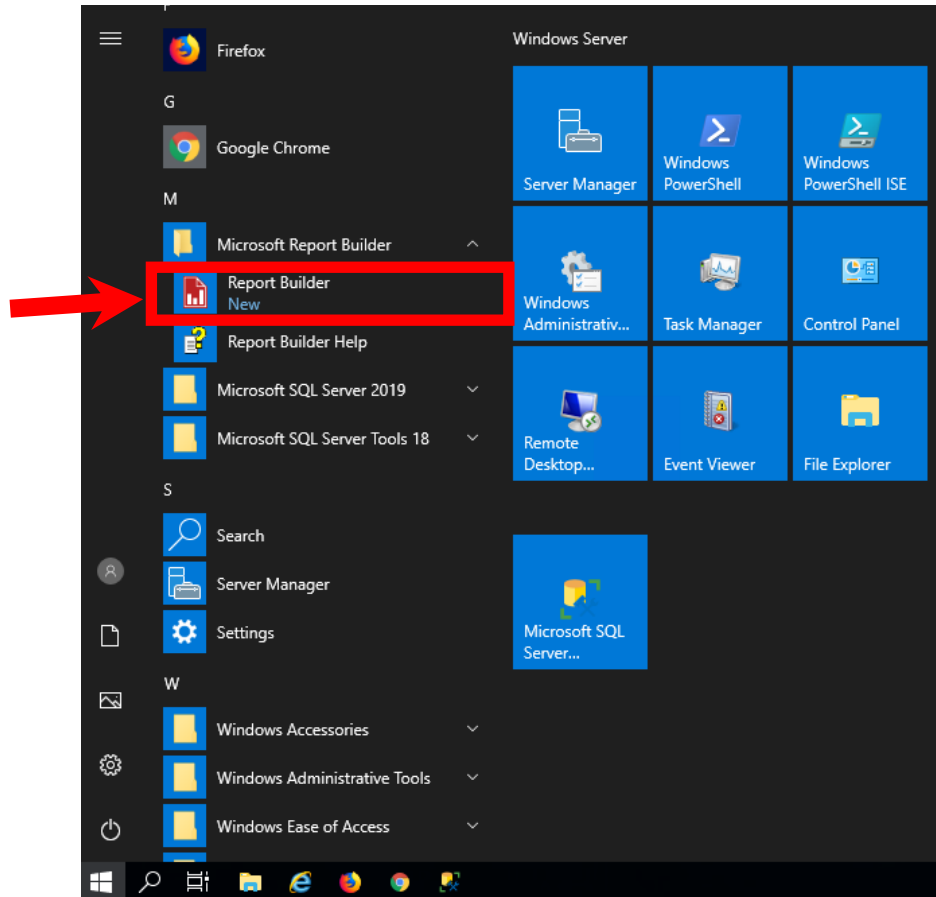
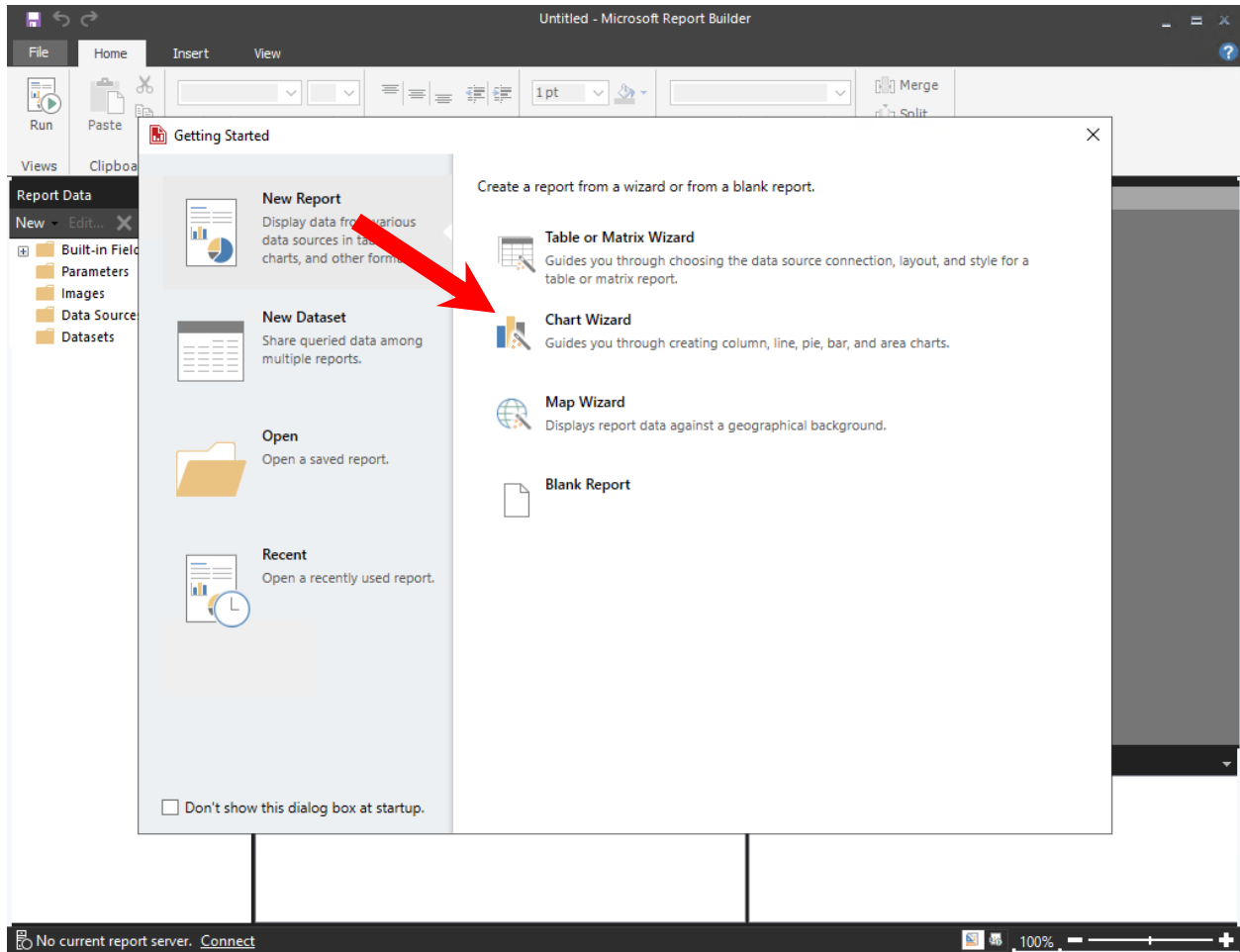


