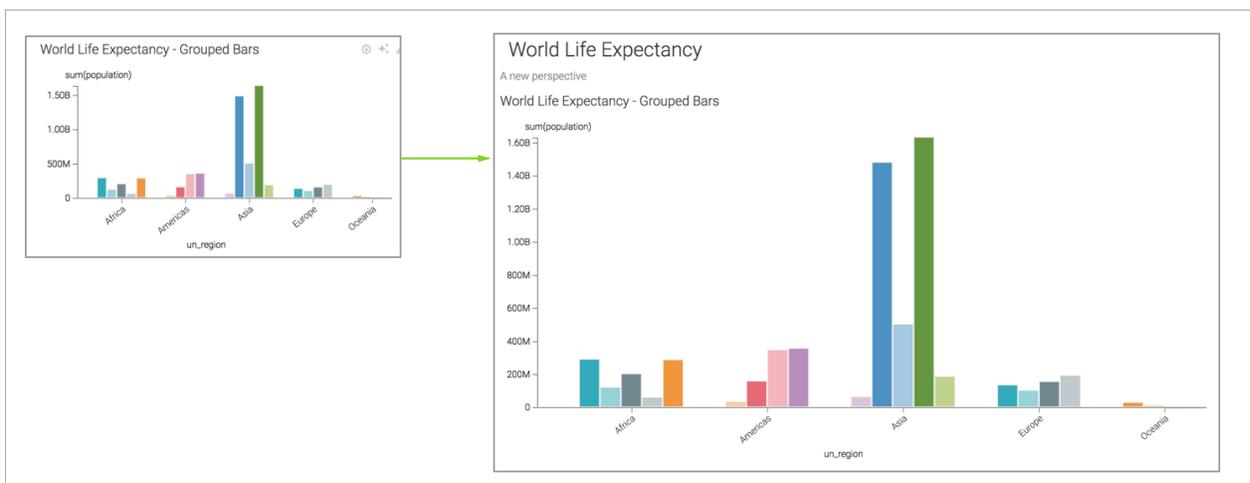


Displaying a visual in full screen

You can display a visual in full screen in Cloudera Data Visualization.

To extend a visual in a dashboard to the full width of the page, navigate to the General menu, and select the Make full screen for single visual option. This option is available if there is only one visual in the dashboard.

For example, compare the two visuals: one in its original size, and the other in full-screen mode.



Adjusting detailed data columns

You can change detailed data columns in Cloudera Data Visualization.

To change the number of columns that appear when selecting Detailed Data in a context menu of a dashboard visual, navigate to the General menu, and adjust the value in the selector for the Detailed Data Columns option.

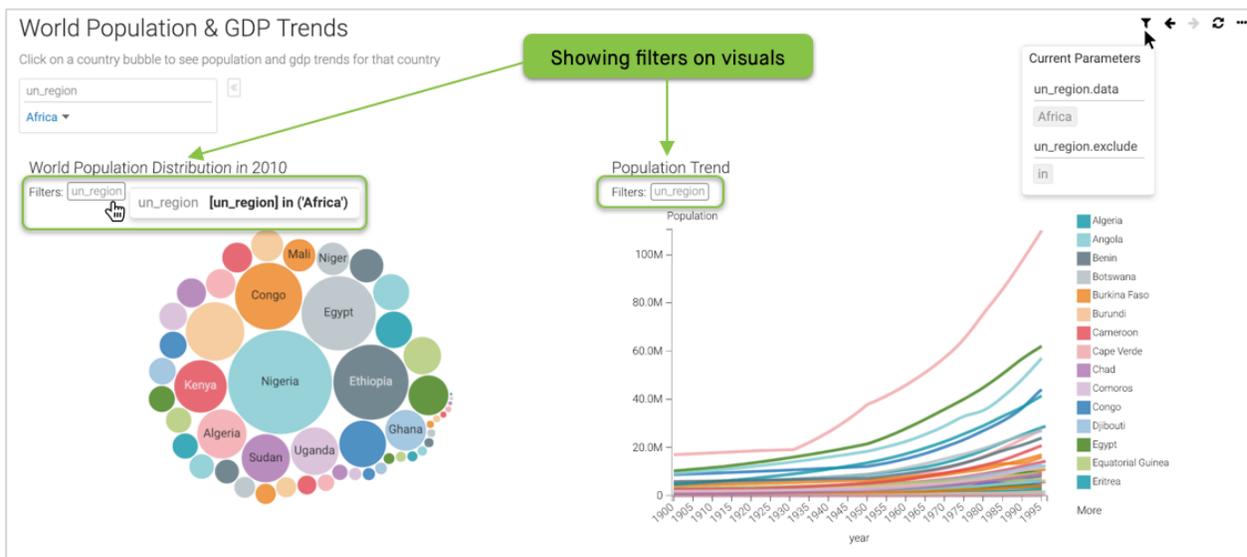
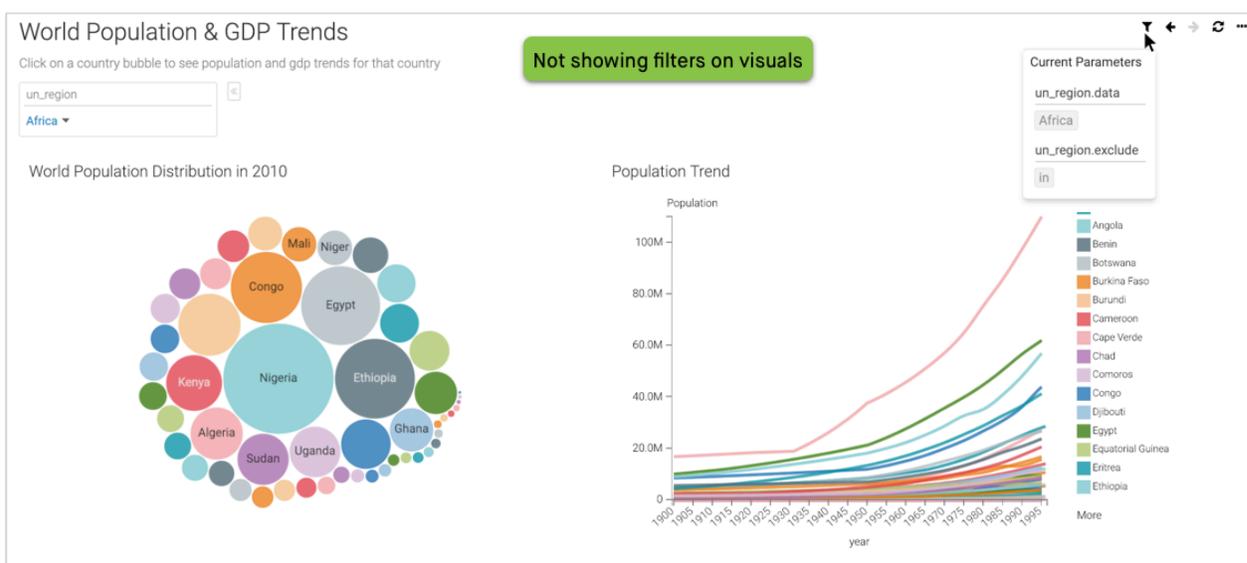
Displaying filter selections for each visual

You can display filter selections for the visuals of a dashboard in Cloudera Data Visualization.

To show active filter selections for each visual in the dashboard, navigate to the General menu, and select the Display filter selections for each visual option.

For example, compare the two dashboards:

- The top dashboard displays filters parameters when you hover the pointer over the filter icon at the top right corner of the dashboard, but not on the visuals themselves.
- The bottom dashboard displays filters and parameters both at the top right corner, and on each visual modified by the filter.



Displaying context menus in visuals

About this task

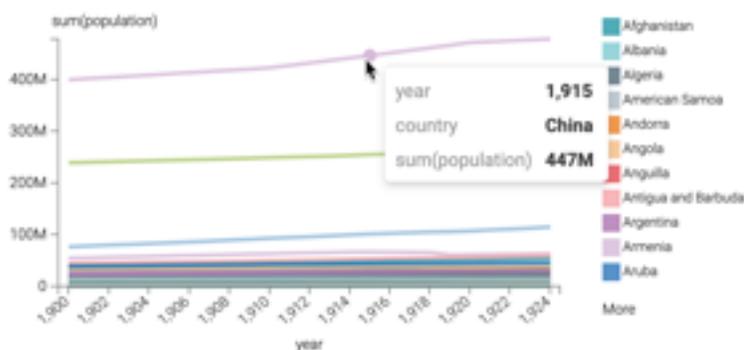
In a dashboard, you can see the context menu within each visual in both Edit and View mode.

In Edit mode, you can see context menus by default.

Procedure

1. To enable the context menu in View mode, navigate to the General menu.
2. Select the Display context menus within visuals option.
3. Click the selected part of the graph in View mode, to see the context menu.

