WHAT'S NEW AND RELEASE NOTES

Release: 2020.3

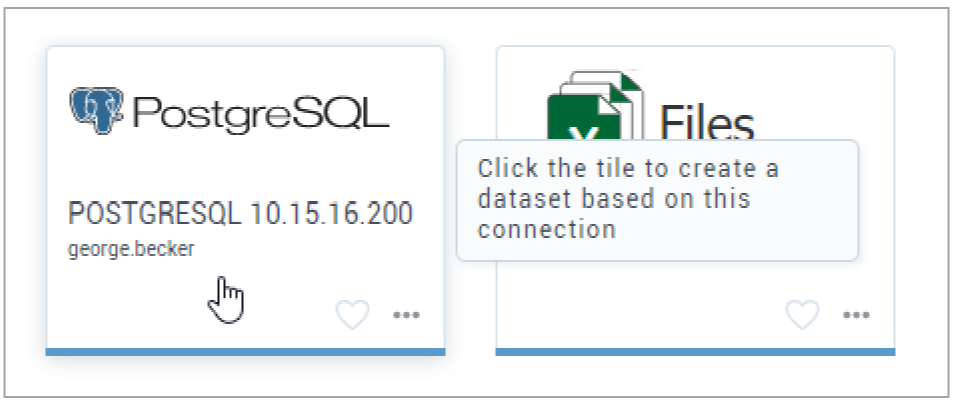
IN THIS RELEASE

NEW FEATURES AND IMPROVEMENTS

GENERAL

Blending support for Data Server

In this release, DataClarity Data Server supports JOIN statements, which allows the datasets created in DataClarity to be combined with any other data sources. After establishing a PostgreSQL data connection to Data Server with datasets, just select the data, and blend it with any other data sources. Moreover, you can blend DataClarity datasets with sources from external BI tools like Tableau, Power BI, and others.

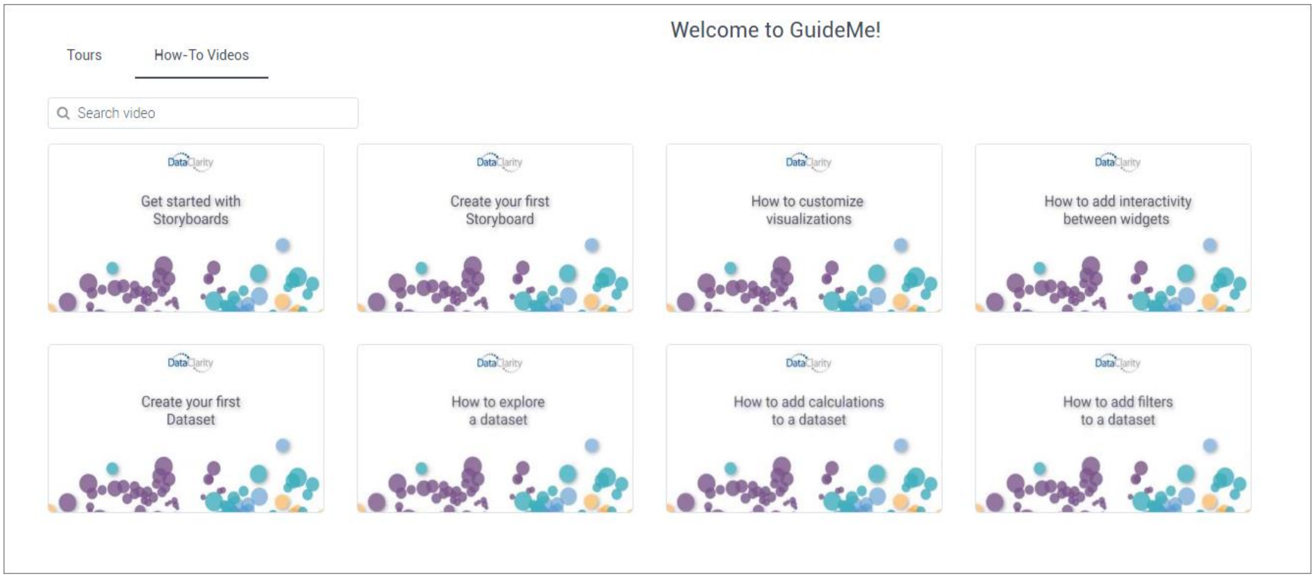


Simplified installation process

The installation process has been enhanced to simplify retrieving administrator password, updating it, and accessing Kubernetes Dashboard. Also, the 31002 port needed for installation has been changed to 5432.