CREATING A BIKESTORES BAR CHART REPORT

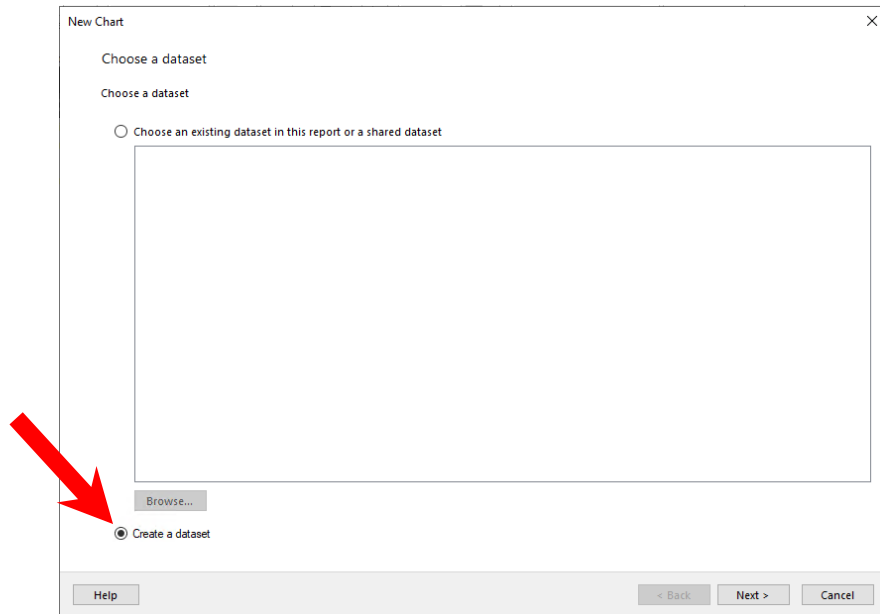
- [1] To start the Microsoft Report Builder application, access the Windows Start menu and select the Microsoft Report Builder folder.



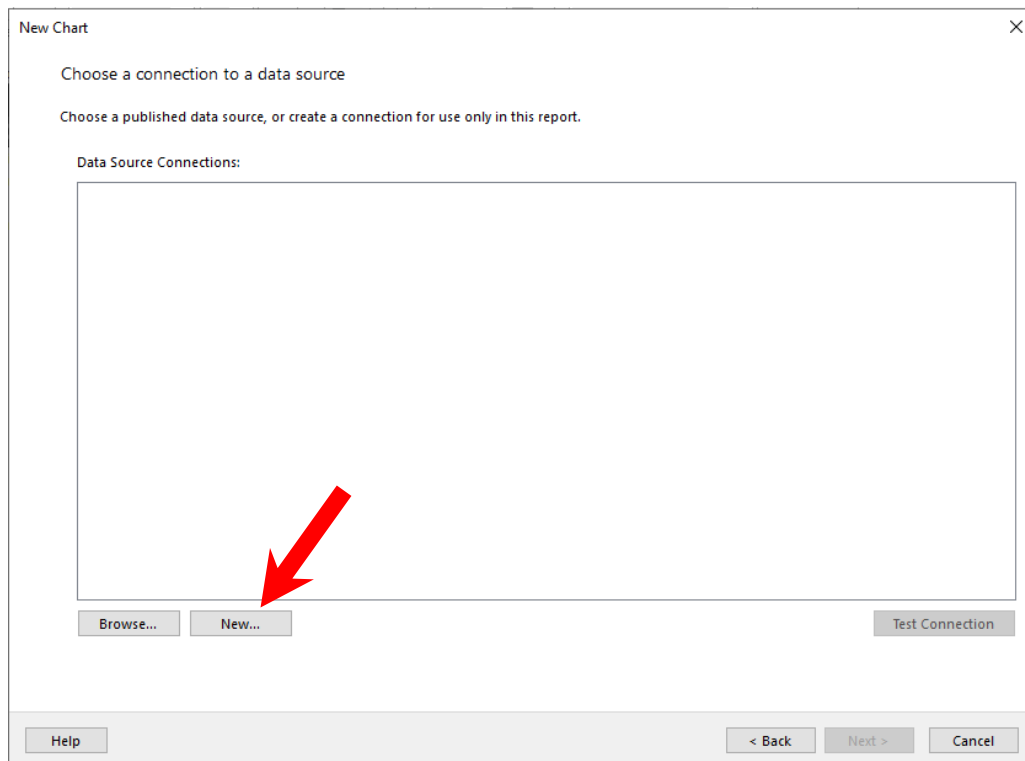
[2] You'll then see the *Getting Started* screen in Microsoft Report Builder. Click on the *Chart Wizard* option.



- [3] You'll be presented with the *New Chart* screen. Click on the “*Create a dataset*” option and click the **NEXT** button to continue.