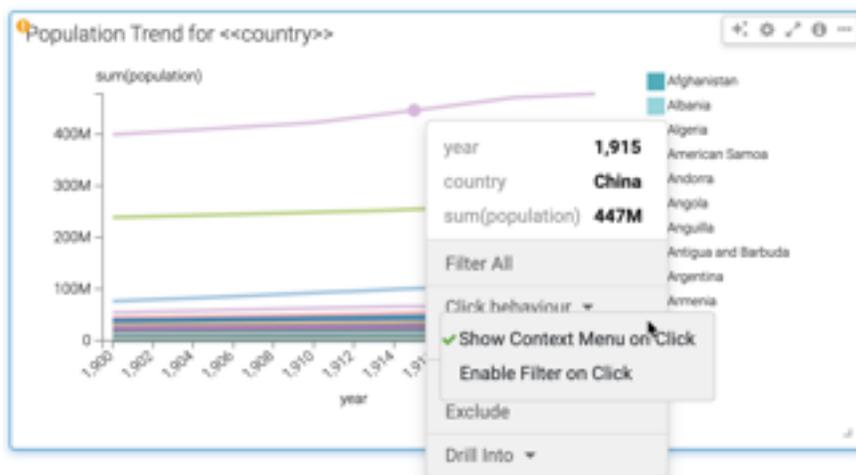
Notice the three data discovery options in the context menu, Show Detailed Data, Filter All, and Drill Into.



4. Switch to Edit mode, and click the selected part of the graph to show the context menus.

In Edit mode, you can see more data discovery options in the context menu as compared to View mode.

In the following image, notice that when you enable context menus at the dashboard level through the Display context menus within visuals setting option, the No Action on Click context menu appears as Show Context Menu on Click.



Overriding visual style settings

To achieve consistent styling of all visuals in a dashboard, you can override all individual visual styling choices using a single dashboard setting in Cloudera Data Visualization.

To override the settings of the visuals by the dashboard settings, navigate to the General menu, and select the Override visual style settings option.

To change the styles at dashboard level, see *Dashboard Style Customization*.

Related Information

[Customizing style for dashboards](#)

Adjusting automatic refresh

Cloudera Data Visualization offers an automatic refresh feature that refreshes all visuals on the dashboard simultaneously, regardless of the type of visual used (for example: charts, external links, tables). This is especially helpful for dashboards that contain dynamic data, such as stock tickers or real-time event updates.

To enable automatic refresh for your entire dashboard, navigate to the General menu and adjust the value in the selector for the Auto-refresh seconds option.

This sets the refresh rate in seconds for the entire dashboard.



Note: By default, this setting is disabled, and the selector is empty. Once activated, all visuals on the dashboard will refresh at the specified interval.

Example

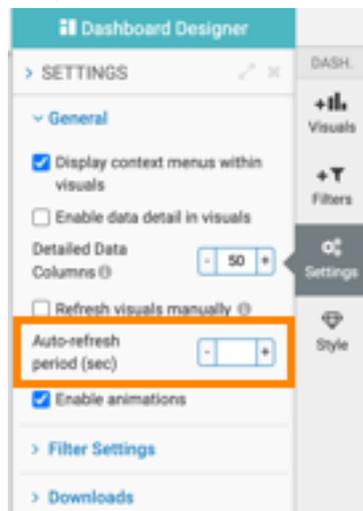
This example demonstrates how to create a simple dashboard with a refresh rate through using an external link visual to access live information about the 2017 French Presidential election.

While this example uses a link visual, the automatic refresh setting affects the entire dashboard, meaning all visuals will refresh based on the set interval.

1. Start a new dashboard based on any dataset.
2. In the Visual Designer, click New Visual.
3. Hover over the Visual Controls in the top right corner of the new visual and click the (pencil) icon to edit the visual.
4. Select External Link from the Visual Type Catalog.
5. In the URL field, enter https://en.wikipedia.org/wiki/French_presidential_election,_2017.
6. Name and save the new visual.

In this example, the name of the visual is French Election 2017.

7. In the dashboard Settings, set the Auto-refresh seconds option to 300 seconds, which is equivalent to an update every 5 minutes.



8. Name the new dashboard.

In this example, the name of the dashboard is News.

9. Click Save.**10.** Click ViewSwitch to View mode to observe the periodic updates of the dashboard.

Enabling or disabling case sensitive dashboard filters

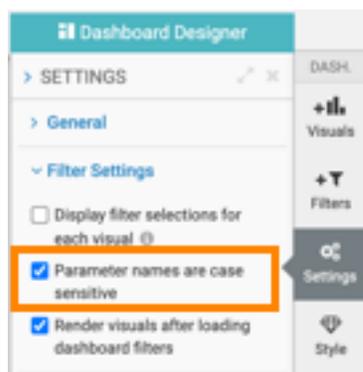
By default, Cloudera Data Visualization processes all parameter data in case-sensitive manner. It also has an option for disabling case-sensitive comparison on dashboard settings.

About this task

This example demonstrates how to create a simple dashboard with a refresh rate through using a URL link visual to access live information about the 2017 French Presidential election.

Procedure

- To enable dashboards to use case-sensitive names in output parameters, navigate to the General menu, and select the Parameter names are case sensitive option.

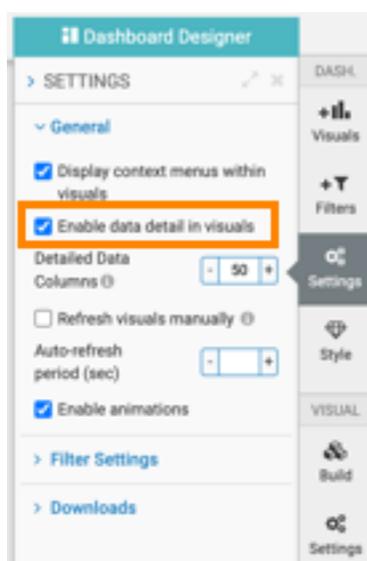


- To disable case-sensitive comparison, de-select this option.

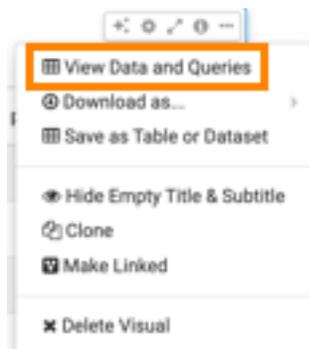
Enabling viewing data in dashboard visuals

You can view the detailed data in each visual of a dashboard Cloudera Data Visualization.

To see the detailed data of each visual in the dashboard, navigate to the Settings General menu, and select the option Enable viewing data within each visual. By default, this feature is turned off.



In dashboard Edit mode, note the difference between the available widgets on a focus visual when the option is disabled, and when it is enabled. Clicking the (table) icon opens the Detailed Data window modal, which enables you to examine and download this data.



The (table) icon also appears in view-enabled dashboards in View mode.

Rendering visuals after filters in dashboards

You can render the visuals of a dashboard after all filters load in Cloudera Data Visualization.

To load the dashboard visuals after the filtering completes, navigate to the **Settings General** menu, and select the option **Render visuals after loading dashboard filters**. By default, this feature is turned off.

Customizing download settings for dashboards

Cloudera Data Visualization supports several options for dashboard download settings. To change the options, follow these steps.

Procedure

1. On the right side of Dashboard Designer, click the Settings menu.
2. In the SETTINGS menu, click Downloads to open the download options.
3. Select the option you need.

Enabling PNG and PDF download for dashboards

You can download the visuals of a dashboard in PNG and PDF format in Cloudera Data Visualization.

To enable the download of the dashboard as a PNG image, navigate to the Downloads menu and select the Enable "Download as Image/PDF" option.

Changing dashboard scale for PDFs

You can change the dashboard scale for PDF downloads in Cloudera Data Visualization.

To change the scale of the PDF file, navigate to the Downloads menu and adjust the numerical value of the option Print PDF Scale option.

Selecting page size for PDF downloads

You can select the page size when downloading a PDF in Cloudera Data Visualization.

To change the page size of PDF downloads, navigate to the Downloads menu, and select the appropriate option in the PDF Page Size menu.

Cloudera Data Visualization supports the Letter and A4 standard sizes.

Selecting page orientation for PDF downloads

About this task

You can select the page orientation when downloading a PDF file in Cloudera Data Visualization.

To change the page orientation of PDF downloads, navigate to the Downloads menu, and select the appropriate option in the PDF Page Orientation menu.

Cloudera Data Visualization supports Portrait and Landscape.

Enabling headers/footers when printing in PDF

You can enable headers and footers for PDF files in Cloudera Data Visualization.

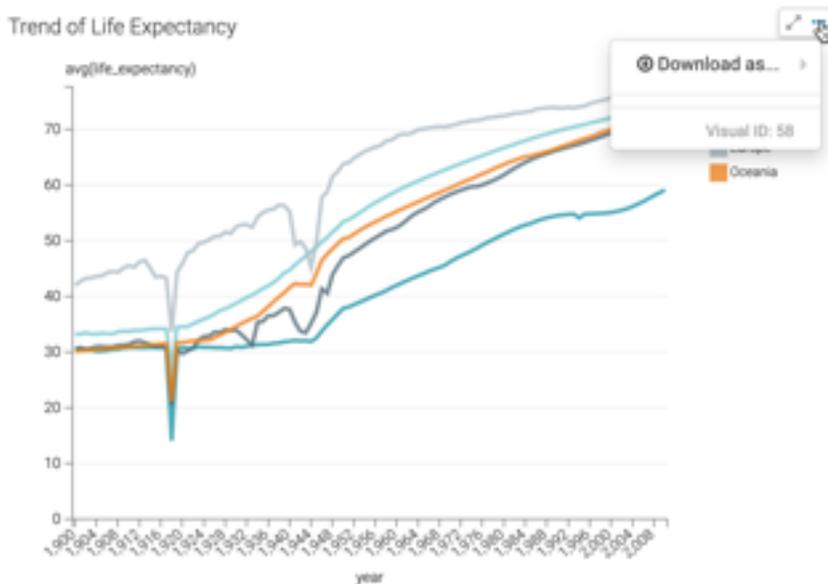
To add headers and footers to PDF, navigate to the Downloads menu and select the Enable PDF Header and Footer option.