Access How-to Videos directly from the platform

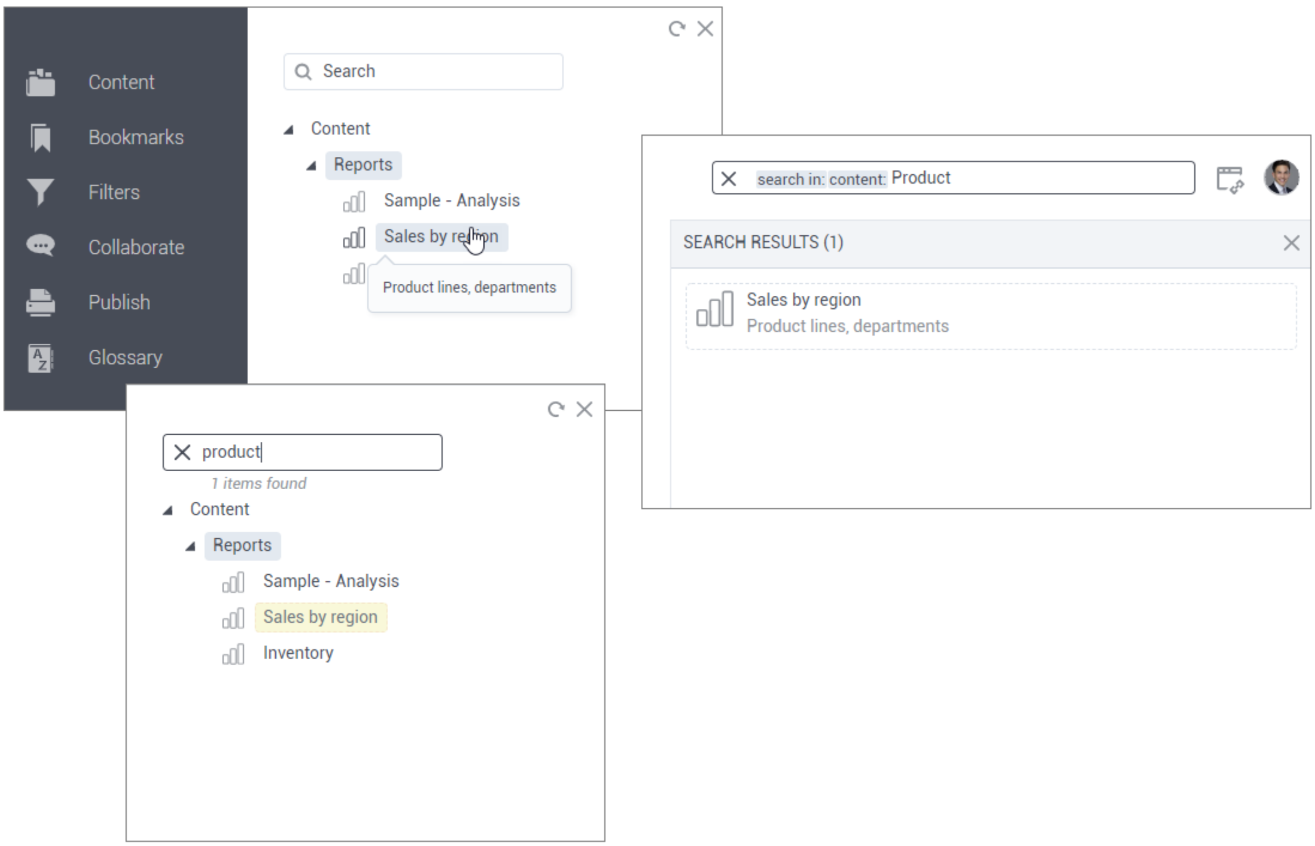
How-to videos are a great way to learn about the platform powerful capabilities and features. How-to videos are now accessible directly from the platform interface. To find the videos, on the toolbar, point to the **Help** icon, click **Guided tours**, and navigate to the **How-To Videos** tab. The **Search** field has been added to help you find the content you need. Hover over a video tile to see what it is covered in the video.