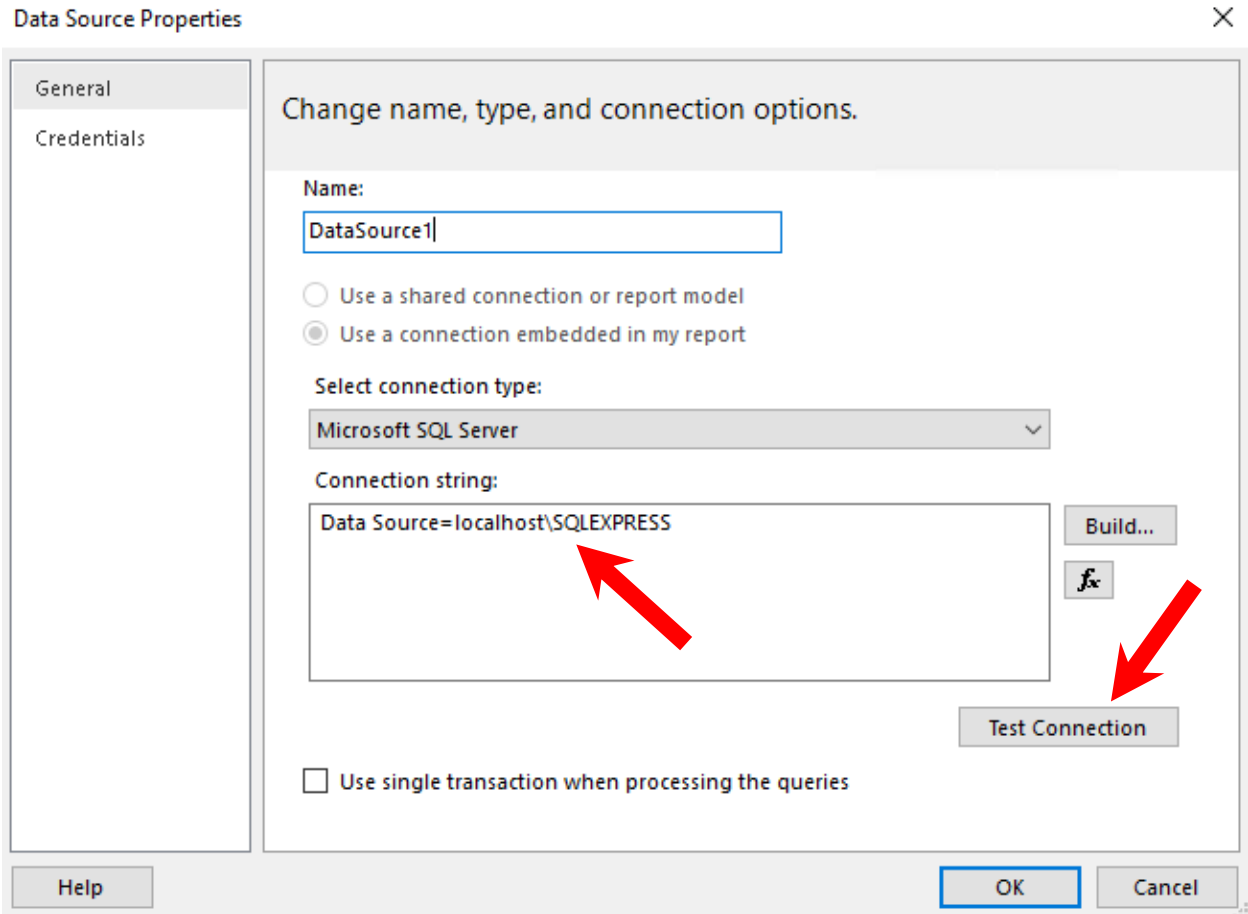
- [4] You will then see a screen asking for you the “*Choose a connection to a data source.*” Click on the **NEW** button.



- [5] You will then see the *Data Source Properties* screen. You can leave the Name value as is or provide a preferred name. In the Connection String field, enter the following value:

Data Source=localhost\SQLEXPRESS

Click on the **TEST CONNECTION** button to verify the connection string. You should receive a “*Connection created successfully*” message. Click on the **OK** button close out the prompt. Then click on the **OK** button on the *Data Source Properties* screen to complete the data source specification.



