CREATING A BIKESTORES LINE CHART REPORT
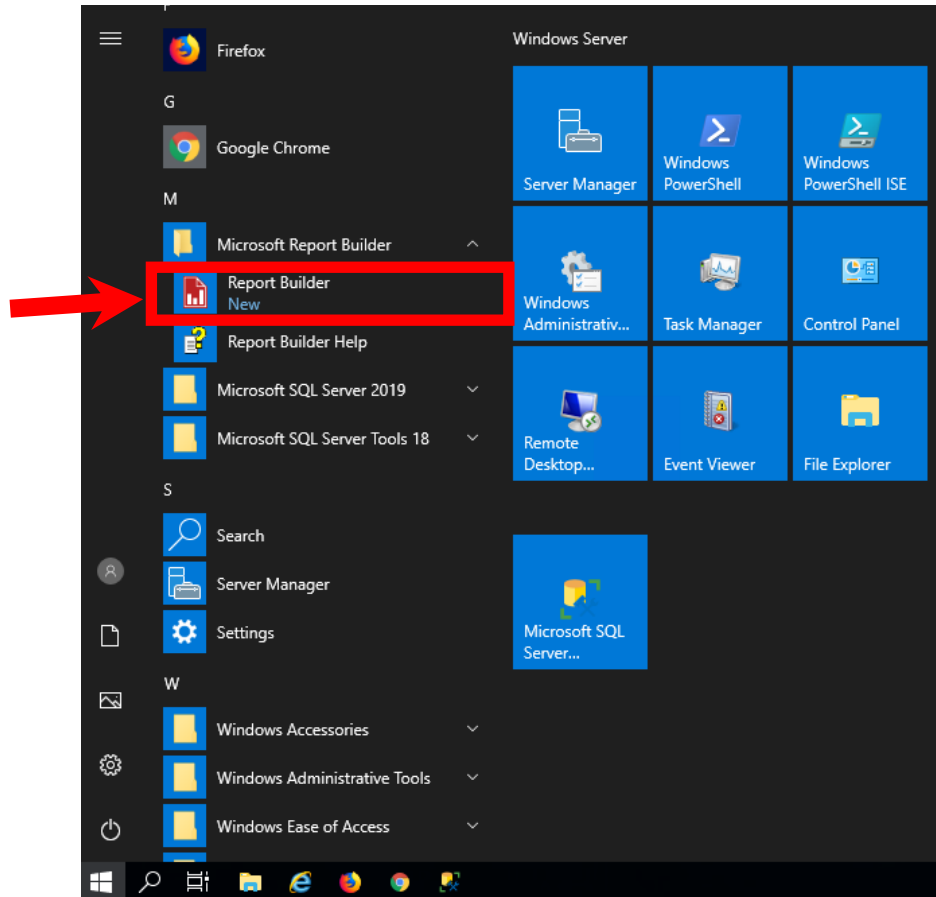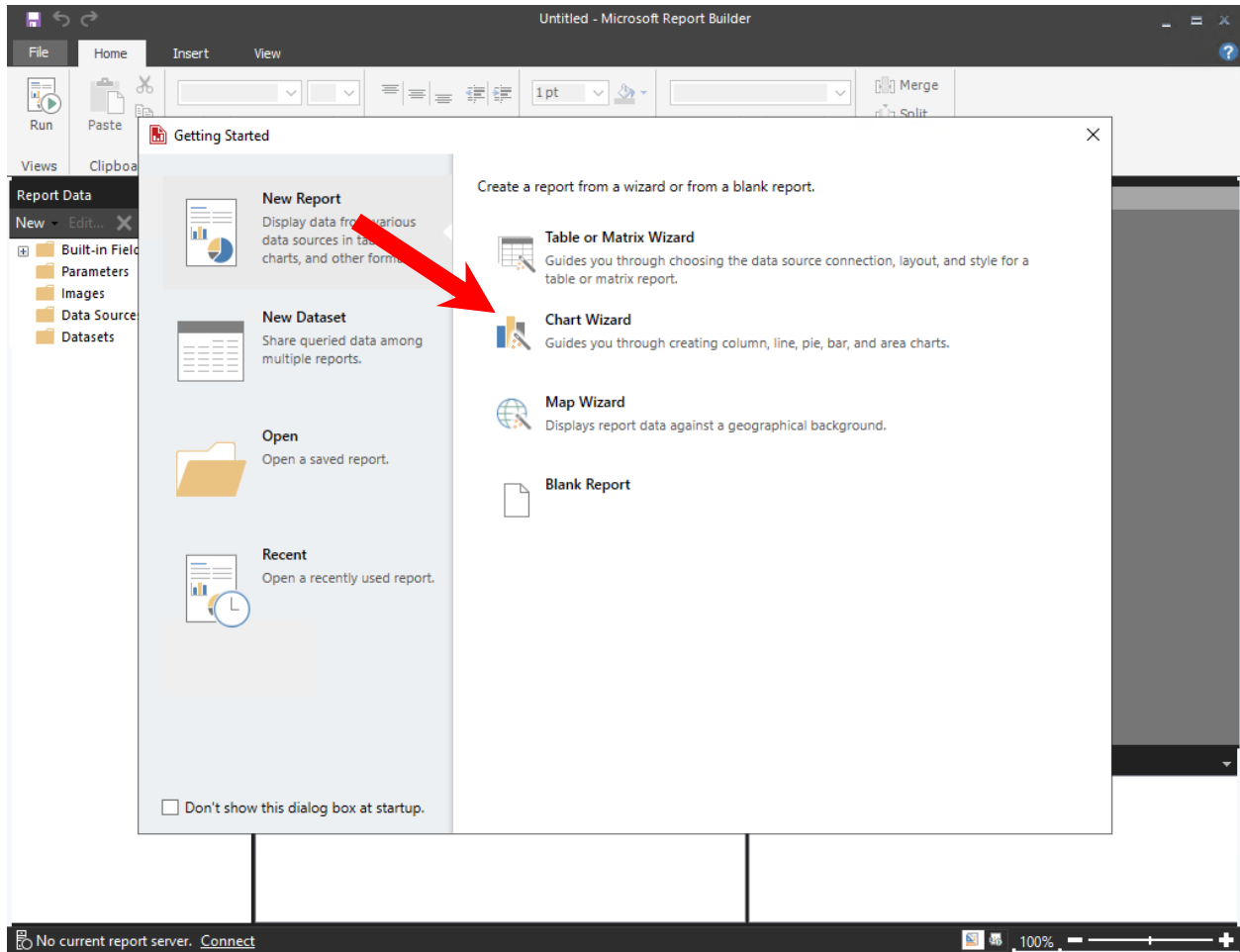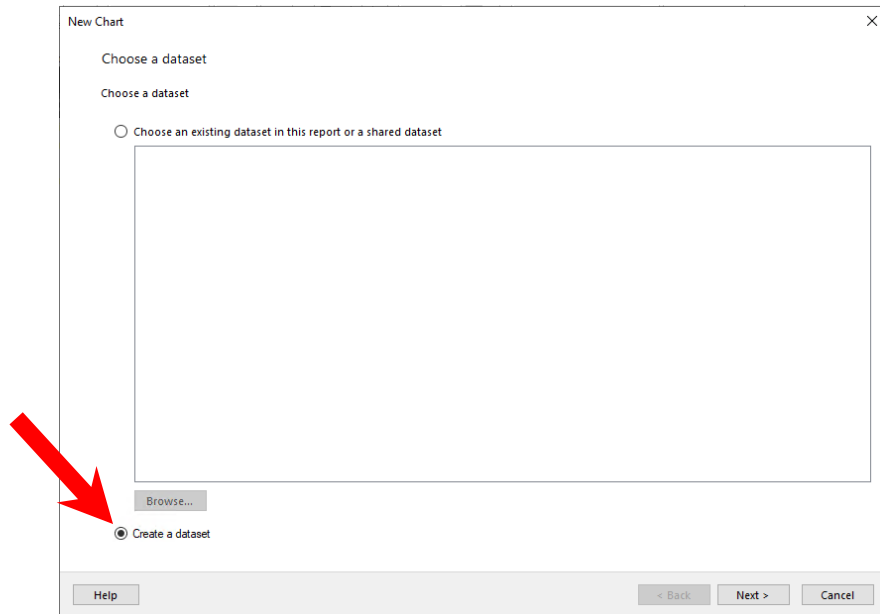
[1]   To start the Microsoft Report Builder application, access the