PORTALS

Search by tooltip in reports

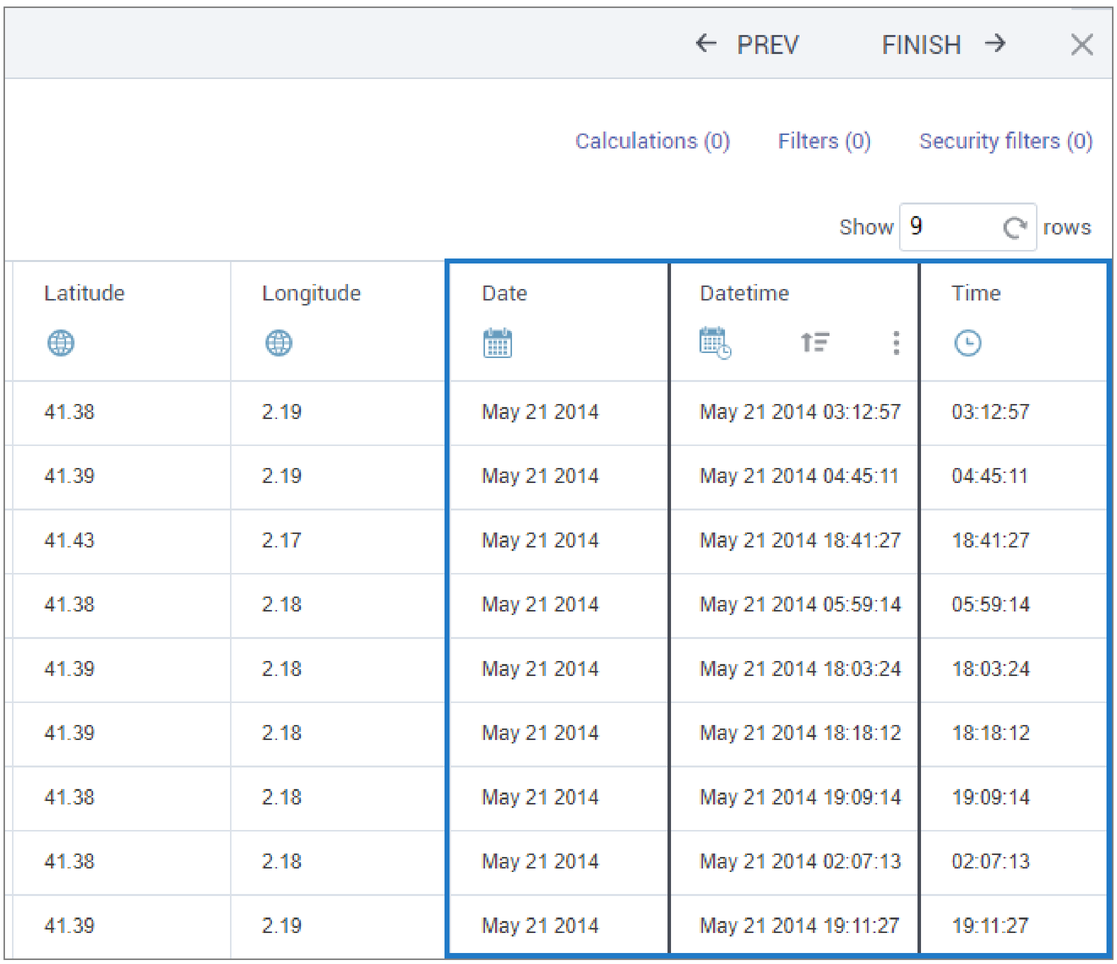
The search capability in Portals has been extended to tooltips. Now, when searching for the reports in the **Content** pane or in the general search, the search checks not only the report or content name, but also the tooltip associated with it.



DATA PREPARATION

Support for DateTime and Time data types in files

In addition to the Date column types, users now have support for DateTime and Time columns when creating file-based datasets. The data profiling automatically identifies the DateTime and Time column types and sets the appropriate data reporting role matching the physical data type. This feature provides users with more options and flexibility to create DateTime and Time-based visualizations and analyses, and manipulate dates and times using the built-in aggregations and functions.



Latitude	Longitude	Date	Datetime	Time
41.38	2.19	May 21 2014	May 21 2014 03:12:57	03:12:57
41.39	2.19	May 21 2014	May 21 2014 04:45:11	04:45:11
41.43	2.17	May 21 2014	May 21 2014 18:41:27	18:41:27
41.38	2.18	May 21 2014	May 21 2014 05:59:14	05:59:14
41.39	2.18	May 21 2014	May 21 2014 18:03:24	18:03:24
41.39	2.18	May 21 2014	May 21 2014 18:18:12	18:18:12
41.38	2.18	May 21 2014	May 21 2014 19:09:14	19:09:14
41.38	2.18	May 21 2014	May 21 2014 02:07:13	02:07:13
41.39	2.19	May 21 2014	May 21 2014 19:11:27	19:11:27

When using built-in Date, DateTime or Time calculations, DataClarity's Data Engine sends optimized native SQL calculations to all the data sources and executes in memory the calculations that are not supported by the underlying sources.