Enabling CSV/Excel download for dashboard visuals

You can enable CSV/Excel download for visuals in a dashboard in Cloudera Data Visualization.

To enable the download of the data in the visuals as CSV or Excel files, navigate to the Downloads menu and select the Enable "Download as CSV/Excel" for visuals option.

In View mode, the visuals of the dashboards show the CSV download option, the icon when you hover the pointer over the Visual Controls.



Enabling email for a dashboard

You can email dashboards in Cloudera Data Visualization.



Note: Before using the email function, you must enable the feature in site settings. Only site administrators can customize email settings to allow users to share visuals through email. For instructions, see *Email settings*.

To allow the user to email dashboards, navigate to the Downloads menu and select the Enable emails option.

Related Information

[Email settings](#)

Showing borders around visuals

You can add borders to create a frame around visuals in a dashboard in Cloudera Data Visualization.

To show borders for all visuals, navigate to the Style > Visual Borders menu, and select the Show borders around visuals option. By default, visuals in a dashboard do not show borders.

For example, compare the two visuals: one with a hidden border, and the other with a border showing.

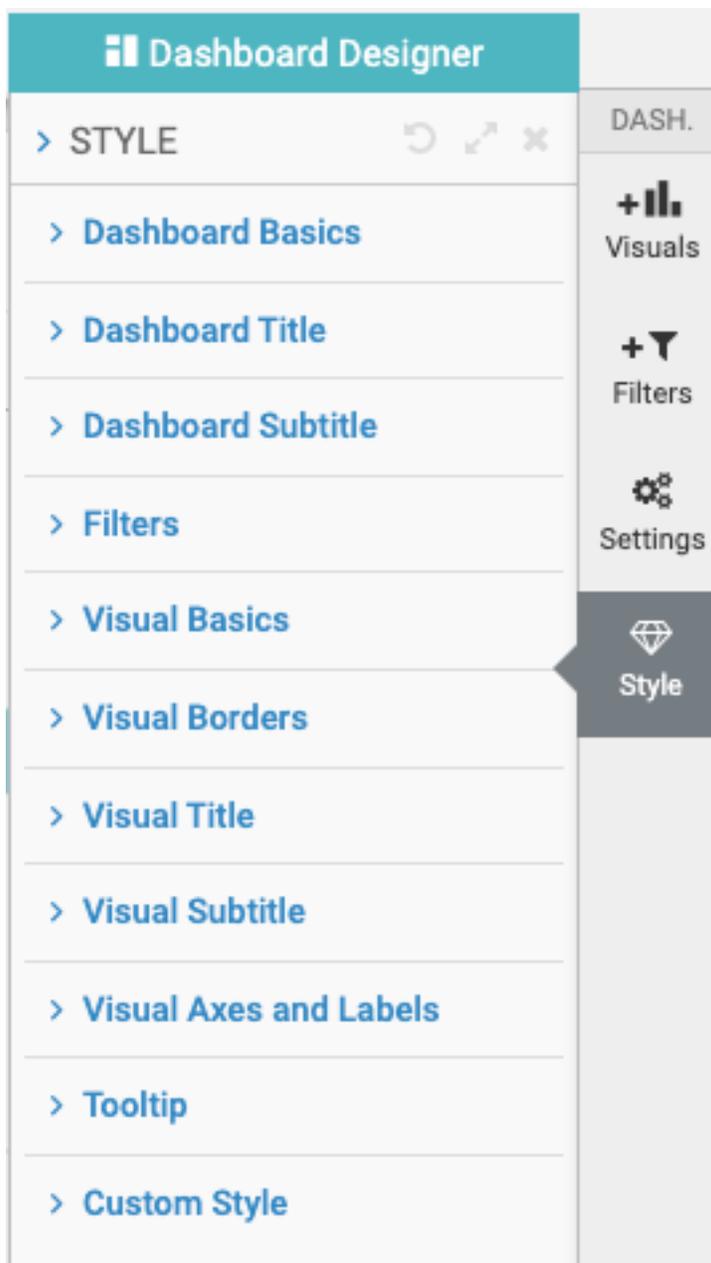
Customizing dashboard style

Cloudera Data Visualization supports several options for styling on dashboards. To change the options for dashboard style, follow these steps.

Procedure

1. On the right side of Dashboard Designer, click the Style menu.

2. In the Style menu, you can see a list of options that contain all the style adjustments.



3. Select the option you need.

Basics styles

About this task

You can adjust several style options for basics in Cloudera Data Visualization dashboards. To get to the options in the Dashboard Basics menu, follow these steps:

Procedure

1. On the right side of Dashboard Designer, click the Style menu.
2. In the Style menu, click Dashboard Basics.

3. Select one of the options.

Dashboard text color

You can change the color of the text in the dashboard in Cloudera Data Visualization.

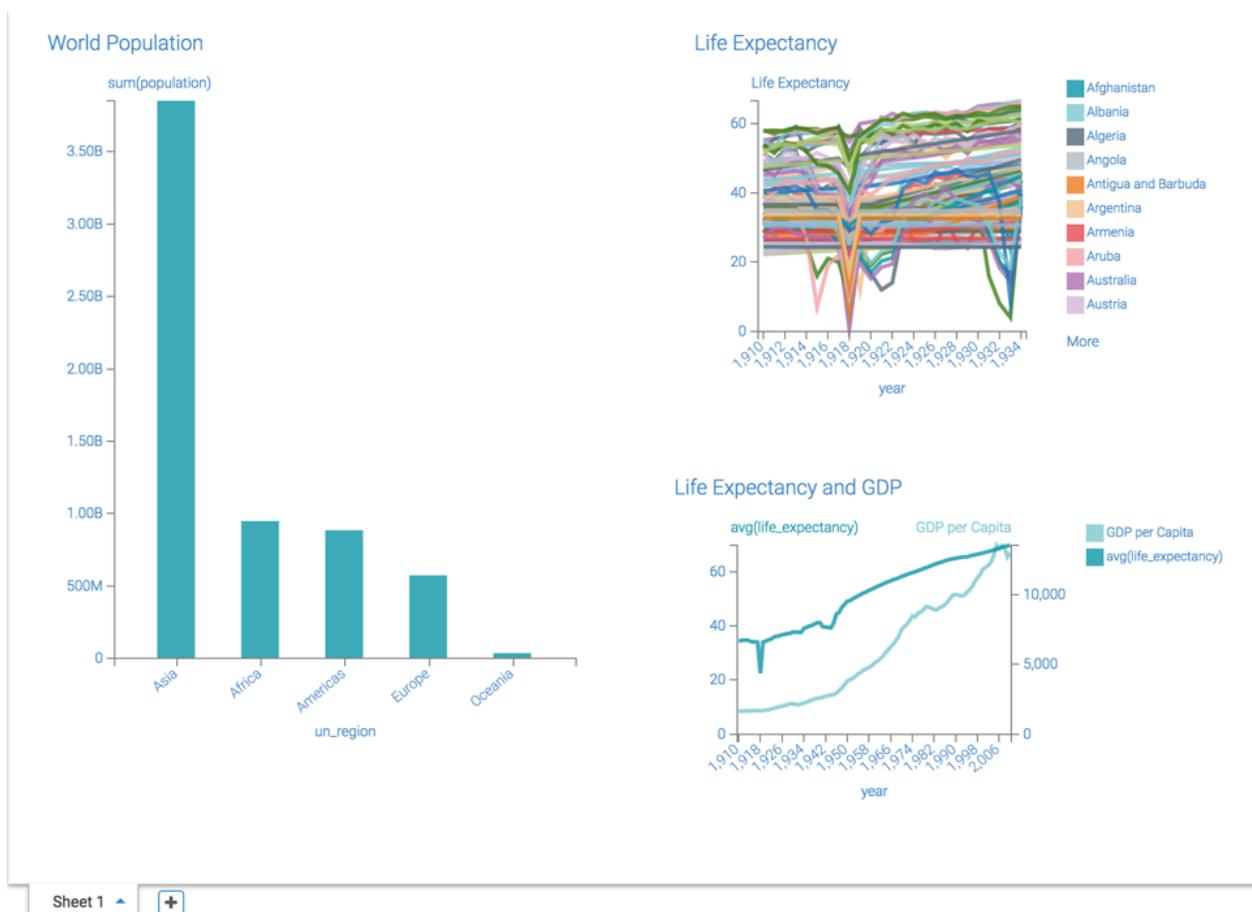
To change the color of the text in the dashboard, navigate to the dashboard Style menu, select the Dashboard Basics menu, and select a new color in the Text Color selector.