Windows Start menu and select the Microsoft Report Builder folder.
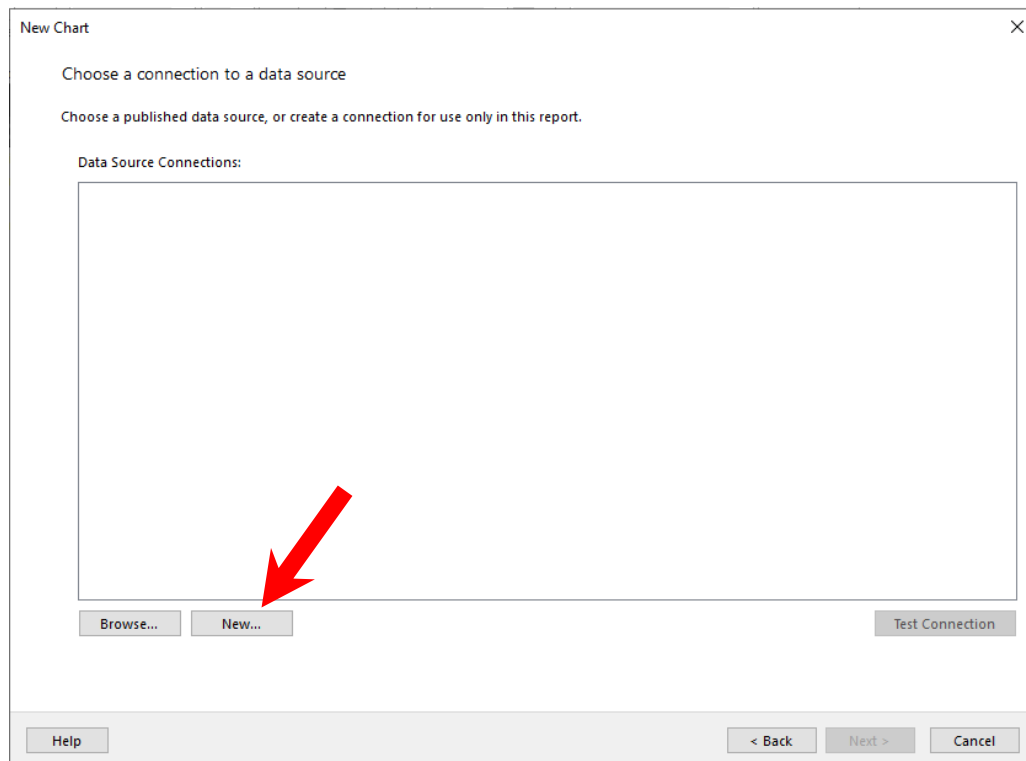
[2]   You'll then see the ***Getting Started*** screen in Microsoft Report Builder. Click on the
       Chart Wizard option.