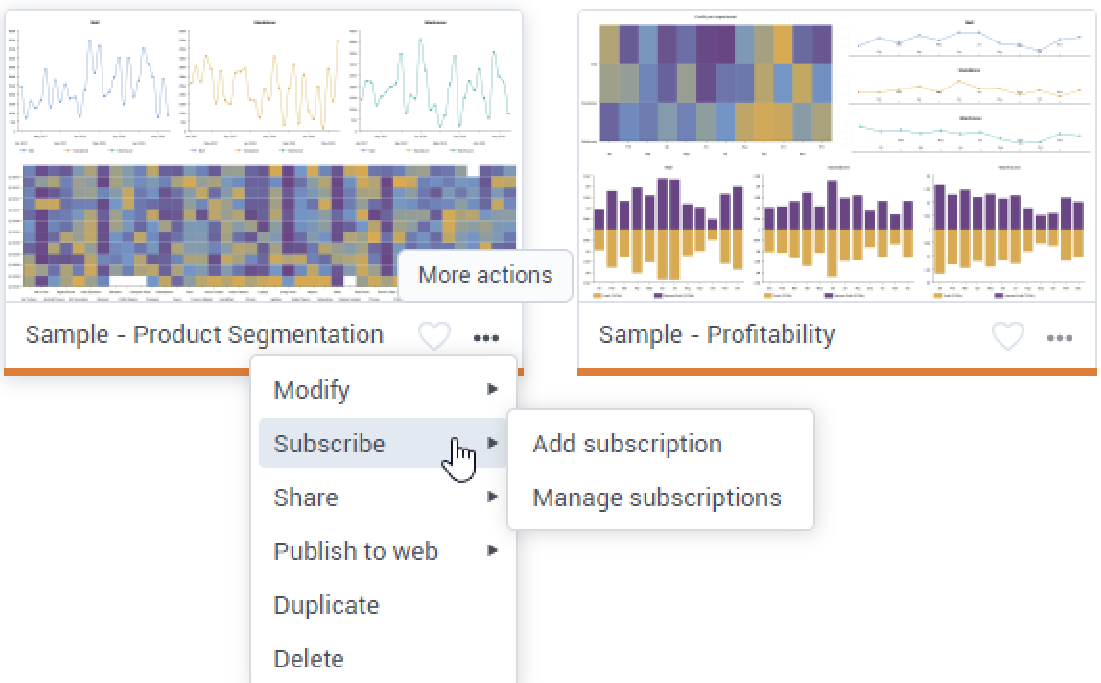
STORYBOARDS

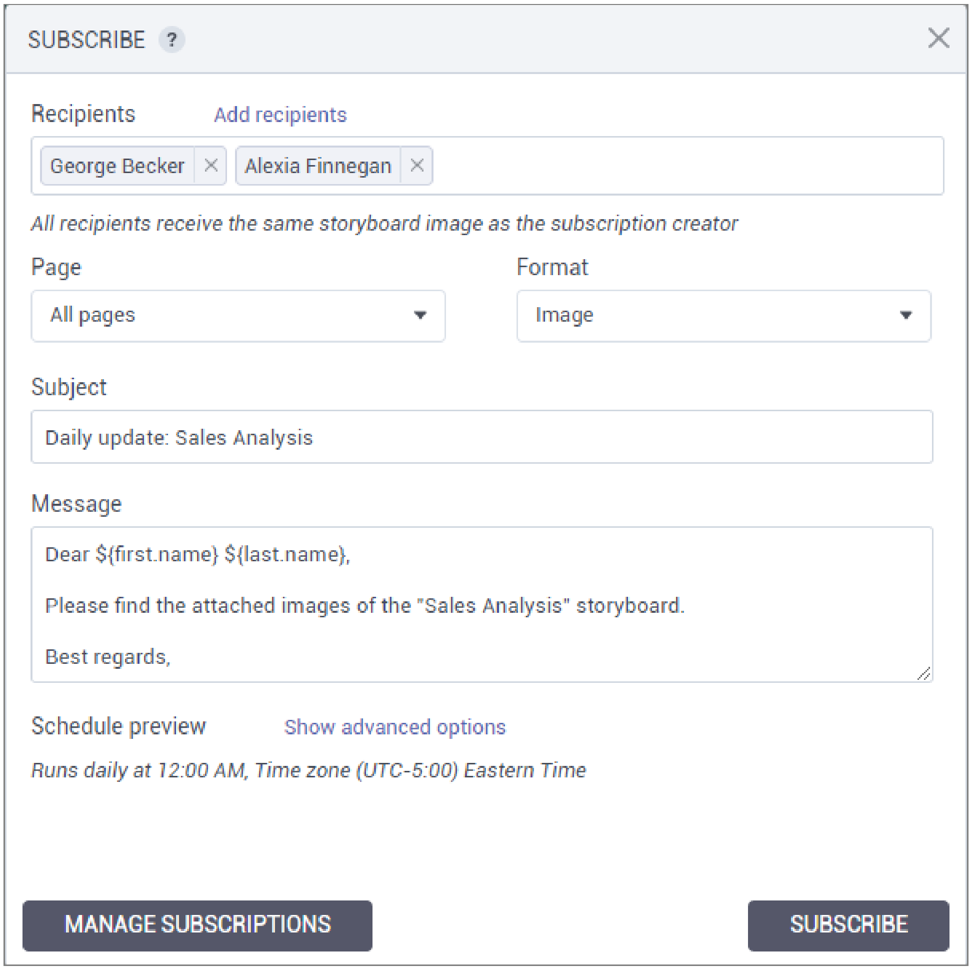
Add storyboard subscriptions

Storyboard subscriptions are a great way to review the latest storyboard updates without having to log into DataClarity. Storyboard owners and managers can now set up a storyboard subscription for the selected users and groups to receive e-mails with storyboard snapshots.

Subscription e-mails are customizable and can include macros types such as ${first.name}, ${last.name}, and ${e-mail} so that each user receives a personalized message. Subscription e-mails can be sent based on hourly, daily, weekly, or monthly basis considering time zones.