You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette. You can also adjust color opacity. The default is no color.

The following image shows the dashboard text before changing the color.



The following image shows the dashboard text after changing the color.



Dashboard background color

You can change the color of the background in the dashboard in Cloudera Data Visualization.

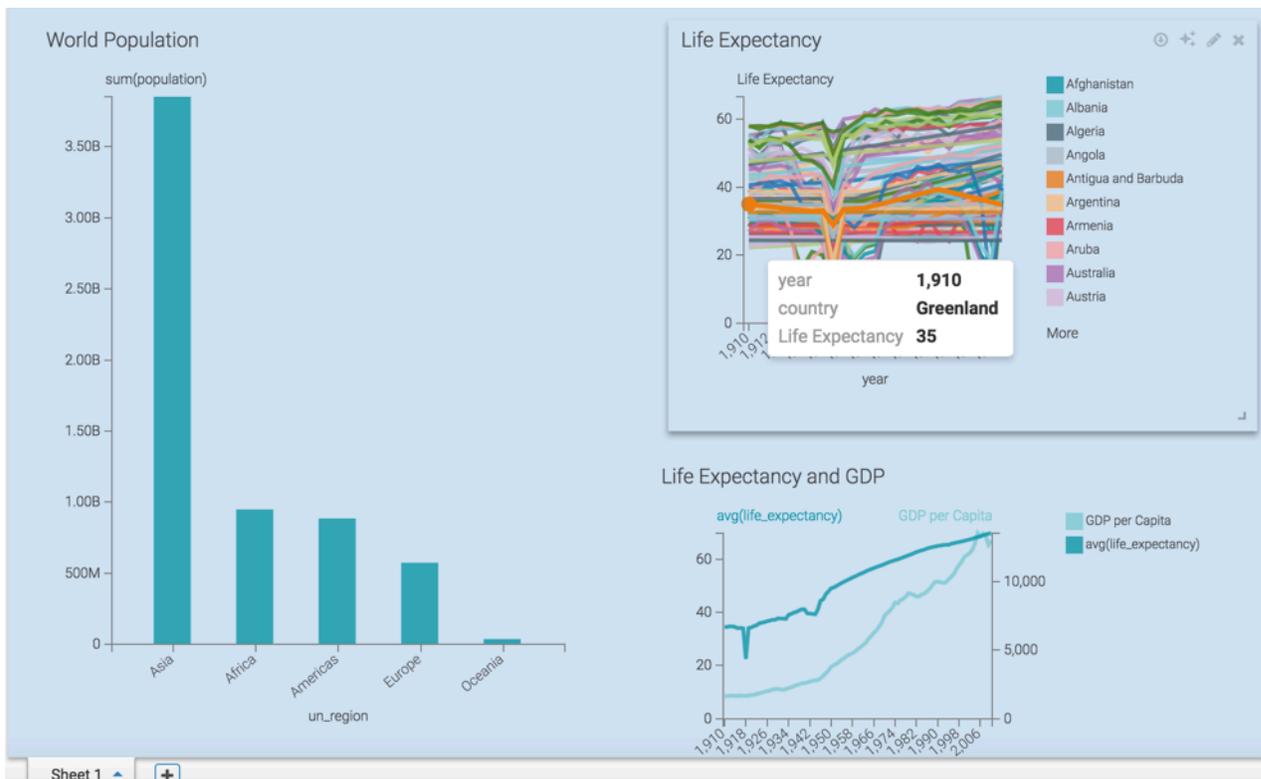
To change the color of the background in the dashboard, navigate to the dashboard Style menu, select the Dashboard Basics menu, and select a new color in the Background Color selector.

You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity). The default is no color.

The following image shows the dashboard background before changing the color.



The following image shows the dashboard background after changing the color.



Dashboard page background color

You can change the color of the page background in the dashboard in Cloudera Data Visualization.

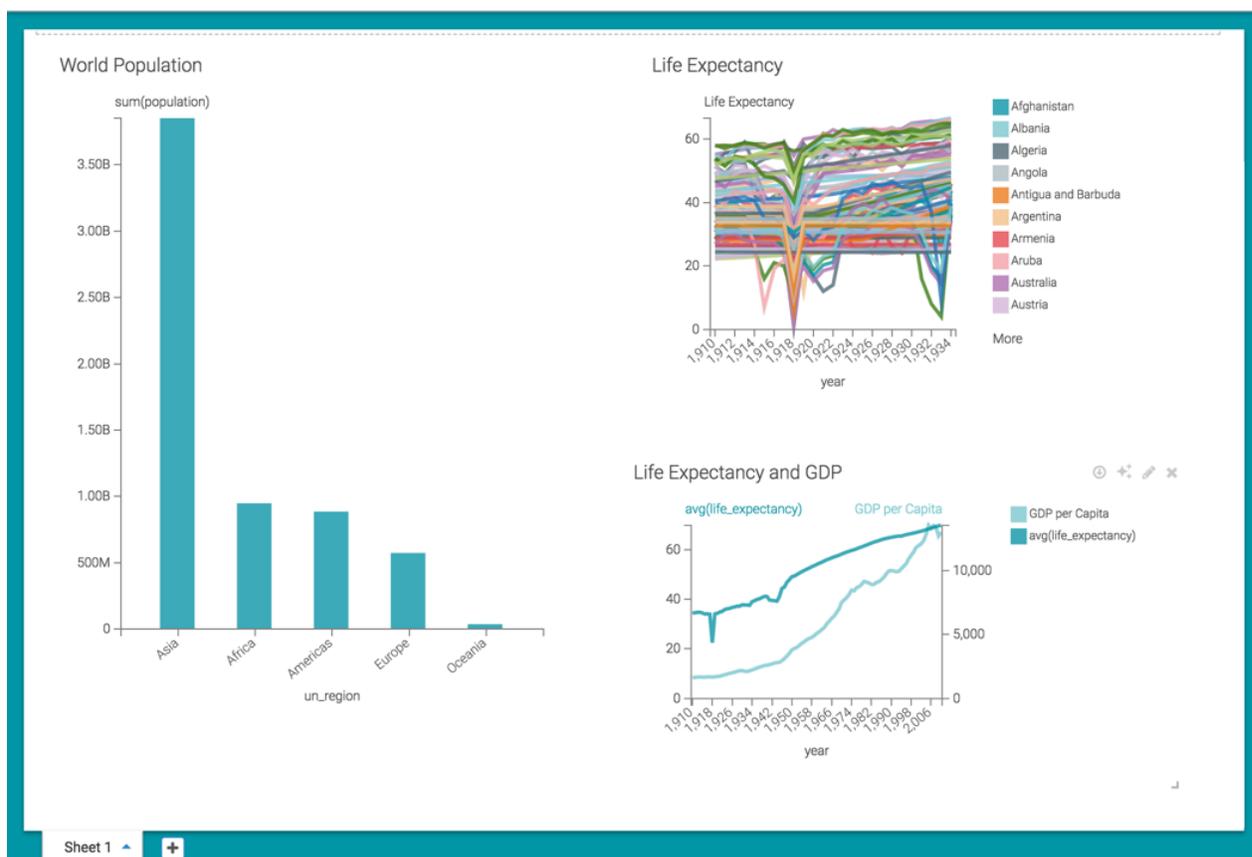
To change the color of the page background in the dashboard, navigate to the dashboard Style menu, select the Dashboard Basics menu, and select a new color in the Page Background Color selector.

You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette. You can also adjust color opacity. The default is no color.

The following image shows the dashboard page background before changing the color.



The following image shows the dashboard page background after changing the color.



Dashboard titles styles

About this task

You can adjust several style options for dashboard titles in Cloudera Data Visualization dashboards. To get to the options in the Dashboard Title menu, follow these steps:

Procedure

1. On the right side of Dashboard Designer, click the Style menu.
2. In the Style menu, click Dashboard Title.
3. Select one of the options.

Dashboard titles font family

You can change the font of the dashboard title in Cloudera Data Visualization.

To change the font of the dashboard title, navigate to the dashboard Style menu, select the Dashboard Title menu, and then select a new font in the Font Family selector.

Dashboard titles font size

You can change the font size of the dashboard title in Cloudera Data Visualization.

To change the font size of the dashboard title, navigate to the dashboard Style menu, select the Dashboard Title menu, and then adjust the Font Size selector.

Dashboard titles font weight

You can change the font weight of the dashboard title in Cloudera Data Visualization.

To change the font weight of the dashboard title, navigate to the dashboard Style menu, select the Dashboard Title menu, and then select the new font weight in the Font Weight selector.

Dashboard titles text color

You can change the text color of the dashboard title in Cloudera Data Visualization.

To change the color of the text in the dashboard title, navigate to the dashboard Style menu, select the Dashboard Title menu, and then select a new color in the Text Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity). The default is no color.

Dashboard titles background color

You can change the background color of the dashboard title in Cloudera Data Visualization.

To change the color of the background in the dashboard title, navigate to the dashboard Style menu, select the Dashboard Title menu, and then select a new color in the Background Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity). The default is no color.