[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.
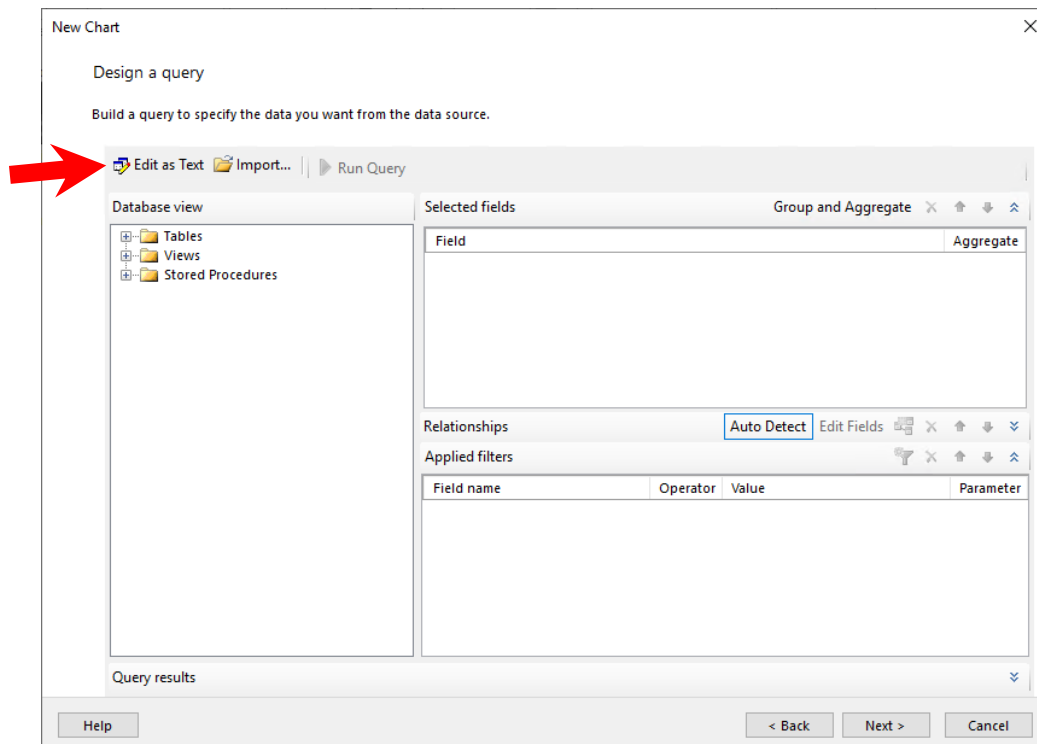
[6]   You'll be returned to the "*Choose a connection to a data source screen*." Make sure the new data source entry is highlighted and then click on the **NEXT** button to continue.