To add a new subscription for a storyboard (tile or row), point to **More actions**, and then go to **Subscribe** > **Add subscription**. Alternatively, if the storyboard is already open, click **Storyboard options** on the toolbar, and then go to **Subscribe** > **Add subscription** on the menu.





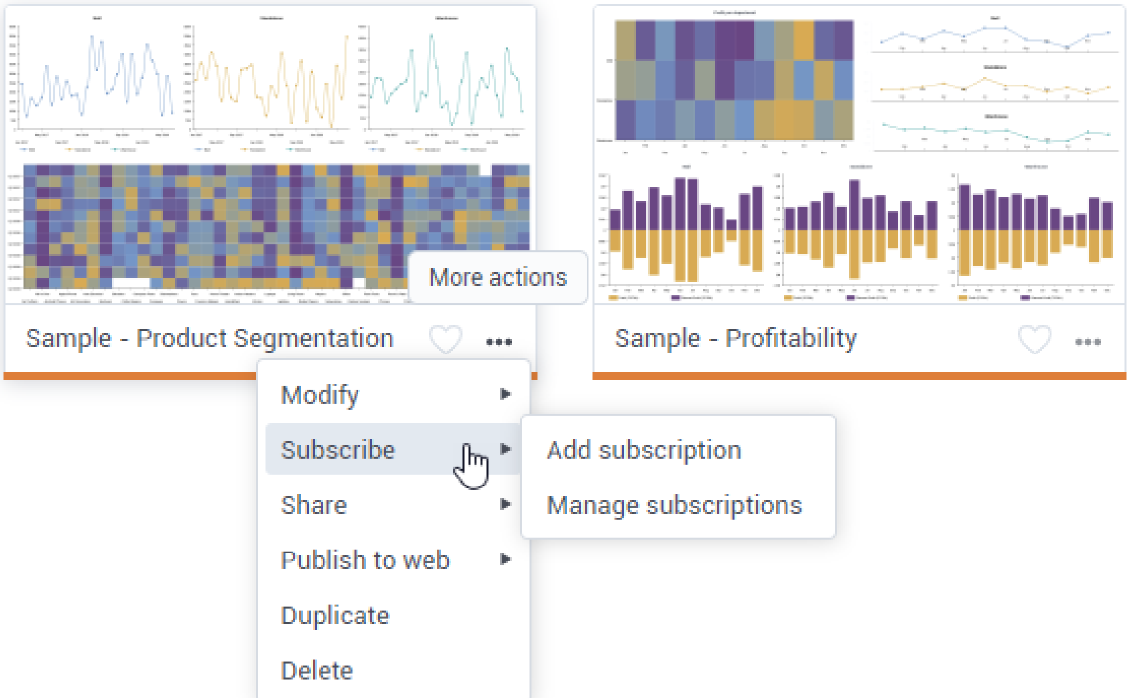
To enable subscriptions, the SMTP e-mail server should be configured by administrator in Access Manager. To receive subscription e-mails, users must have a valid e-mail address assigned.