Dashboard titles alignment

You can change the alignment of the dashboard title in Cloudera Data Visualization.

To change the alignment of the dashboard title, navigate to the dashboard Style menu, select the Dashboard Title menu, and then select the desired Alignment option. By default, the title is left-aligned.

Hiding dashboard titles

You can hide a dashboard title in Cloudera Data Visualization.

To hide the dashboard title, navigate to the dashboard Style menu, select the Dashboard Title menu, and then select the Hide title in view mode option. By default, the title is on.

Dashboard subtitles styles

About this task

You can adjust several style options for dashboard subtitles in Cloudera Data Visualization dashboards. To get to the options in the Dashboard Subtitle menu, follow these steps:

Procedure

1. On the right side of Dashboard Designer, click the Style menu.
2. In the Style menu, click Dashboard Subtitle.
3. Select one of the options.

Dashboard subtitles font family

You can change the font of the dashboard subtitle in Cloudera Data Visualization.

To change the font of the dashboard subtitle, navigate to the dashboard Style menu, select the Dashboard Subtitle menu, and then select a new font in the Font Family selector.

Dashboard subtitles font size

You can change the font size of the dashboard subtitle in Cloudera Data Visualization.

To change the font size of the dashboard subtitle, navigate to the dashboard Style menu, select the Dashboard Subtitle menu, and then select a new font in the Font Size selector.

Dashboard subtitles text color

You can change the text color of the dashboard subtitle in Cloudera Data Visualization.

To change the color of the text in the dashboard subtitle, navigate to the dashboard Style menu, select the Dashboard Subtitle sub-menu, and then select a new color in the Text Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity). The default is no color.

Dashboard subtitles background color

You can change the background color of the dashboard subtitle in Cloudera Data Visualization.

To change the color of the background in the dashboard subtitle, navigate to the dashboard Style menu, select the Dashboard Subtitle sub-menu, and then select a new color in the Background Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity). The default is no color.

Dashboard subtitles alignment

You can change the alignment of the dashboard subtitle in Cloudera Data Visualization.

To change the alignment of the dashboard subtitle, navigate to the dashboard Style menu, select the Dashboard Subtitle sub-menu, and then select the desired Alignment option. By default, the title is left-aligned.

Dashboard filter styles

About this task

You can adjust several style options for dashboard filters in Cloudera Data Visualization.

To get to the options in the Filters menu, follow these steps:



Note: These styling choices affect the filter appearance when it is in the filter area of the dashboard. When you choose to place the filter inside the main dashboard area, it takes on the default style choices of the visuals in the dashboard.

Procedure

1. On the right side of Dashboard Designer, click the Style menu.
2. In the Style menu, click Filters.
3. Select one of the options.

Aligning dashboard filters

You can change the alignment of the dashboard filter controls in Cloudera Data Visualization. To show filters on the left of the dashboard, navigate to the dashboard Style menu, select the Filters menu, and select the Align filters on the left option. By default, the filter controls of a visual appear across the top.



Note: Cloudera recommends that you do not use this option with quick filters. For more information, see *Using quick filters*.

Related Information

[Using quick filters](#)

Using filter labels inline

You can change the position of the dashboard filter labels in Cloudera Data Visualization. To show labels inline with selectors, navigate to the dashboard Style menu, select the Filters menu, and select the Display labels inline option. By default, the filter labels appear over its selection controls.



Note: This option is only available when the dashboard has filters across the top.

Hiding filters line separator

You can hide the line separator in dashboard filters in Cloudera Data Visualization. To hide the separator, navigate to the dashboard Style menu, select the Filters menu, and select the Display line separator option. By default, the filter shows the line separator.



Note: This option is only available when the filter labels appear over the selection controls.

Hiding borders for filters in dashboards

You can hide filter borders in dashboards in Cloudera Data Visualization. To hide the filter borders, navigate to the dashboard Style menu, select the Filters menu, and select the Show borders around filters option. By default, the borders are on.

Changing dashboard filter font

You can change filter font family in dashboards in Cloudera Data Visualization. To change the font used in a dashboard filter, navigate to the dashboard Style menu, select the Filters menu, and select the Font Family selector.

Changing dashboard filter font size

You can change filter font size in dashboards in Cloudera Data Visualization. To change the size of the font used in a dashboard filter, navigate to the dashboard Style menu, select the Filters sub-menu, and select the Font Size selector.

Changing text color for dashboard filter

You can change the text color of the filter in dashboards in Cloudera Data Visualization. To change the color of the text in all filters of the dashboard, navigate to the dashboard Style menu, select the Filters menu, and select a new color in the Text Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity).

Changing selected text color for dashboard filter

You can change the color of the selected text in dashboard filters in Cloudera Data Visualization. To change the color of the selected text in all filters of the dashboard, navigate to the dashboard Style menu, select the Filters menu, and select a new color in the Selected Text Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity).

Changing container color for dashboard filter

You can change the color of the container in dashboard filters in Cloudera Data Visualization. To change the color of the containers in all filters of the dashboard, navigate to the dashboard Style menu, select the Filters menu, and select a new color in the Container Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity).

Changing background color for dashboard filter

You can change the background color of the dashboard filters in Cloudera Data Visualization. To change the color of the background in the filters of the dashboard, navigate to the dashboard Style menu, select the Filters menu, and

select a new color in the Background Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity).

Visual basics styles in dashboards

About this task

You can find several basic style options for dashboard visuals in Cloudera Data Visualization.

To get to the options in the Visual Basics menu, follow these steps:

Procedure

1. On the right side of Visual Designer, click the Style menu.
2. In the Style menu, click Visual Basics.
3. Select one of the options.

Visual basic font family in dashboards

You can change the font of the visuals of a dashboard in Cloudera Data Visualization. To change the font for the visuals in the dashboard, navigate to the dashboard Style menu, select the Visual Basics sub-menu, and then select a new font in the Font Family selector.

Visual basic font size in dashboards

You can change the font size of the visuals of a dashboard in Cloudera Data Visualization. To change the size of the font in the visuals in the dashboard, navigate to the dashboard Style menu, select the Visual Basics sub-menu, and then select a new font in the Font Size selector.

Visual basic background color in dashboards

You can change the font size of the visuals of a dashboard in Cloudera Data Visualization. To change the color of the background in the visual, navigate to the dashboard Style menu, select the Visual Basics sub-menu, and then select a new color in the Background Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity). The default is no color.

Visual border styles in dashboards

About this task

You can find several border style options for dashboard visuals in Cloudera Data Visualization.

To get to the options in the Visual Borders menu, follow these steps:

Procedure

1. On the right side of Dashboard Designer, click the Style menu.
2. In the Style menu, click Visual Borders.
3. Select one of the options.

Show borders on visuals in dashboards

You can show visual borders in dashboards in Cloudera Data Visualization. To show the borders for all visuals, navigate to the dashboard Style menu, select the Visual Borders sub-menu, and select the Show borders around visuals option. By default, the borders are off.



Note: The width of the border is 1px.

Change visual border color in dashboards

You can change the visual border color in dashboards in Cloudera Data Visualization. To change the color of borders for all visuals that appear on this dashboard, navigate to the dashboard Style menu, select the Border Color sub-menu, and select a new color in the Border Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity).



Note: This option is not available if the Show Borders is not on. When you turn on the Show Borders option, the color is not specified in the selector. However, the default that shows on the dashboard is light grey, or #E6E6E6.

Change visual border radius in dashboards

You can change the visual border radius in dashboards in Cloudera Data Visualization. To change the radius of borders on visuals or how curvy the corners are, navigate to the dashboard Style menu, select the Visual Borders sub-menu, and select a new color in the Border Radius option.



Note: This option is available only when Show Borders is enabled. When you turn on the Show Borders option, the default radius is 3. To make the corners curvier than the default, increase the radius setting. To set the borders to square corners, use the radius value of 0.

Visual titles styles in dashboard

About this task

You can adjust several style options for visual titles in Cloudera Data Visualization dashboards.

To get to the options in the Visual Title menu, follow these steps:

Procedure

1. On the right side of Dashboard Designer, click the Style menu.
2. In the Style menu, click Visual Title.
3. Select one of the options.

Visual title font family in dashboards

You can change the font of the visual title in Cloudera Data Visualization dashboards. To change the font of the text in titles of all visuals of the dashboard, navigate to the dashboard Style menu, select the Visual Title menu, and then select a new font in the Font Family selector.

Visual title font size in dashboards

You can change the font size of the visual title in Cloudera Data Visualization dashboards. To change the font size of the text in titles of all visuals of the dashboard, navigate to the dashboard Style menu, select the Visual Title menu, and then adjust the Font Size selector.

Visual title font weight in dashboards

You can change the font weight of the visual title in Cloudera Data Visualization dashboards. To change the font weight of the text in titles of all visuals of the dashboard, navigate to the dashboard Style menu, select the Visual Title menu, and then select the new font weight in the Font Weight selector.

Visual title text color in dashboards

You can change the text color of the visual title in Cloudera Data Visualization dashboards. To change the color of the text in titles of all visuals of the dashboard, navigate to the dashboard Style menu, select the Visual Title menu, and then select a new color in the Text Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity).