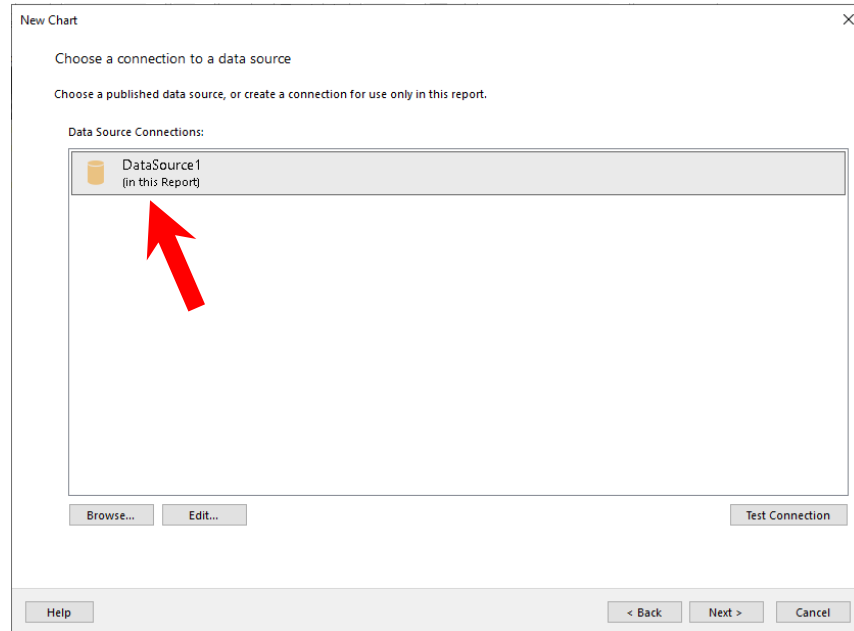
Test Connection Result



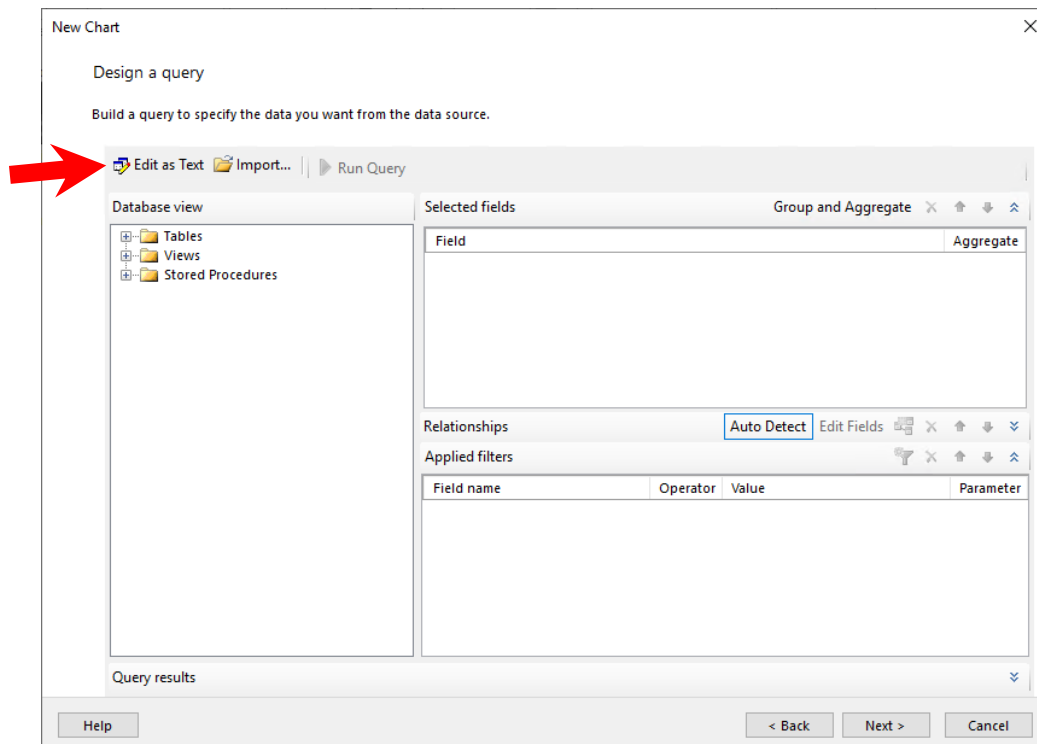
Connection created successfully.

OK

- [6] You'll be returned to the “*Choose a connection to a data source screen.*” Make sure the new data source entry is highlighted and then click on the **NEXT** button to continue.



- [7] You'll then see the “*Design a query*” screen. Click on the “*Edit as Text*” option in the top left portion of the screen.

