
Before you begin: Access Library in the Education sandbox

The Education sandbox is a shared, cloud-based environment to help you learn about and experiment with MicroStrategy Web and Library.

Use the Education sandbox to complete various report and dossier exercises. Complete the steps below to access the sandbox.

Access Library in the Education sandbox

- 1 In your browser, navigate to **education.microstrategy.com/MicroStrategy/servlet/mstrWeb**.
- 2 Log in to the sandbox with your **MicroStrategy Account** credentials.
Open the Tutorial project
- 3 The MicroStrategy landing page opens. Click the **MicroStrategy Tutorial** project.



MicroStrategy Tutorial

MicroStrategy Tutorial project and application set designed to illustrate the platform's rich functionality. The theme is an Electronics, Books, Movies and Music store. Employees, Inventory, Finance, Product Sales and Suppliers are analyzed.
Server name ENV-218880LAIOUSE1

The MicroStrategy Tutorial home page opens.

- 4 Click **Go to MicroStrategy Library**.
- 5 If prompted, enter your **MicroStrategy Account** credentials, and then click **Log in with Identity**.

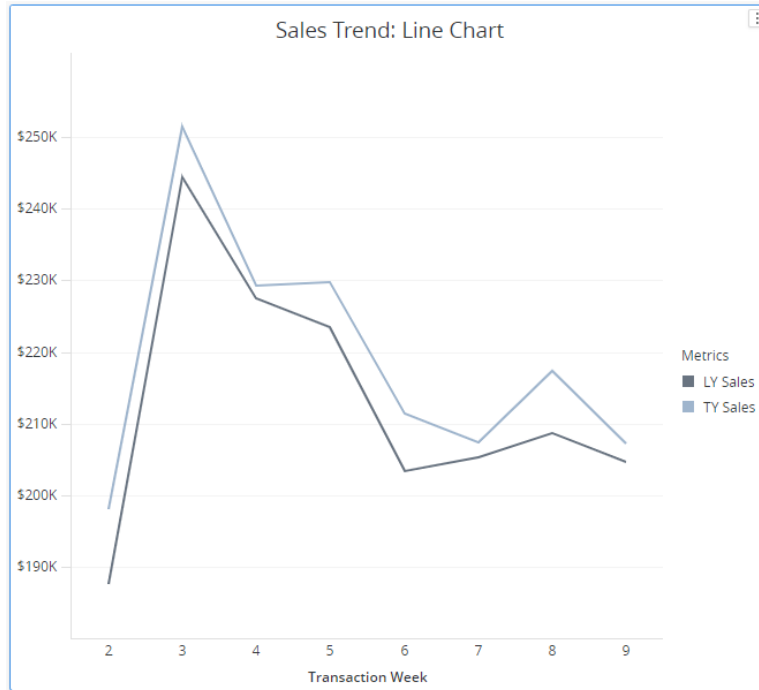
Your Library home page displays.

Exercise: Create a line chart

As a store manager, you want to analyze trends in your store's sales. Specifically, you want to understand this year's sales compared to last year's sales, by transaction week.

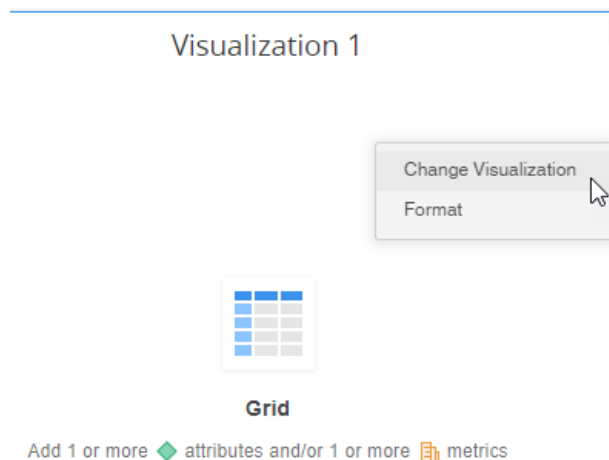
To complete this change-over-time analysis, create a line chart. Your completed line chart looks like the image below.