Visual title background color in dashboards

You can change the background color of the visual title in Cloudera Data Visualization dashboards. To change the color of the background in the title of all visuals of the dashboard, navigate to the dashboard Style menu, select the Visual Title menu, and then select a new color in the Background Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity).

Visual title alignment in dashboards

You can change the alignment of the visual title in Cloudera Data Visualization dashboards. To change the alignment of the text in titles of all visuals of the dashboard, navigate to the dashboard Style menu, select the Visual Title menu, and then select the desired Alignment option. By default, the title is left-aligned.

Visual subtitles styles in dashboard

About this task

You can adjust several style options for visual subtitles in Cloudera Data Visualization dashboards.

To get to the options in the Visual Subtitle menu, follow these steps:

Procedure

1. On the right side of Dashboard Designer, click the Style menu.
2. In the Style menu, click Visual Subtitle.
3. Select one of the options.

Visual subtitle font family in dashboards

You can change the font of the visual subtitle in Cloudera Data Visualization dashboards. To change the font of the text in subtitles of all visuals of the dashboard, navigate to the dashboard Style menu, select the Visual Subtitle menu, and then select a new font in the Font Family selector.

Visual subtitle font size in dashboards

You can change the font size of the visual subtitle in Cloudera Data Visualization dashboards. To change the font size of the text in subtitles of all visuals of the dashboard, navigate to the dashboard Style menu, select the Visual Subtitle menu, and then adjust the Font Size selector.

Visual subtitle text color in dashboards

You can change the text color of the visual subtitle in Cloudera Data Visualization dashboards. To change the color of the text in subtitles of all visuals of the dashboard, navigate to the dashboard Style menu, select the Visual Subtitle

menu, and then select a new color in the Text Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity).

Visual subtitle background color in dashboards

You can change the background color of the visual subtitle in Cloudera Data Visualization dashboards. To change the color of the background in the subtitle of all visuals of the dashboard, navigate to the dashboard Style menu, select the Visual Subtitle menu, and then select a new color in the Background Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity).

Visual subtitle alignment in dashboards

You can change the alignment of the visual subtitle in Cloudera Data Visualization dashboards. To change the alignment of the text in subtitles of all visuals of the dashboard, navigate to the dashboard Style menu, select the Visual Subtitle menu, and then select the desired Alignment option. By default, the title is left-aligned.

Visual axes and labels styles in dashboards

About this task

You can adjust several style options for visual axes and labels in Cloudera Data Visualization dashboards.

To get to the options in the Visual Axes and Labels menu, follow these steps:

Procedure

1. On the right side of Dashboard Designer, click the Style menu.
2. In the Style menu, click Visual Axes and Labels.
3. Select one of the options.
4. To style the visuals individually, de-select the Override visual style settings option, and specify the corresponding setting in each visual.

Axis label font size in dashboards

You can change the font size of the axis labels in visuals in Cloudera Data Visualization dashboards. To change the font size used by the axis labels in all visuals that appear on this dashboard, navigate to the dashboard Style menu, select the Visual Axes and Labels sub-menu, and make adjustments in the Axis Label Font Size selector.

To style the visuals individually, de-select the Override visual style settings option, and specify the corresponding setting in each visual.

Axis ticks font size in dashboards

You can change the font size of the axis ticks in visuals in Cloudera Data Visualization dashboards. To change the font size used by the axis ticks in all visuals that appear on this dashboard, navigate to the dashboard Style menu, select the Visual Axes and Labels sub-menu, and make adjustments in the Axis Ticks Font Size selector.

To style the visuals individually, de-select the Override visual style settings option, and specify the corresponding setting in each visual.

Visual label font size in dashboards

You can change the font size of the visual labels in Cloudera Data Visualization dashboards. To change the font size used by the labels in all visuals that appear on this dashboard, navigate to the dashboard Style menu, select the Visual Axes and Labels sub-menu, and make adjustments in the Label Font Size selector.

To style the visuals individually, de-select the Override visual style settings option, and specify the corresponding setting in each visual.

Visual label title text color in dashboards

You can change the text color of a trellis used in visuals in Cloudera Data Visualization dashboards. To change the font size used of a trellis in all visuals that appear on this dashboard, navigate to the dashboard Style menu, select the Visual Axes and Labels sub-menu, and make adjustments in the Label Text Color selector. You can choose from one of the standard system colors, specify a hexadecimal or RGB color, or select one in the continuous color palette (you can also adjust color opacity).



Note: This style option overrides the selection at the level of the individual visual. To style the visuals individually, de-select the Override visual style settings option, and specify the corresponding setting in each visual.

Visual trellis font size in dashboards

You can change the font size of a trellis in visuals in Cloudera Data Visualization dashboards. To change the font size used of a trellis in all visuals that appear on this dashboard, navigate to the dashboard Style menu, select the Visual Axes and Labels sub-menu, and make adjustments in the Trellis Font Size selector.

To style the visuals individually, de-select the Override visual style settings option, and specify the corresponding setting in each visual.

Visual legend font size in dashboards

You can change the font size of a legend in visuals in Cloudera Data Visualization dashboards. To change the font size used of the legend in all visuals that appear on this dashboard, navigate to the dashboard Style menu, select the Visual Axes and Labels sub-menu, and make adjustments in the Legend Font Size selector.

Tooltips in dashboards

About this task

You can adjust several style options for tooltips in Cloudera Data Visualization dashboards.

To get to the options in the Visual Axes and Labels menu, follow these steps:

Procedure

1. On the right side of Dashboard Designer, click the Style menu.
2. In the Style menu, click Tooltips.
3. Select one of the options.

Tooltip font family in dashboards

You can change the font of the tooltips in Cloudera Data Visualization dashboards. To change the font of the tooltips in all visuals of the dashboard, navigate to the dashboard Style menu, select the Tooltip sub-menu, and then select a new font in the Font Family selector.

Tooltip font size in dashboards

You can change the font size of the tooltips in Cloudera Data Visualization dashboards. To change the font size of the tooltips used in all visuals of the dashboard, navigate to the dashboard Style menu, select the Tooltip sub-menu, and adjust the Font Size selector.

Adding custom styles to dashboards

Cloudera Data Visualization supports several options for custom styling on dashboards.

About this task

To change the options for custom styles on dashboards, follow these steps:

Procedure

1. On the right side of Dashboard Designer, click the Custom Style menu.
2. In the Style menu, choose from the available custom style options.

Adding CSS classes to dashboards

You can add CSS classes to Cloudera Data Visualization dashboards.

To add CSS classes to a dashboard, navigate to the dashboard Custom Style menu, and enter the name(s) of classes in the text box for the option CSS classes for this dashboard.

Adding included styles to dashboards

You can add defined styles to all visuals in Cloudera Data Visualization dashboards.

To add previously defined styles to all visuals in a dashboard, navigate to the dashboard Custom Style menu, click the Add Style button, select one or more existing styles from the menu, and click Add.

You can also search or sort the custom styles in the Pick Custom CSS interface.

Searching custom styles in dashboards

Cloudera Data Visualization enables you to search custom styles in dashboards by Name and Modified By fields. You can also search by the content of CSS and Javascript code.

About this task

When you start typing characters in the search text box, the search results display the exact match on the top, followed by the closest matches. You must type at least two characters to start the search.

To demonstrate how to search custom styles in dashboards, follow these steps:

Procedure

1. Navigate to the Custom Style menu, click the Add Style button.
The Pick Custom CSS interface appears.
2. To demonstrate how to search the list of custom styles, enter Pie in the Search text box.
3. To search the list of custom styles by JavaScript code, follow these steps:
 - a) Click the (pencil)icon next to the Pie Chart Legend Label to view the JavaScript code of this style.
 - b) Enter Not Applicable in the Search text box.

Sorting custom styles in dashboards

Cloudera Data Visualization enables you to sort custom styles in dashboards by ID, Name, Last Updated, and Modified By fields. You can sort in ascending or descending order.

About this task



Note: You cannot sort by the Description field.

To demonstrate how to sort custom styles in dashboards, follow these steps:

Procedure

1. Navigate to the Custom Style menu, click the Add Style button.
The Pick Custom CSS interface appears.
2. Click the Name field.
When you hover over a field, notice that a (hand icon) appears only on the fields that you can sort.
3. To sort the field in descending order, click the Name field again.

Adding inline CSS code to dashboards

You can apply simple formatting to visuals with CSS code snippets in Cloudera Data Visualization dashboards.

To add simple formatting to all the visuals in the dashboard, navigate to the dashboard Custom Style menu, and enter a CSS code snippet under the Enter in-line CSS option. You can select the Autocomplete option, too.

To apply this operation at the level of a specific visual, see *Adding inline CSS code to visuals*.