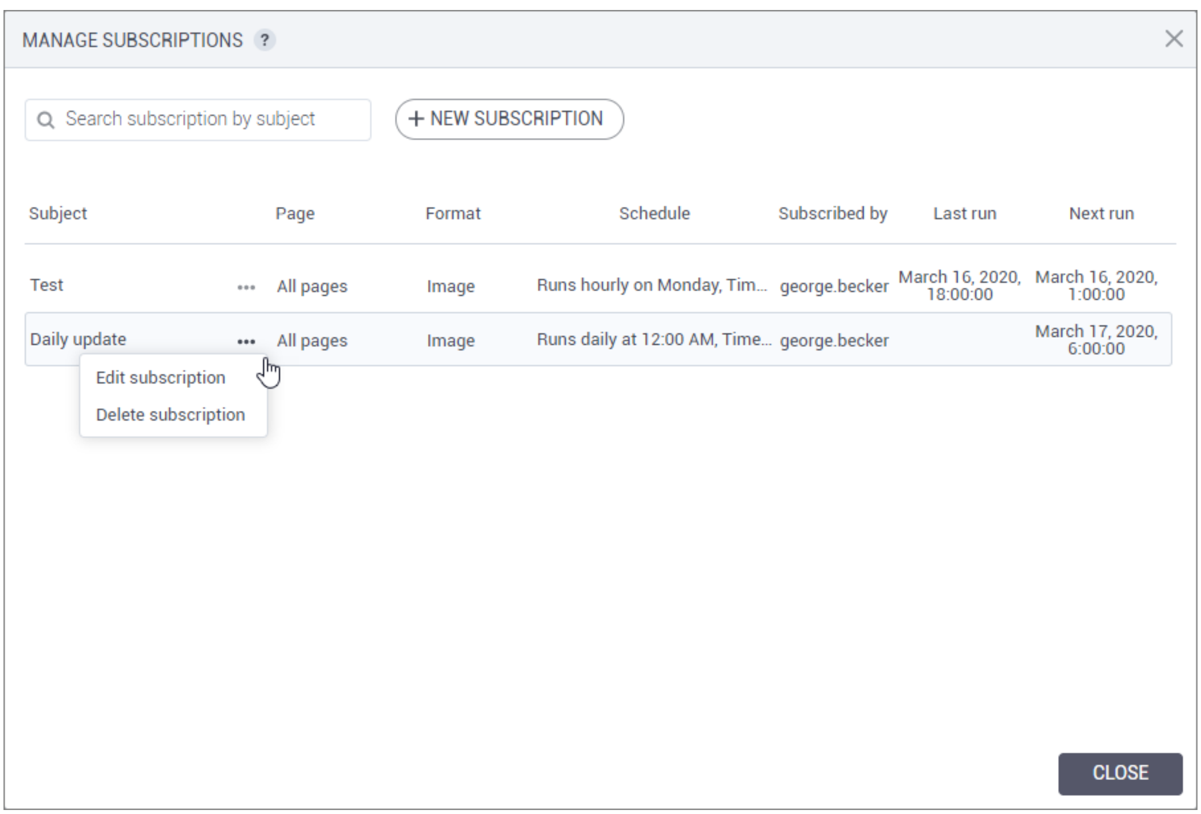
Manage storyboard subscriptions

In addition to creating subscriptions, storyboard owners and managers can unsubscribe users from existing subscriptions and make various subscription updates.

The **Manage subscription** dialog includes the list all the subscriptions created for the given storyboard. For each subscription, you can see the e-mail subject, the name of the page sent in the e-mail, the format of the page, and the defined schedule. Additionally, you can view the name of the user who created a subscription, and the dates of the last sent e-mail and the next scheduled e-mail.

To manage a subscription for a storyboard (tile or row), point to **More actions**, and then go to **Subscribe** > **Manage subscriptions**. Alternatively, if the storyboard is already open, click **Storyboard options** on the toolbar, and then go to **Subscribe** > **Manage subscriptions** on the menu.