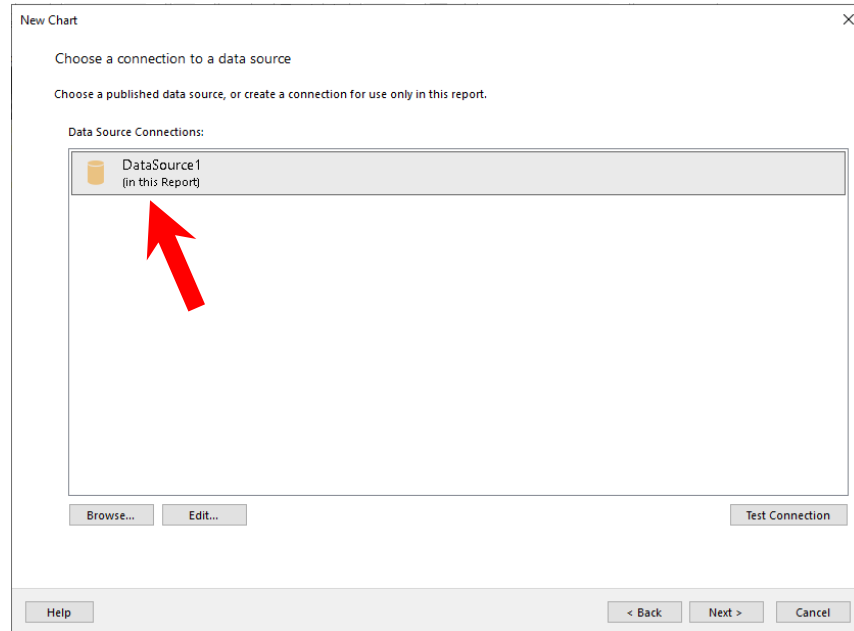
[7]   You'll then see the "*Design a query*" screen. Click on the "*Edit as Text*" option in the top left portion of the screen.
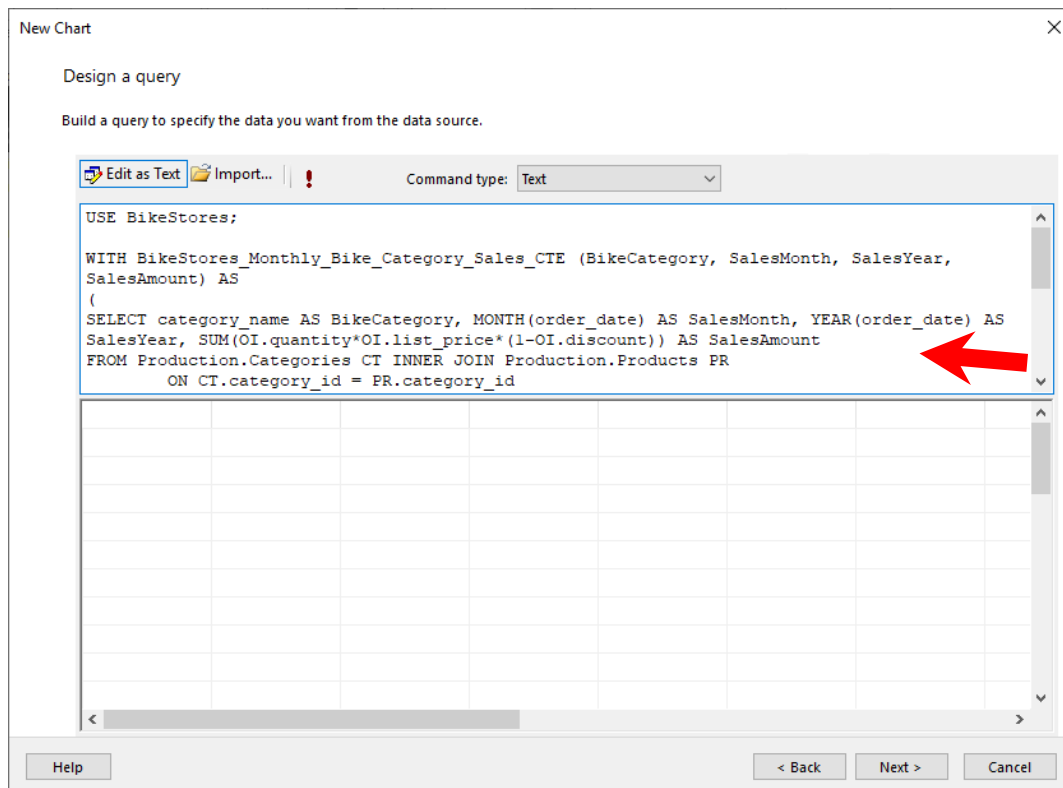
[8]   In the provided text field area, enter the following SQL statements:

```
USE BikeStores;

WITH BikeStores_Monthly_Bike_Category_Sales_CTE (BikeCategory,
SalesMonth, SalesYear, SalesAmount) AS
(
SELECT category_name AS BikeCategory, MONTH(order_date) AS SalesMonth,
YEAR(order_date) AS SalesYear, SUM(OI.quantity*OI.list_price*(1-
OI.discount)) AS SalesAmount
FROM Production.Categories CT INNER JOIN Production.Products PR
        ON CT.category_id = PR.category_id
        INNER JOIN Sales.Order_Items OI
        ON OI.product_id = PR.product_id
        INNER JOIN Sales.Orders OD
        ON OD.order_id = OI.order_id
GROUP BY category_name, MONTH(order_date), YEAR(order_date)
)

SELECT BikeCategory, SalesMonth, SalesAmount
FROM BikeStores_Monthly_Bike_Category_Sales_CTE
WHERE SalesYear = 2016
ORDER BY BikeCategory, SalesMonth;
```

[9]   Click on the exclamation point (!) to execute and test the entered SQL code. A total of 71 records should be returned from the SQL statements. Then click on the **NEXT** button to continue.