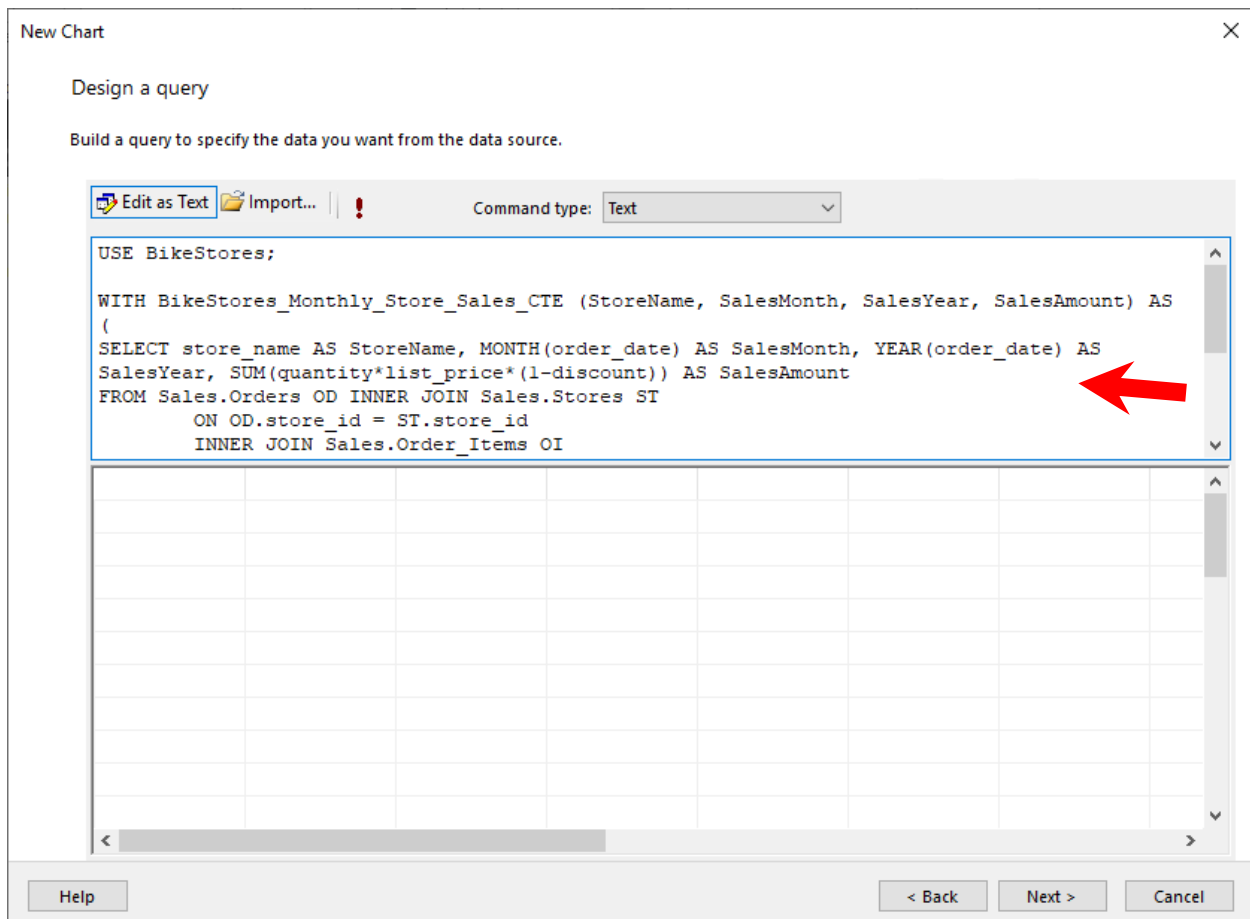



[8] In the provided text field area, enter the following SQL statements:

```
USE BikeStores;
```

```
WITH BikeStores_Monthly_Store_Sales_CTE (StoreName, SalesMonth,
SalesYear, SalesAmount) AS
(
SELECT store_name AS StoreName, MONTH(order_date) AS SalesMonth,
YEAR(order_date) AS SalesYear, SUM(quantity*list_price*(1-discount)) AS
SalesAmount
FROM Sales.Orders OD INNER JOIN Sales.Stores ST
ON OD.store_id = ST.store_id
INNER JOIN Sales.Order_Items OI
ON OD.order_id = OI.order_id
GROUP BY store_name, MONTH(order_date), YEAR(order_date)
)
```

```
SELECT StoreName, SalesMonth, SalesAmount
FROM BikeStores_Monthly_Store_Sales_CTE
WHERE SalesYear = 2017
ORDER BY StoreName, SalesMonth;
```







- [9] Click on the exclamation point () to execute and test the entered SQL code. A total of 36 records should be returned from the SQL statements. Then click on the **NEXT** button to continue.

New Chart ×

Design a query

Build a query to specify the data you want from the data source.

 Edit as Text  Import...   Command type: Text

```
USE BikeStores;

WITH BikeStores_Monthly_Store_Sales_CTE (StoreName, SalesMonth, SalesYear, SalesAmount) AS
(
SELECT store_name AS StoreName, MONTH(order_date) AS SalesMonth, YEAR(order_date) AS
SalesYear, SUM(quantity*list_price*(1-discount)) AS SalesAmount
FROM Sales.Orders OD INNER JOIN Sales.Stores ST
ON OD.store_id = ST.store_id
INNER JOIN Sales.Order_Items OI
```

StoreName	SalesMonth	SalesAmount
Baldwin Bikes	1	217406.6490
Baldwin Bikes	2	197814.7258
Baldwin Bikes	3	219582.6878
Baldwin Bikes	4	161639.9347
Baldwin Bikes	5	201407.9959
Baldwin Bikes	6	250491.8029
Baldwin Bikes	7	171303.2829
Baldwin Bikes	8	193430.8581
Baldwin Bikes	9	203956.7509
Baldwin Bikes	10	256674.0375
Baldwin Bikes	11	209155.0894

Help < Back Next > Cancel






[10] You will then see the “*Choose a chart type*” screen. Select the *Bar* option and then click on the **NEXT** button.

New Chart ×

Choose a chart type

Choose a chart type that best displays your data.

Chart type:

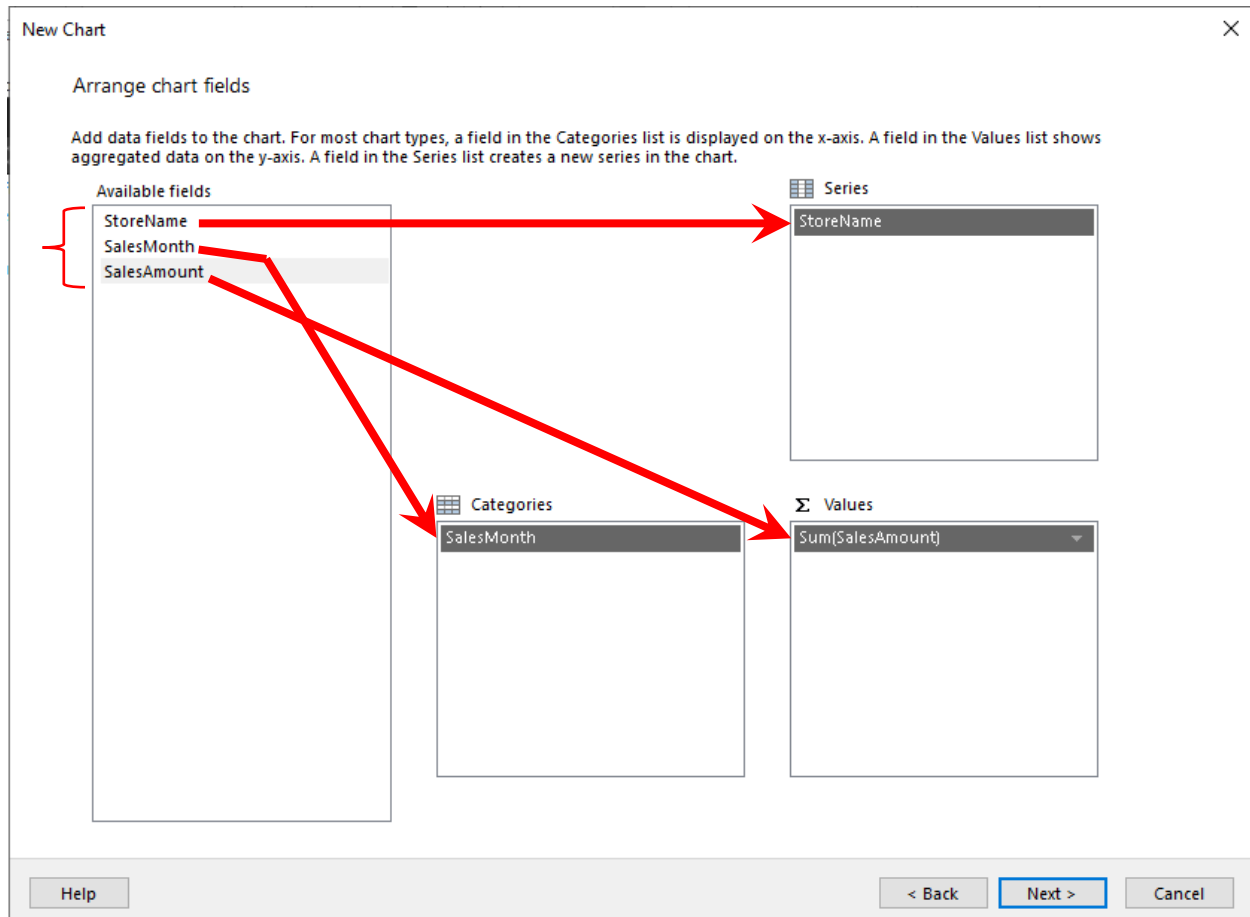
-  **Column**
A column chart displays a series as a set of vertical bars grouped by category. Column charts are useful for illustrating comparisons among...
-  **Line**
A line chart displays a series as a set of points connected by a single line. Line charts are used to represent large amounts of data that occur...
-  **Pie**
A pie chart displays value data as percentages of a total. Consider using a pie chart after the data has been aggregated to seven data poi...
-  **Bar**
A bar chart displays data horizontally. It is popular for categorical information, because the categories can be displayed horizontally.
-  **Area**
The area chart displays data contiguously, so it is commonly used to represent data that occurs over a continuous period of time.