Related Information

[Adding inline CSS code to visuals](#)

Resetting dashboard style

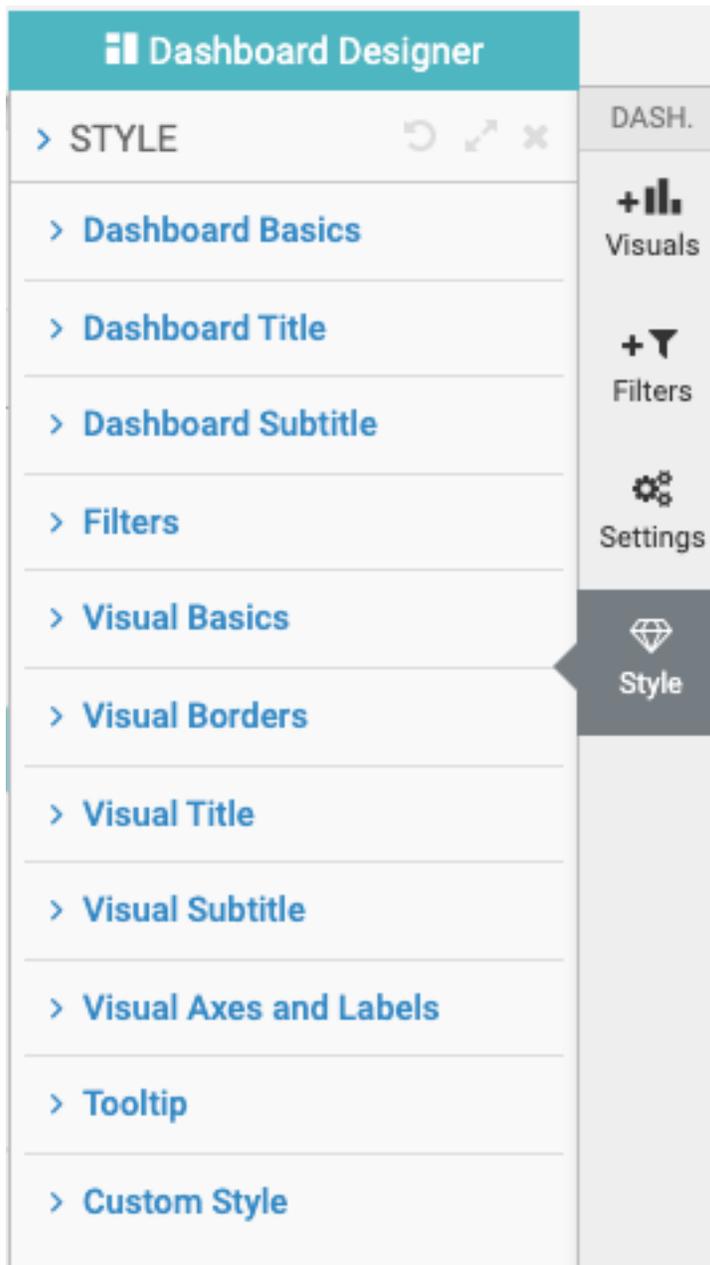
You can reset the styling of a dashboard to its default settings. To change the style back, follow these steps.

Procedure

1. Open the dashboard in Edit mode.
2. On the right side of the Dashboard Designer, click the Style menu.

3.

In the Style menu, click  at the top right corner to reset the dashboard to its original style.



4. Save the dashboard to preserve the new style.

Creating a dashboard with multi-page table visuals

This customization example shows you how to build an embedded dashboard that prints the full contents of a table as part of a dashboard print. This dashboard contains visuals at the top, and a table at the bottom. The table prints as many pages as necessary to display all rows. Table headers repeat at the top of each page. Several custom styles are used to achieve the desired outcome.

About this task

Complete these tasks to develop a dashboard with a large table that prints over multiple pages.

Procedure

1. Create the custom table style.

These steps show how to create and add a dashboard style for printing long tables over multiple pages. This table must be the last visual in the dashboard.

a) Create a new style, named Print PDF table - CSS/JS.

For help on how to create a new style, see *CSS custom styles*. The optional description for this style can be as follows:

Add this Style to the table to be printed on multiple pages.
The table must be the last visual in the dashboard.

b) In the CSS tab, add the following code.

You can download it as `multi-page-table.css`.

```
@charset "UTF-8";
/* CSS Document */

/* To disable the known csslint warning for this file. */
/*csslint
box-sizing: false,
important: false,
adjoining-classes: false,
overqualified-elements: false,
box-model: false,
known-properties: false
*/

/* screen table style */
.print-pdf-table table.table-bordered.dataTable {
  border-collapse: collapse !important;
}

.print-pdf-table .dataTables_scrollBody table tbody tr td {
  height: 0.53cm !important; /* table row height */
  box-sizing: border-box;
  font-size: 10px;
}

@media print {
  @page {
    size: letter landscape;
    margin: 1.27cm 1.27cm 1.27cm 1.27cm;
  }

  .print-pdf-table .dataTables_scrollBody table thead tr th {
    border-bottom: solid #000 2px !important; /* bottom border of table
header */
    font-size: 12px;
    font-weight: bold;
    height: 1.48cm !important; /* table header height */
    line-height: 1;
    padding: 12px 8px !important;
  }

  .print-pdf-table .dataTables_scrollBody table thead tr th > div {
    height: 1.48cm !important; /* table header height */
    display: flex;
    justify-content: center;
  }
}
```

```

    flex-direction: column;
  }

  .print-pdf-table table.dataTable.table-viz thead > tr > th.sorting {
    padding: inherit;
    padding-right: 8px; /* remove extra space where sort icon is displayed */
  }

  .print-pdf-table .dataTables_scrollBody table tbody tr td {
    height: 0.53cm !important; /* table row height */
    box-sizing: border-box;
    font-size: 10px;
  }

  .gs-w.print-pdf-table .dataTables_scrollBody {
    max-height: none !important;
  }

  /* this class prints the table on the second page */
  /* remove to print normally */
  .gs-w.print-pdf-table {
    position: absolute;
    top: 40px; /* add landscape page height + top margin */
  }

  .gs-w.print-pdf-table {
    height: unset !important;
  }

  .print-pdf-table .dash-viz-wrapper {
    display: contents;
  }
  .print-pdf-table .arc-viz-container {
    overflow: unset !important;
  }

  .main-app.arc-app-container.view-mode {
    display: table;
    background-color: transparent;
  }

  .control-container {
    background-color: transparent;
  }

  .arc-dashboard-title-container {
    padding-top: 1cm; /* adjust if want more or less space at the top of the first page */
  }

  .builder-container.view-mode,
  .builder-container-app,
  .builder-container {
    display: table;
  }

  .main-app-view,
  .main-view {
    overflow: visible !important;
    top: 0;
  }

  .main-view.view-mode {

```

```

    top: 0;
  }

  .print-pdf-table table th,
  .print-pdf-table table td {
    border: 1px solid #bbb !important; /* border color */
  }

  .print-pdf-table table.table-bordered.dataTable {
    border-collapse: collapse !important;
  }

  .print-pdf-table .arc-viz-title-container {
    display: none; /* hide table title to print properly */
  }
  .print-pdf-table .dash-viz-wrapper {
    padding: 0;
  }

  .print-pdf-table .dataTables_scrollHead {
    height: 0;
  }

  .print-pdf-table .table {
    border-width: 0;
  }
  .print-pdf-table thead {
    break-inside: avoid;
    display: table-header-group;
  }

  .print-pdf-table table {
    page-break-after: always;
  }
  .print-pdf-table tfoot {
    break-inside: avoid;
    display: table-header-group;
  }

  /* hide elements when printing */
  #extension-print-btn, /* extension buttons */
  #toggle-filter-container /* filter collapse icon */
  {
    display: none;
  }
}

```

- c) In the JS tab, add the following code.

You can download it as [multi-page-table.js](#).

```

return function() {
  var f = function() {};
  f.version = "1";
  f.afterDraw = function() {
    var $sel = $('#' + arcapi.chartId());
    $sel.closest('.gs-w').addClass('print-pdf-table');
  };
  return f;
}();

```

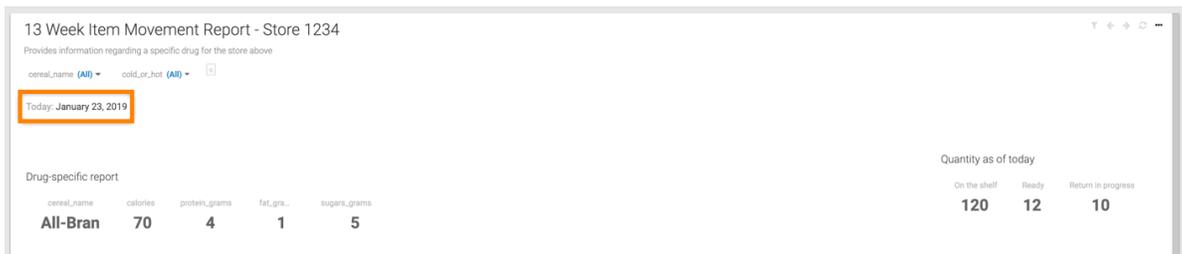
- d) Save the new style.