[10]   You will then see the "***Choose a chart type***" screen. Select the ***Line*** option and then click on the **NEXT** button.
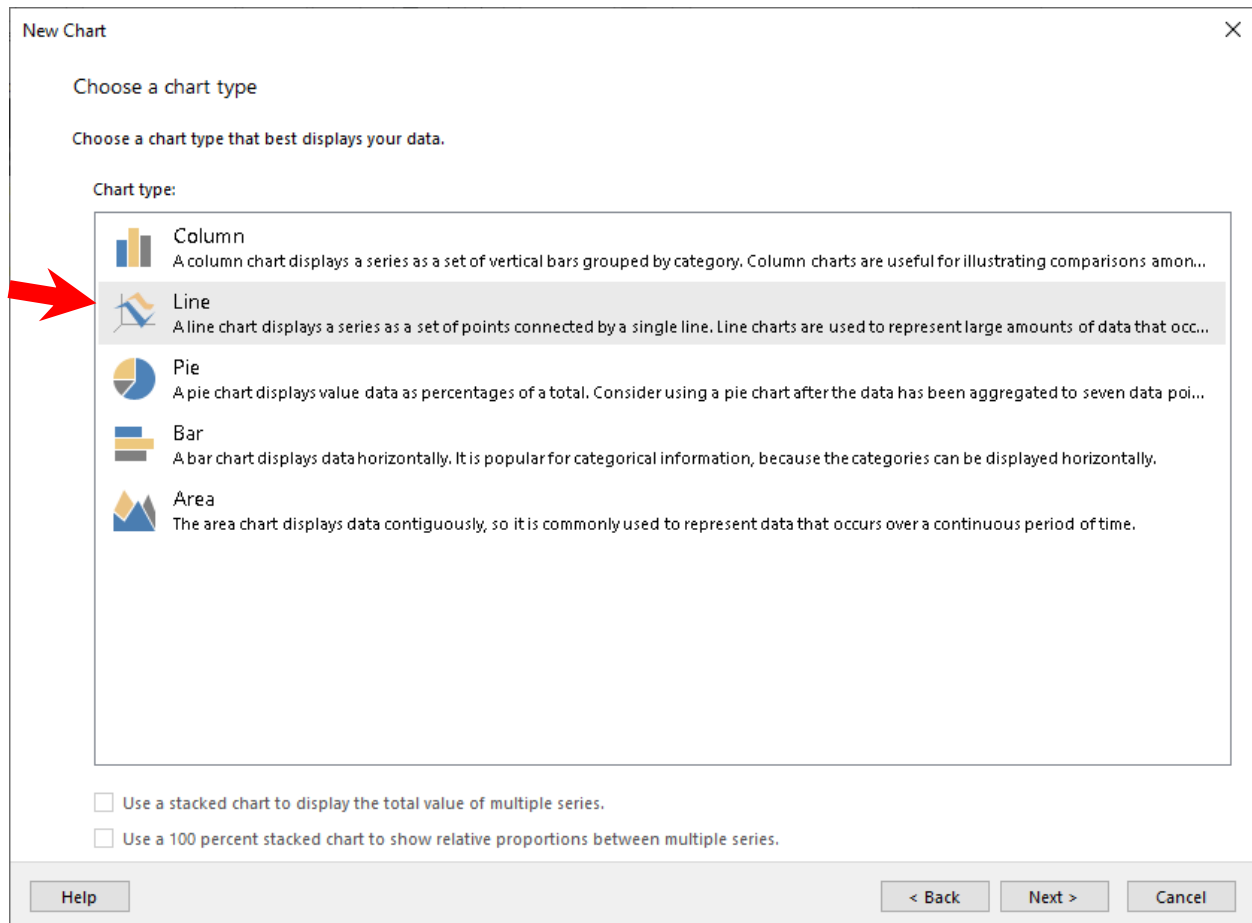
[11] You will then be presented with the "***Arrange chart fields***" screen. Left-click on the ***BikeCategory*** item with your mouse and drag it to the ***Series*** area. Left-click on the ***SalesMonth*** item with your mouse and drag it to the ***Categories*** area. Left-click on the ***SalesAmount*** 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.