Use a stacked chart to display the total value of multiple series.

Use a 100 percent stacked chart to show relative proportions between multiple series.

Help < Back Next > Cancel

- [11] You will then be presented with the “*Arrange chart fields*” screen. Left-click on the *StoreName* item with your mouse and drag it to the *Series* area. Left-click on the *SalesMonth* item with your mouse and drag it to the *Categories* area. Left-click on the *SalesAmount* item with your mouse and drag it to the *Values* area. The item placement should look like what is presented below. Click on the **NEXT** button to continue.



[12] You'll then see the "*Preview*" screen. Click on the **FINISH** button.

New Chart ×

Preview

Preview the report item being created. You can customize the fonts, color schemes and style after you finish the wizard.

Chart Title

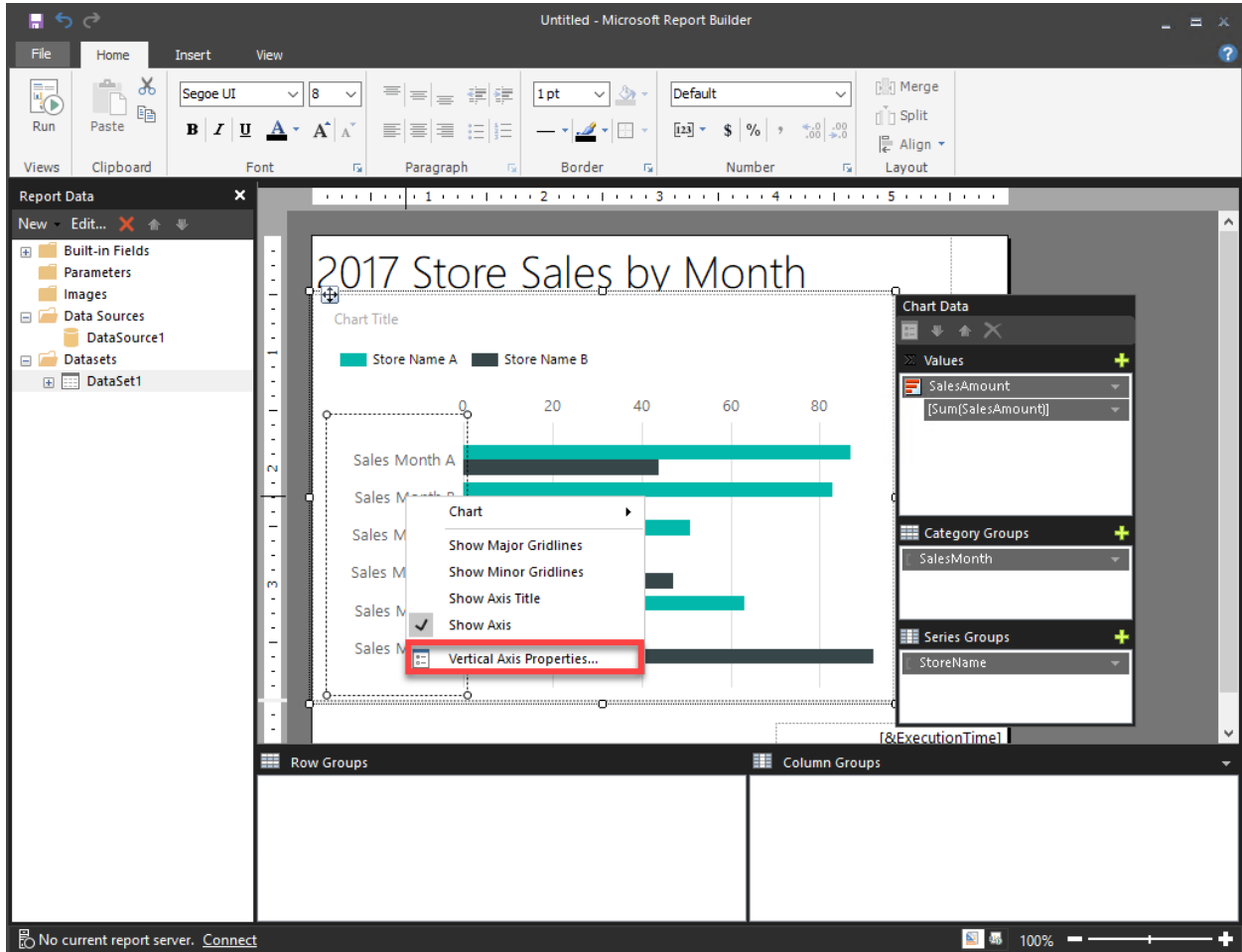
■ Store Name A ■ Store Name B

Sales Month	Store Name A	Store Name B
Sales Month F	15	90
Sales Month E	65	15
Sales Month D	30	50
Sales Month C	55	25
Sales Month B	85	20
Sales Month A	90	45