2. Create the dashboard.
 - a) Create a dashboard on your target dataset. For more information, see *Creating a dashboard*.
 - b) Add several visuals to the dashboard, such as KPIs, summary tables, pie charts, and so on.
 - c) Add all necessary filters to the dashboard.
3. Specify dashboard general settings to achieve correct layout in dashboard.
 - a) On the right side of Visual Designer, click the Settings menu.
 - b) In the Settings menu, click General to open that menu.
 - c) In the General menu, clear the Dashboard Width specification. For more information, see *Changing dashboard width*.
4. Specify dashboard downloads settings to print the dashboard using the PDF options.
 - a) On the right side of Visual Designer, click the Settings menu.
 - b) In the Settings menu, click Downloads to open that menu.
 - c) In the Downloads menu, make the following selections and changes:
 - Enable Download as Image/PDF
 - Enable print style PDF
 - Set "Print PDF Scale" to 0
 - Set "PDF Page Size" to Letter
 - Set "PDF Page Orientation" to Landscape
 - Enable PDF Header and Footer
5. Add time stamp.
 - a) Create the extension visual using the following definition:

```
<span style="color:#aaa">Today:</span>
<span id="tdate"></span>

<script>
$(document).ready(function() {
  var today = new Date();
  $('#tdate').html(
    $.datepicker.formatDate('MM dd, yy', today));
});
</script>
```

When you add this extension visual to the dashboard, it will look similar to this (in View mode).



6. Add capabilities to print dashboard and download PDF.

Use the following definition to create the buttons.

 - Print button with an icon, Print
 - Download PDF button with an icon, Download PDF

```
<div id="extension-print-btn">
  <button class="btn btn-xs btn-primary"
    onclick="window.print();return false;">
    <span class="fa fa-print"></span> Print</button>
```

```
<button class="pdf-download btn btn-xs btn-primary"
  onclick="$(' .viz-params-more').find('[data-arc-imageformat=&quot;pdf-current&quot;]')[0].click();">
  <span class="fa fa-download"></span> Download PDF</button>
  <div class="image-dropdown-submenu"></div>
</div>
```

When you add this extension visual to the dashboard, it would look similar to this (in View mode).

13 Week Item Movement Report - Store 1234
Provides information regarding a specific drug for the store above

cereal_name (All) cold_or_hot (All)

Today: January 23, 2019

Drug-specific report

cereal_name	calories	protein_grams	fat_gra...	sugars_grams
All-Bran	70	4	1	5

Quantity as of today

On the shelf	Ready	Return in progress
120	12	10

DOWNLOAD PDF

7. Create and customize the table visual.

These steps show you how to create and customize the main table visual. This visual should be the last (lowest) one in the dashboard.

- a) Create the table visual on the target dataset. For more information, see *Tables*.
- b) On the right side of Visual Designer, click the Style menu.
- c) In the Style menu, click Table Style.
- d) In the Table Style menu, make the following selections and changes:
 - *Choose the first table template*
 - *Table Header Alignment* set to *Align with contents*
 - *Enable Full Table Width*
 - *Wrap Column Contents*

Dashboard Designer

> VISUAL STYLE  

Apply future changes to all visuals 

▼ Table Style

Table Templates

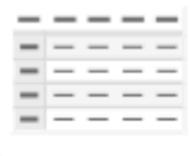
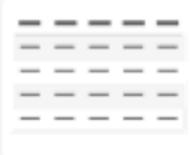
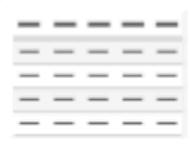


Table Header Alignment

 Align with content

Full table width

Wrap column contents

Totals Column Font Weight

Max # Columns

Show row information

Show pagination

Number of rows per page: 

DASH.

 Visuals

 Filters

 Settings

 Style

VISUAL

 Build

 Settings

 Style

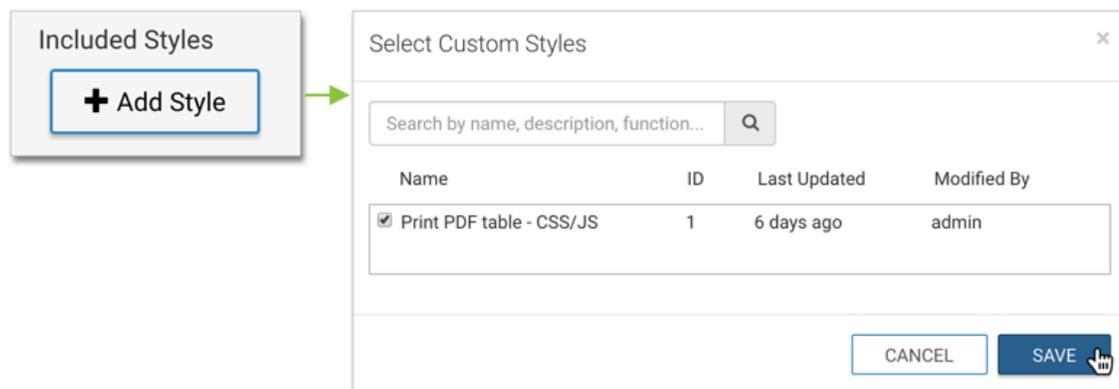
 Style

e) Switch to the Custom Style menu, and make the following changes:

- Add the style `arc-print-last-table` to the visual. For more information, see *Adding custom styles to visuals* .
- Add the style we created earlier, `Print PDF table - CSS/JS`, to the visual. For more information, see *Adding included styles to visuals* .



Note: The ID of your custom style may be different. Cloudera Data Visualization generates sequential ID on each instance.



Your Custom Style menu selections should look something like this:

CUSTOM STYLE

Enter CSS classes for the visual 

Included Styles



ID	Style Name	Actions
1	Print PDF table - CSS/JS	 

Inline CSS

Autocomplete on

- f) When you finished configuring the table, it would look similar to this in View mode of the dashboard. Ensure that this table visual is the last item on the dashboard.

13 Week Item Movement Report - Store 1234

Provides information regarding a specific drug for the store above

cereal_name (All) cold_or_hot (All)

Today, January 23, 2019

[DOWNLOAD PDF](#)

Drug-specific report

Quantity as of today

cereal_name	calories	protein_grams	fat_gra...	sugars_grams	On the shelf	Ready	Return in progress
All-Bran	70	4	1	5	120	12	10

Table printed on multiple pages

cereal_name	manufacturer	protein_gra...	fat_grams	sodium_mg	dietary_fiber_grams	sugars_grams	sum(calories)
Shredded_Wheat_spoon_size	Nabisco	3	0	0	3	0	90
Smacks	Kelloggs	2	1	70	1	15	110
Special_K	Kelloggs	6	0	230	1	3	110
Strawberry_Fruit_Wheats	Nabisco	2	0	15	3	5	90
Total_Corn_Flakes	General Mills	2	1	200	0	3	110
Total_Raisin_Bran	General Mills	3	1	190	4	14	140
Total_Whole_Grain	General Mills	3	1	200	3	3	100
Triples	General Mills	2	1	250	0	3	110
Trix	General Mills	1	1	140	0	12	110
Wheat_Chex	Ralston Purina	3	1	230	3	3	100
Totals							8,020

8. Print and download.

- After saving the dashboard, switch to View mode.
- Click PRINT on the dashboard, and then follow system prompts to complete the printing process.

Final - 13 Week Item Movement Report - Store 1234

Provides information regarding a specific drug for the store above

cereal_name (All) cold_or_hot (All)

Today: December 20, 2018

Drug-specific report

Quantity as of 7/22/2018

cereal_name	calories	protein_grams	fat_grams	sugars_grams	On the shelf	Ready	Return in progress
All-Bran	70	4	1	5	120	0	0

Table to be printed on multiple pages

cereal_name	manufacturer	protein...	fat_grams	sodium_mg	dietary_fiber_grams	sugars_grams	sum(calories)
100%_Bran	Nabisco	4	1	130	10	6	
100%_Natural_Bran	Quaker Oats	3	5	15	2	8	1:
All-Bran	Kelloggs	4	1	260	9	5	

- Click DOWNLOAD PDF on the dashboard, and then follow system prompts to complete the PDF download of the dashboard.

13 Week Item Movement Report - Store 1234

Provides information regarding a specific drug for the store above

cereal_name (All) cold_or_hot (All)

Today: January 23, 2019

Drug-specific report

Quantity as of today

cereal_name	calories	protein_grams	fat_gra...	sugars_grams	On the shelf	Ready	Return in progress
All-Bran	70	4	1	5	120	12	10

Table printed on multiple pages

cereal_name	manufacturer	protein_gra...	fat_grams	sodium_mg	dietary_fiber_grams	sugars_grams	sum(calories)
Shredded_Wheat_spoon_size	Nabisco	3	0	0	3	0	90
Smacks	Kelloggs	2	1	70	1	15	110
Special_K	Kelloggs	6	0	230	1	3	110
Strawberry_Fruit_Wheats	Nabisco	2	0	15	3	5	90
Total_Corn_Flakes	General Mills	2	1	200	0	3	110
Total_Raisin_Bran	General Mills	3	1	190	4	14	140
Total_Whole_Grain	General Mills	3	1	200	3	3	100
Triples	General Mills	2	1	250	0	3	110
Trix	General Mills	1	1	140	0	12	110
Wheat_Chex	Ralston Purina	3	1	230	3	3	100
Totals							8,020

Related Information

[CSS custom styles](#)

[Creating a dashboard](#)

[Changing dashboard width](#)

[Tables](#)

[Adding custom styles to visuals](#)

[Adding included styles to visuals](#)