Sample line chart



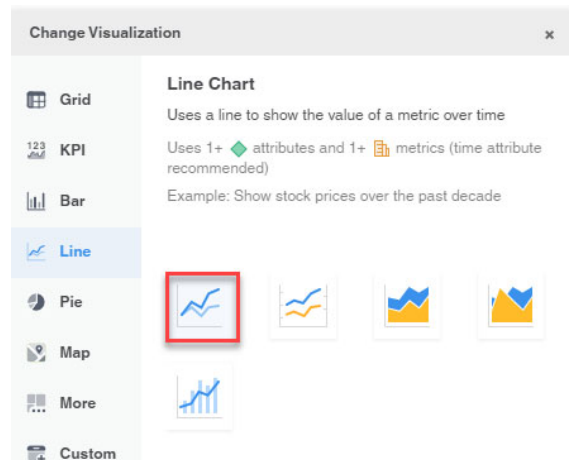
Create a line chart

- 1 In the Education sandbox Library, open the **Visualization Types** dossier in Edit mode. For a reminder on how to do this, see *Exercise: Access Library in the Education sandbox*, and *Exercise: Add the Visualization Types dossier to MicroStrategy Library*.
- 2 In the Contents panel on the left, in the Change Over Time chapter, click the **Line Chart and Area Chart** page.
- 3 By default, a new page displays a blank grid visualization on the canvas. To change the visualization to a line chart, right-click inside the visualization and select **Change Visualization**.



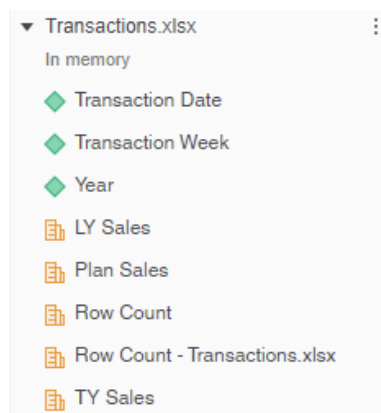
The Change Visualization window opens, displaying the Visualization Gallery.

- 4 In the Visualization Gallery, point to **Line**, and then click the **Line Chart** icon.

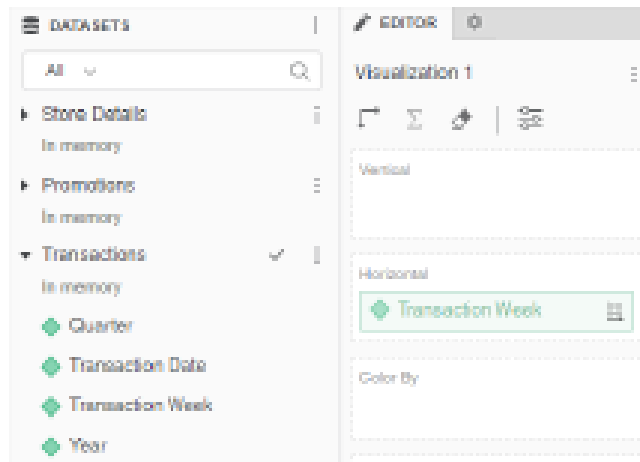


The dossier canvas displays a blank line chart.

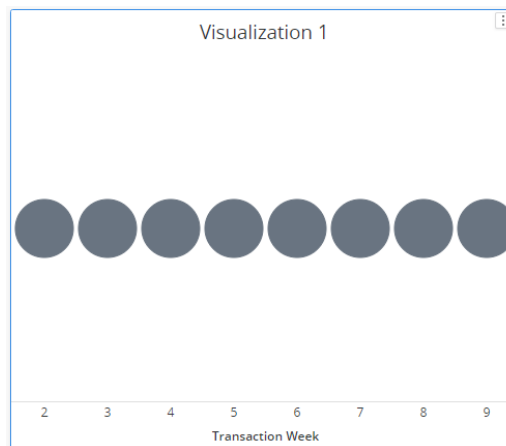
- 5 The data you need for this analysis is stored in the Transactions dataset. In the Datasets panel, click the arrow icon to the left of the **Transactions** dataset to expand it. The dataset's attributes and metrics display.



- 6 To focus on the objects in the Transactions dataset rather than the other datasets, collapse any other datasets that are expanded by clicking the arrow icon to the left of the dataset name.
- 7 Click the **Editor** icon to display the Editor panel, if not already displayed.
- 8 From the **Transactions** dataset, double-click the **Transaction Week** attribute to add it to the **Horizontal** drop zone in the Editor panel.
-

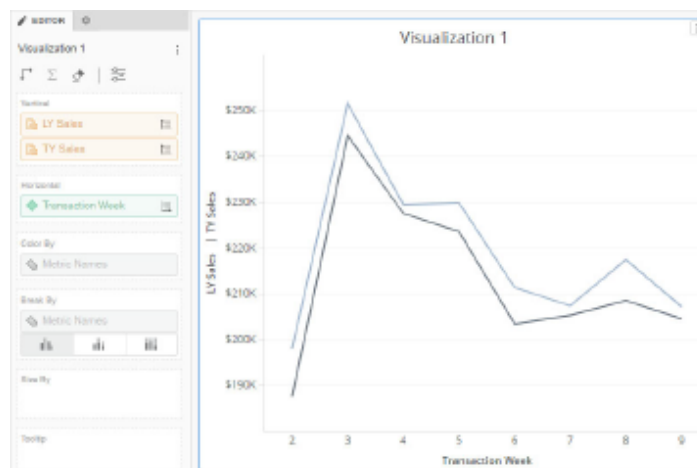


The transaction week is added to the horizontal axis of the line chart and a bubble displays for each transaction week.