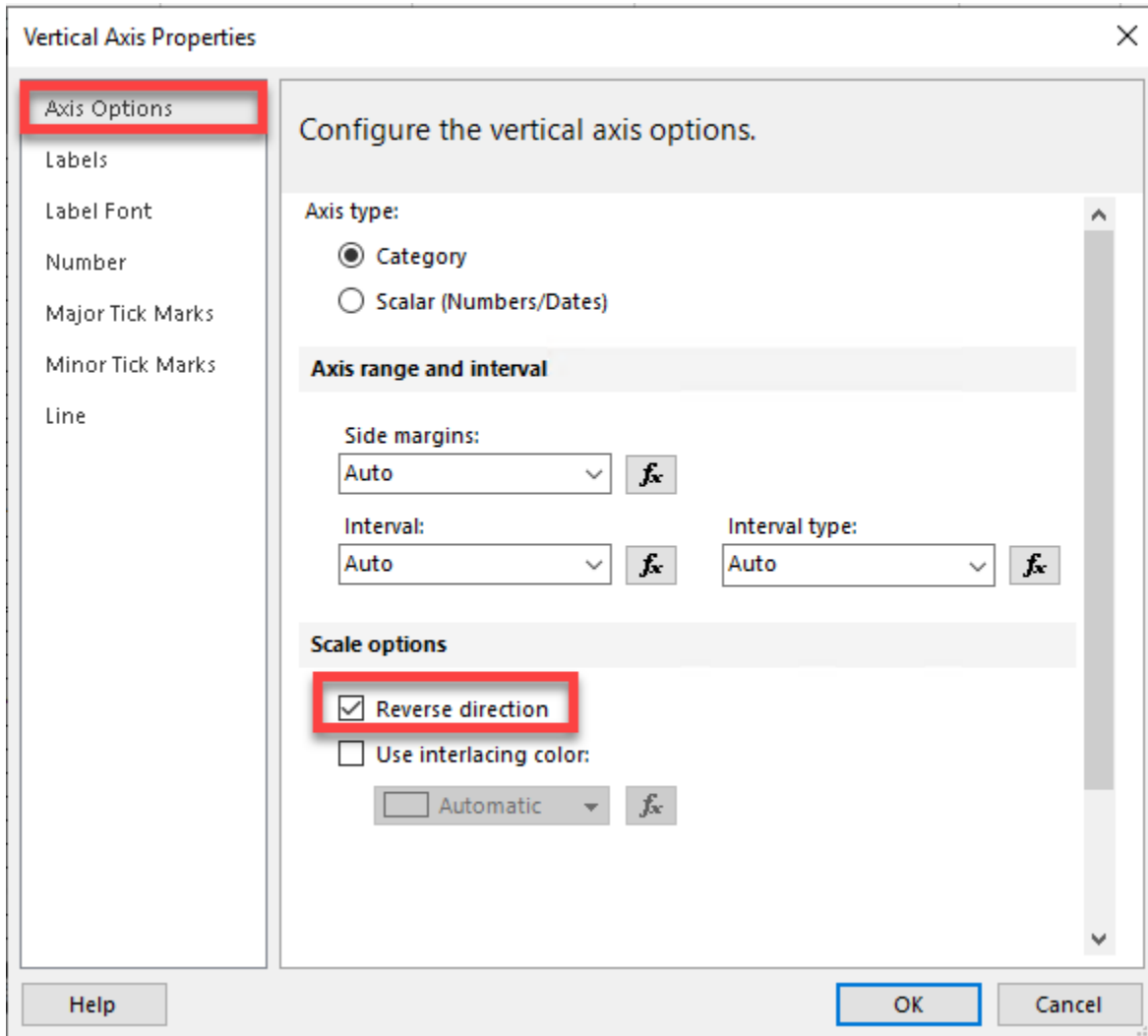
0 20 40 60 80

Help < Back Finish >> Cancel

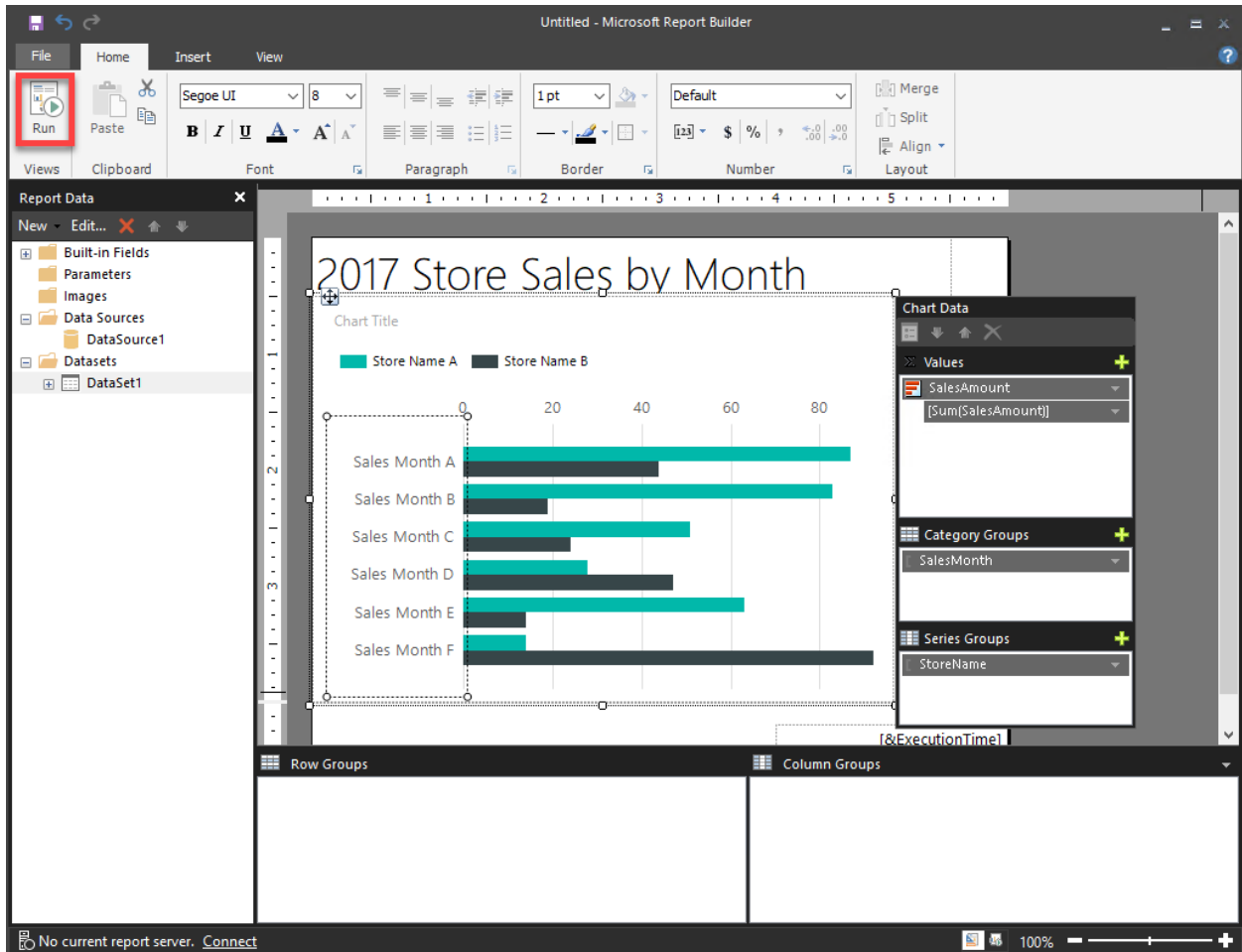
- [13] The configured report screen will then be presented in the main Report Builder window. You can add a title as specified on the screen. Right-click over the sales month items in the vertical axis of the chart. Select the *Vertical Axis Properties* item in the right-click menu.