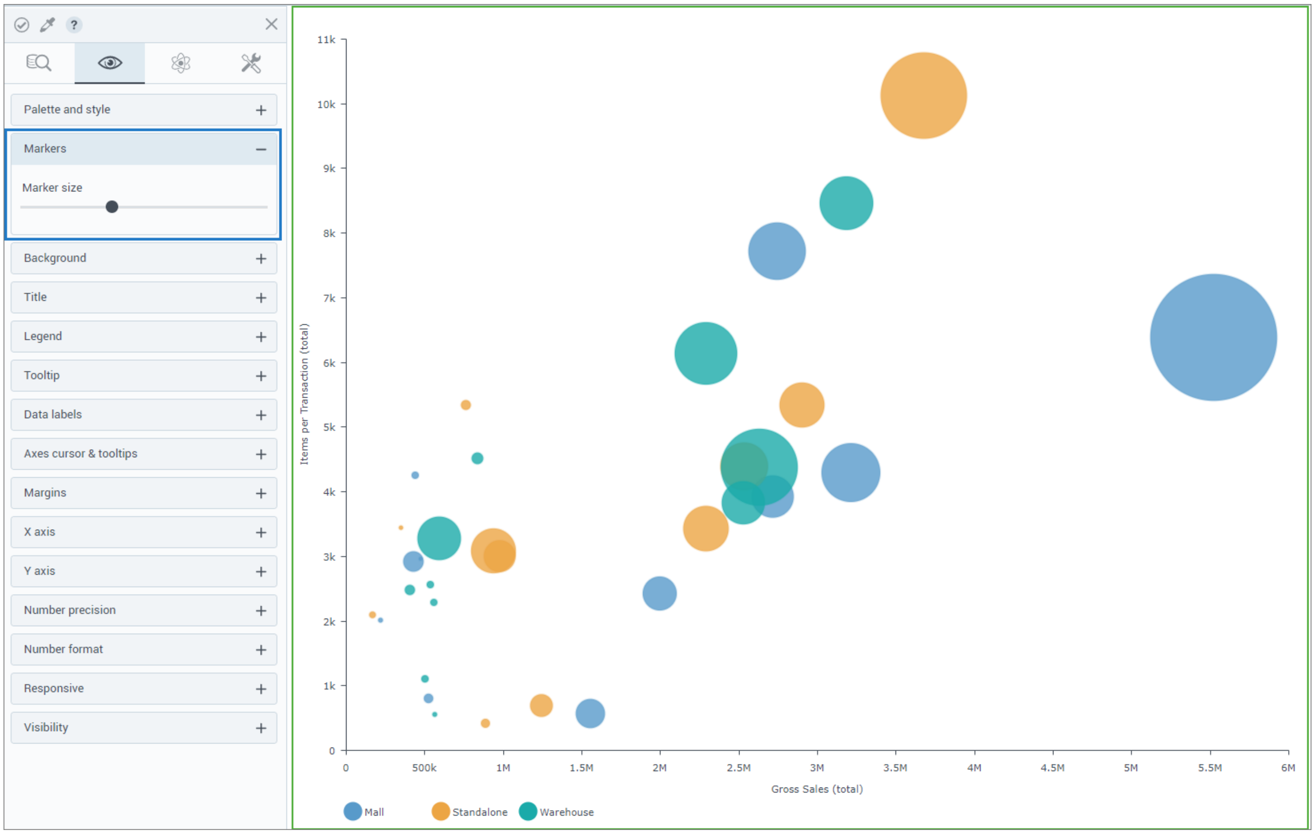




To enable the subscription feature, the SMTP e-mail server should be configured by an administrator in Access Manager. To receive a subscription, users must have a valid e-mail address assigned.

Customize the size of the markers (bubbles)

When creating visualizations with markers, like bubble or scatterplot, users may need to control how the data points are plotted on the chart. Depending on the number of markers, adjusting markers size makes them easy to distinguish. Using DataClarity widgets, you can now benefit from a new setting, **Marker size**, which has been added on the **appearance** tab of the Scatterplot, Bubble, and Scatterplot Heatmap visualizations to help you control markers appearance.