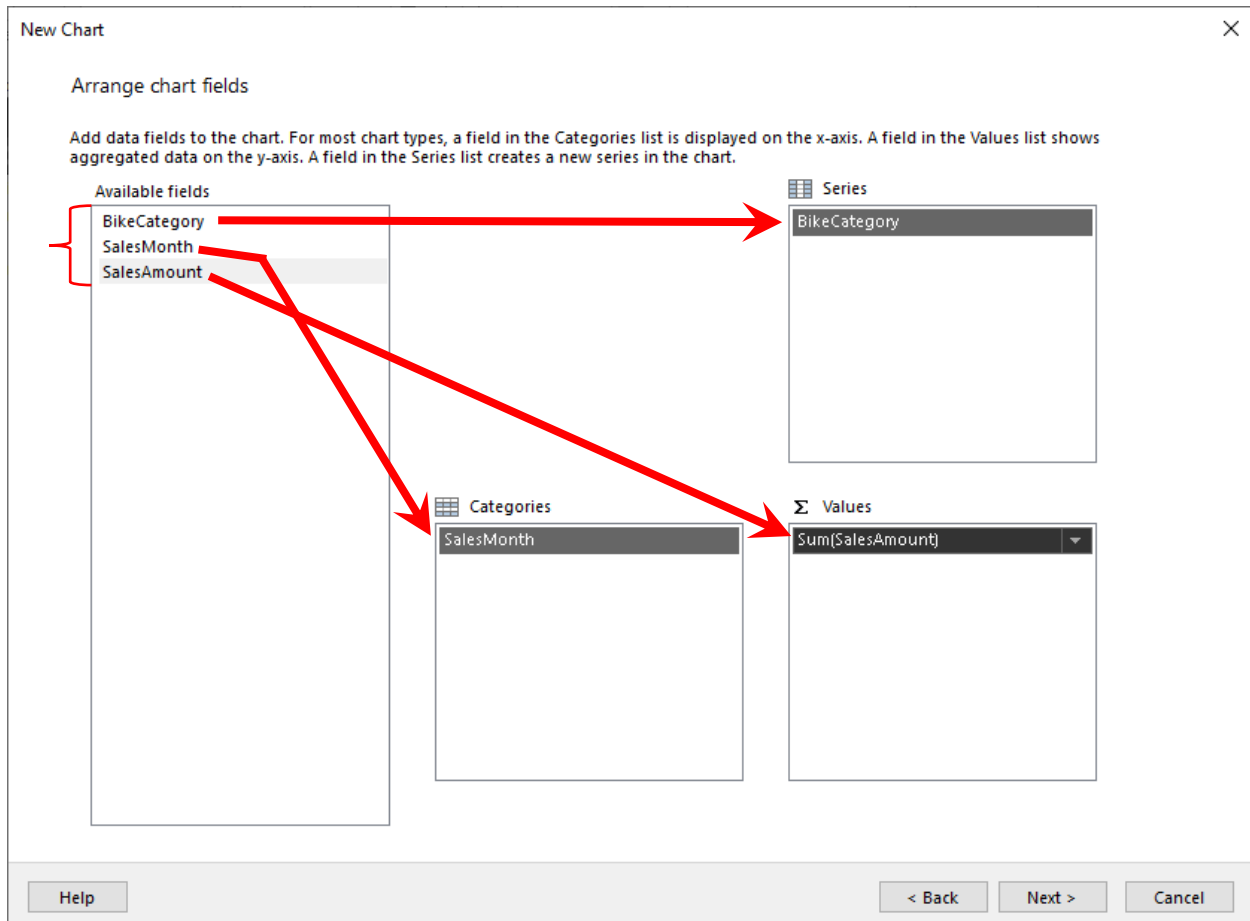
[12]   You'll then see the "*Preview*" screen. Click on the **FINISH** button.
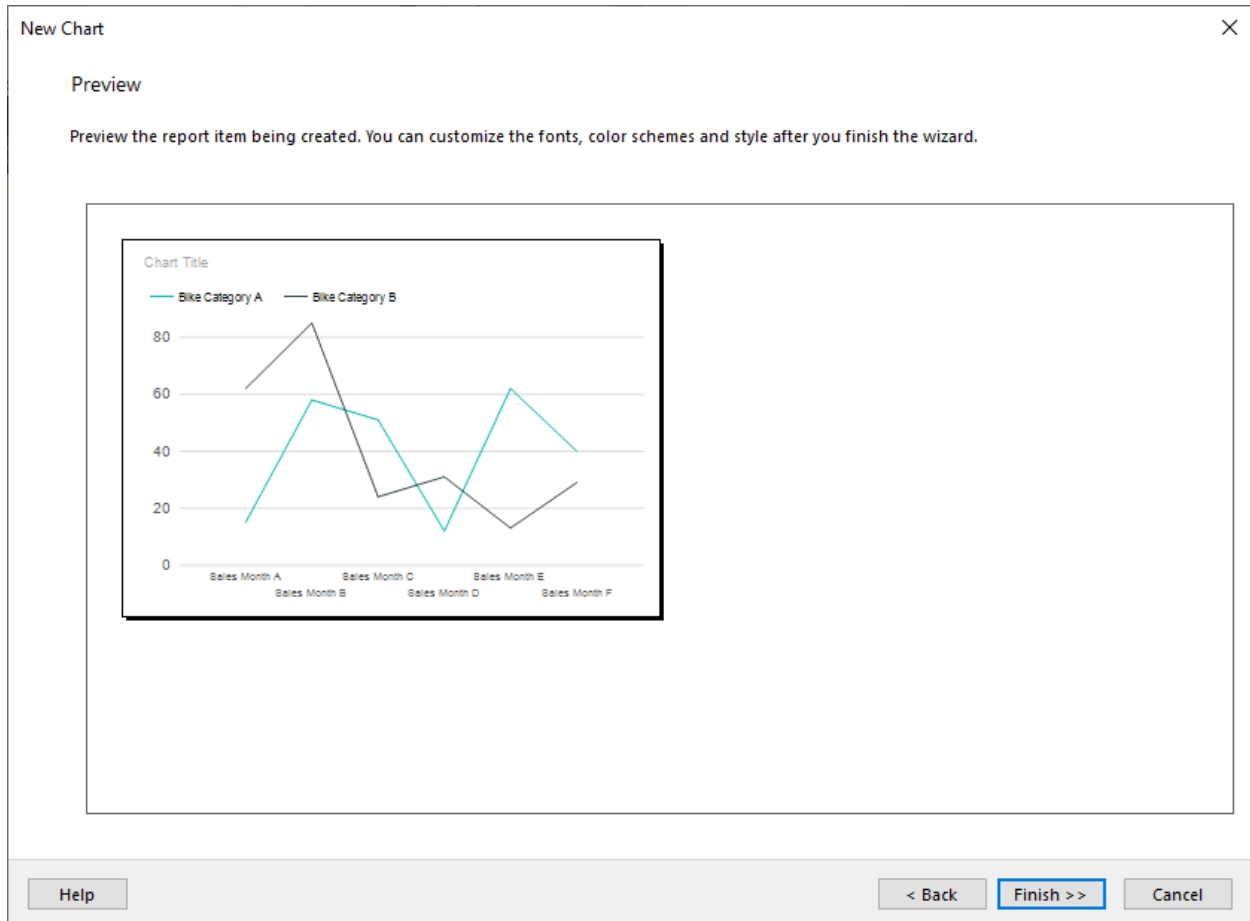
[13]   The configured report screen will then be presented in the main Report Builder window. Click on the **RUN** button in the upper left corner of the window to test out the report.
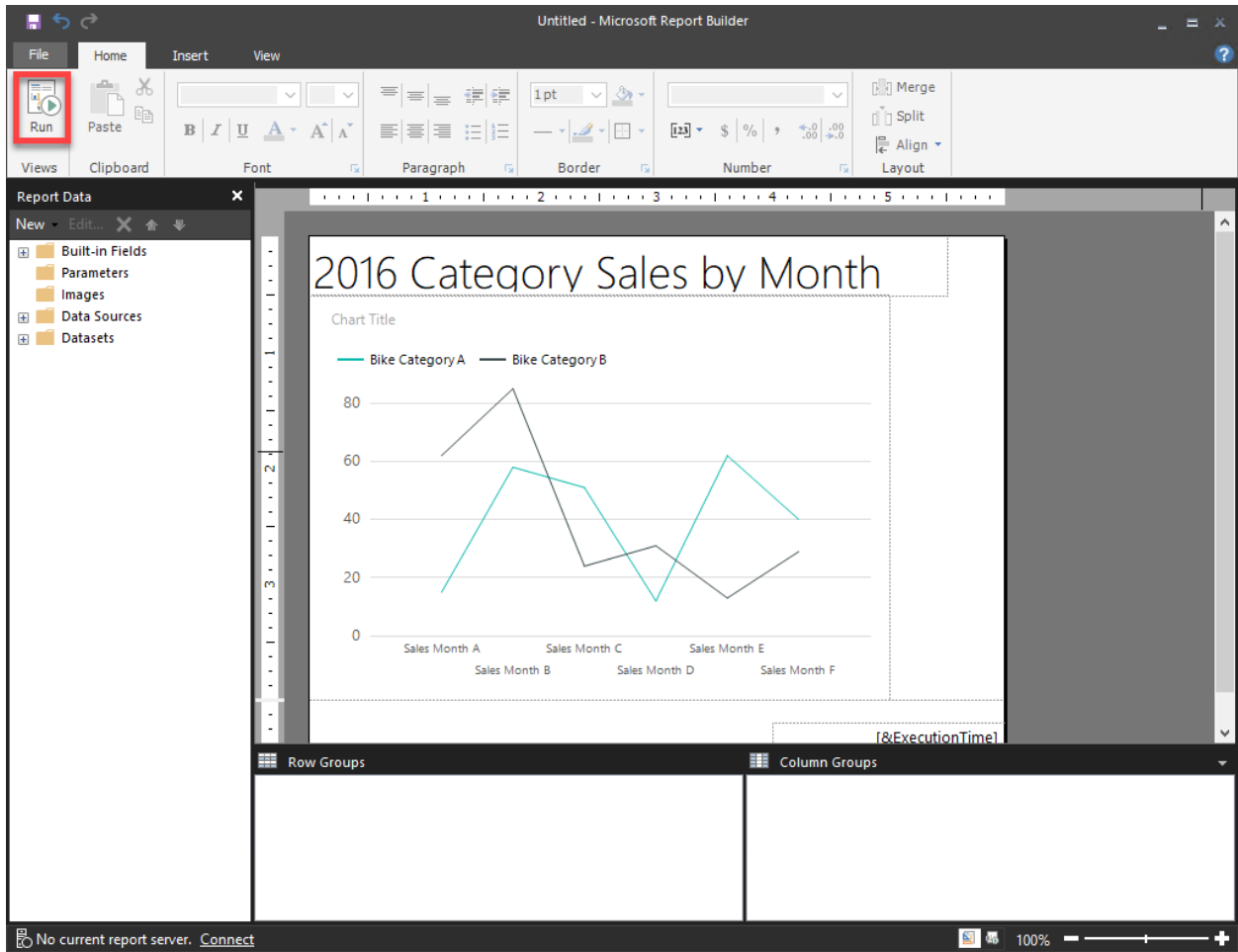
[14]   The generated report should look similar to what is provided below. Take a screenshot of
       your generated report as proof of report completion for the assignment. Incorporate the
       screenshot into your assignment document. Then click on the **DESIGN** button in the
       upper left corner of the window to return to the main Report Builder screen.