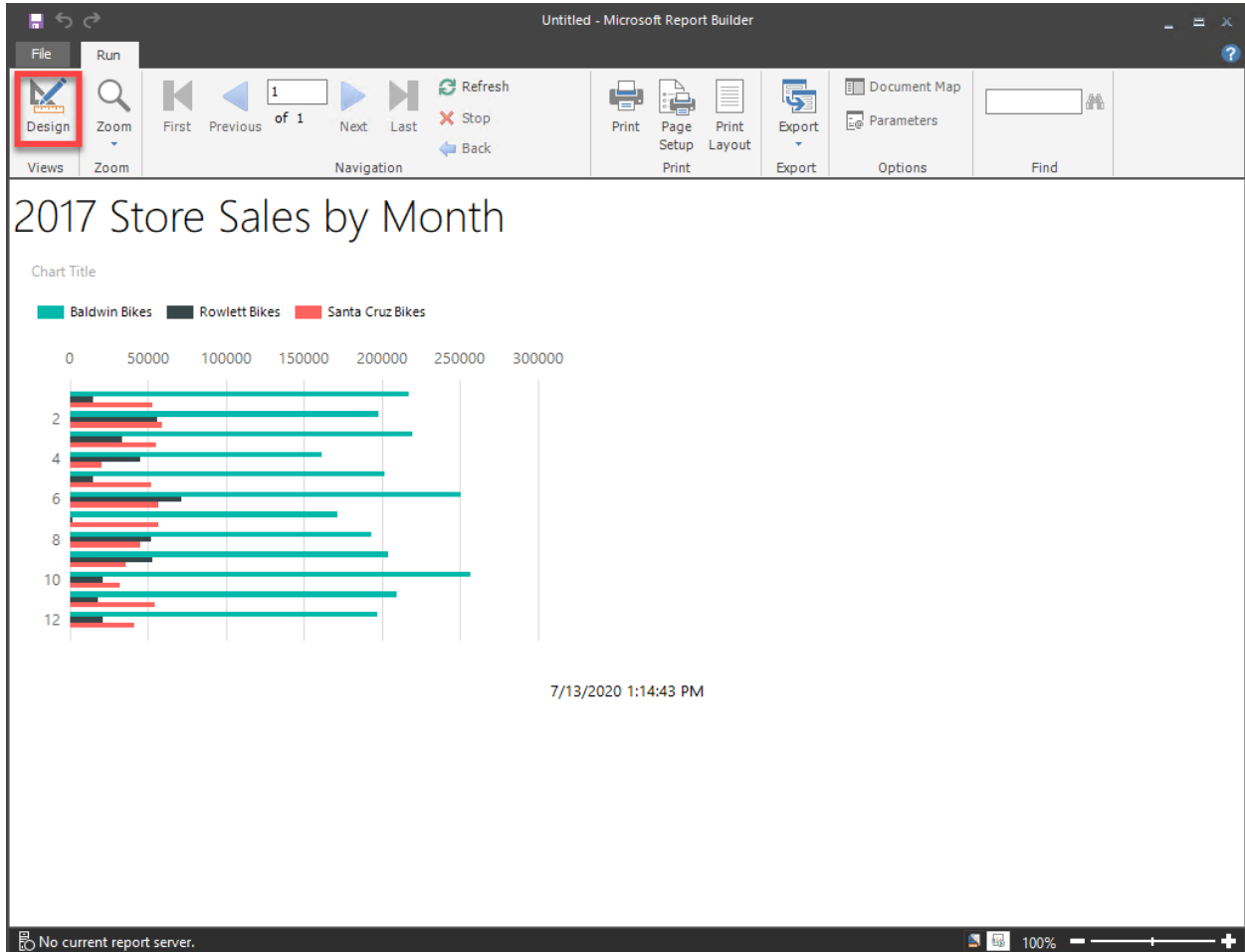
- [14] You'll then see the *Vertical Axis Properties* window. In the *Axis Options* area, place a checkmark next to the "*Reverse Direction*" item. Click on the **OK** button to implement the change.



[15] In the main Report Builder window, click on the **RUN** button in the upper left corner of the window to test out the report.



[16] The generated report should look similar to what is provided below. Take a screenshot of your generated report as proof of report completion for the assignment. Incorporate the screenshot into your assignment document. Then click on the **DESIGN** button in the upper left corner of the window to return to the main Report Builder screen.



- [17] Save the Report Builder file via **FILE-->SAVE AS** from the top menu. Provide an applicable file name for the Report Builder file. You can then exit from the Report Builder application.