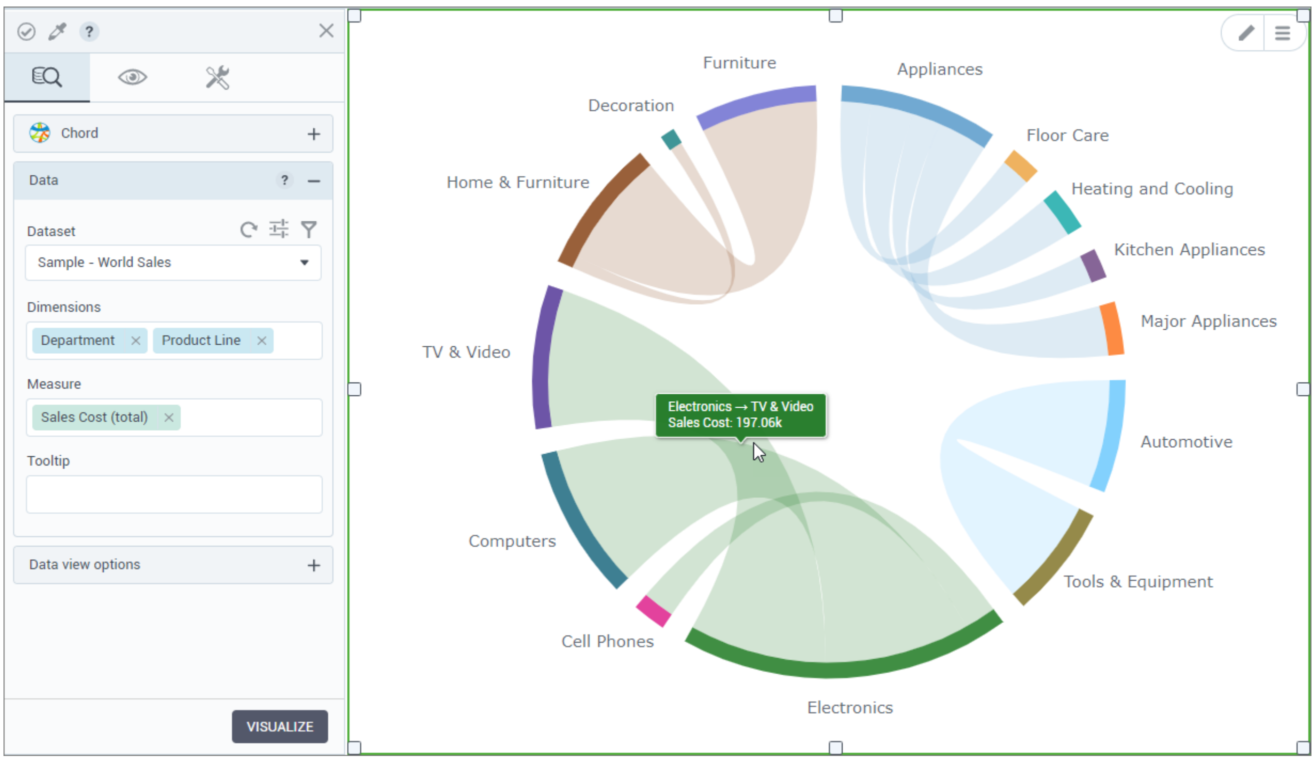


Chord visualization

DataClarity's visualization list has been updated with a visually appealing and a popular chart type – a Chord diagram. It allows you to evaluate the number and volume of directed quantitative connections between entities, for example, when analyzing economic flows, traffic flows between cities, and similar.

To build a Chord diagram, specify two dimensions in the order of the desired flow and a measure based on which to evaluate the magnitude of the flow. Each dimension is represented by a colored fragment on the outer part of the circular layout (a node). The arcs between each dimension are drawn to show the connection. The size of the arc is proportional to the selected measure. When pointing to the arc, the tooltip will display the flow order and the respective measure for the flow, and when pointing to the node – the total measure for the respective dimension.

The **Chord** visualization has been added under the **Network** section in the **Widgets** pane on the **Visualizations** tab.



Sankey visualization

Good news for those who need to visualize and evaluate a many-to-many mapping between domains – a Sankey chart is now on the DataClarity's visualization list. The Sankey chart is useful in such business cases as the transfer of the resources, materials, costs, cash flows, web traffic, and other types of flows. By using this chart, users may quickly see the largest flows, the largest consumer, the main losses, and so on.

To build a Sankey chart, specify two dimensions in the order of the desired flow and a measure based on which to evaluate the magnitude of the flow. Each dimension is represented by a colored rectangular fragment (a node). The lines from one dimension to another are drawn to show the connection. The line thickness is proportional to the flow quantity based on the selected measure.

When pointing to the line, the tooltip will display the flow order and the respective measure for the flow, and when pointing to the node – the total measure for the respective dimension.

The **Sankey** visualization has been added under the **Network** section in the **Widgets** pane on the **Visualizations** tab.