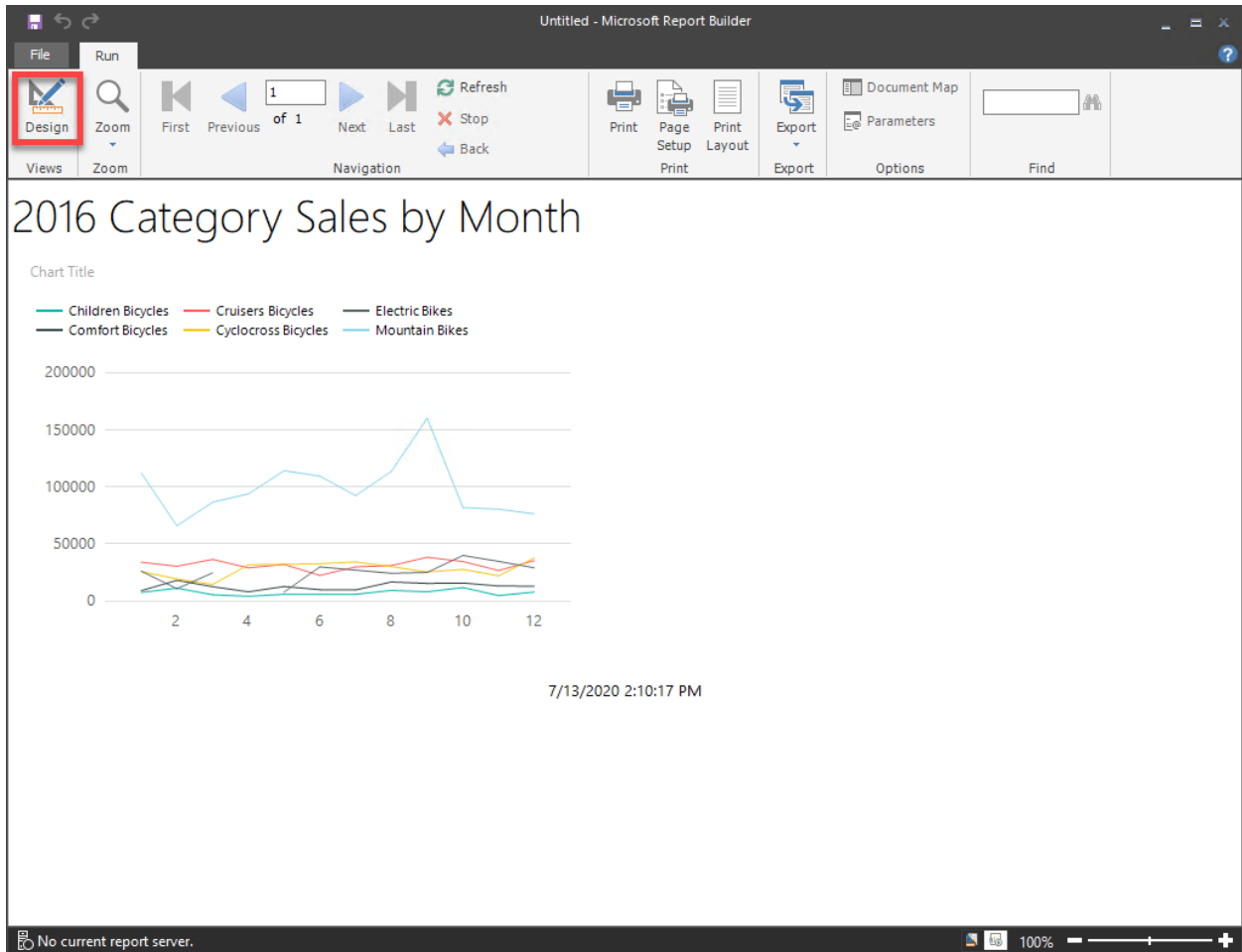
[15]   Save the Report Builder file via **FILE-->SAVE AS** from the top menu. Provide an applicable file name for the Report Builder file. You can then exit from the Report Builder application.