- 9 From the **Transactions** dataset, double-click the **LY Sales** metric (last year's sales) and the **TY Sales** metric (this year's sales) to add them to the **Vertical** drop zone in the Editor panel.

The vertical axis displays a scale of sales values. Two lines display; one represents this year, and the other represents last year. The height of the line for each transaction week indicates the sales amount for that week.



-
- 10** To help users understand what each line represents, right-click inside the line chart above the two lines and select **Show Legend**. A legend displays to the right of the line chart, indicating that the dark-gray line represents LY Sales, and the light-gray line represents TY Sales.


Metrics

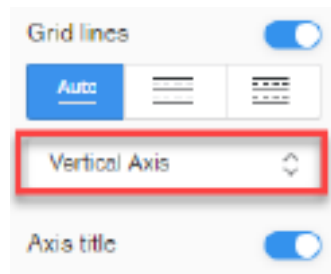
■ LY Sales

■ TY Sales

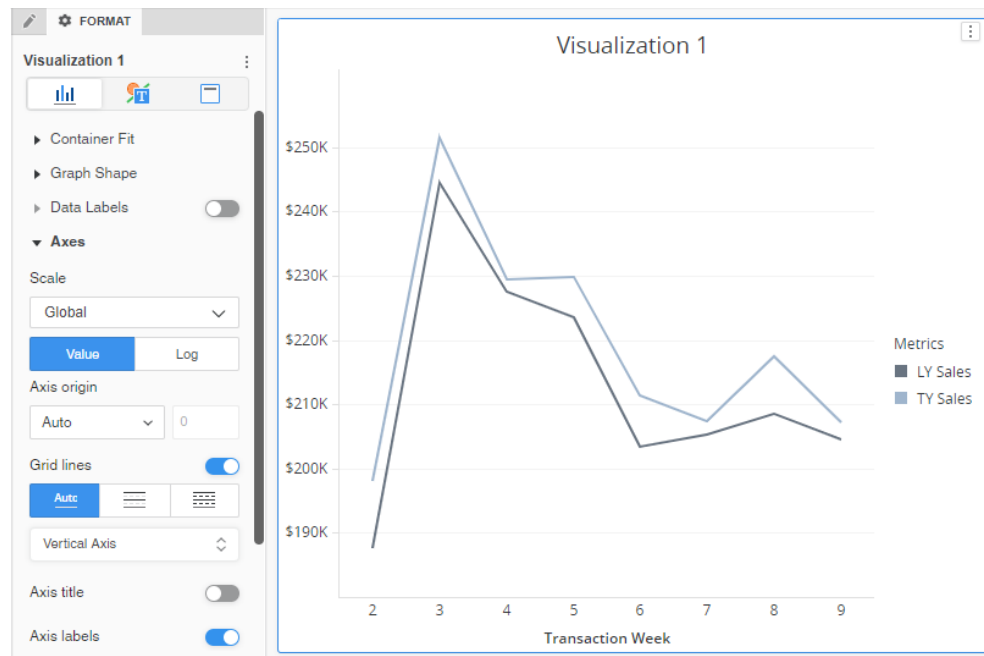
Remove the vertical axis title

The legend indicates what each line represents, so you remove the vertical axis title to avoid redundant labels.

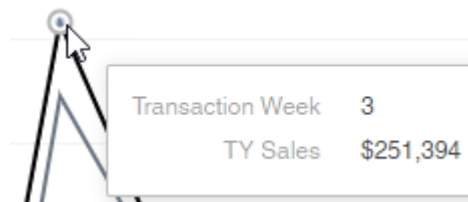
- 1 Click the **Format** icon  to display the Format panel.
- 2 Expand **Axes**.
- 3 From the drop-down list above Axis Title, select **Vertical Axis**.



- Below the drop-down list, disable **Axis Title**. The vertical axis no longer displays TY Sales and LY Sales as an axis title. The axis labels (the values for each grid line) continue to display because Axis labels is still enabled.



- In the line chart, hover over a data point on the **TY Sales** line to display its details in a tooltip. For example, in the image below, you can see in the tooltip that the point represents Week 3, which had sales of \$251,394 this year.



- To rename the visualization, double-click the **Visualization 1** title on the line chart, and type **Sales Trends: Line Chart**. Your line chart now looks like *Sample line chart*.
- Click **Save** in the upper right of the dossier toolbar.

You analyze the line chart after creating an area chart in Exercise: Create an area chart, to understand the similarities and differences between the visualizations.