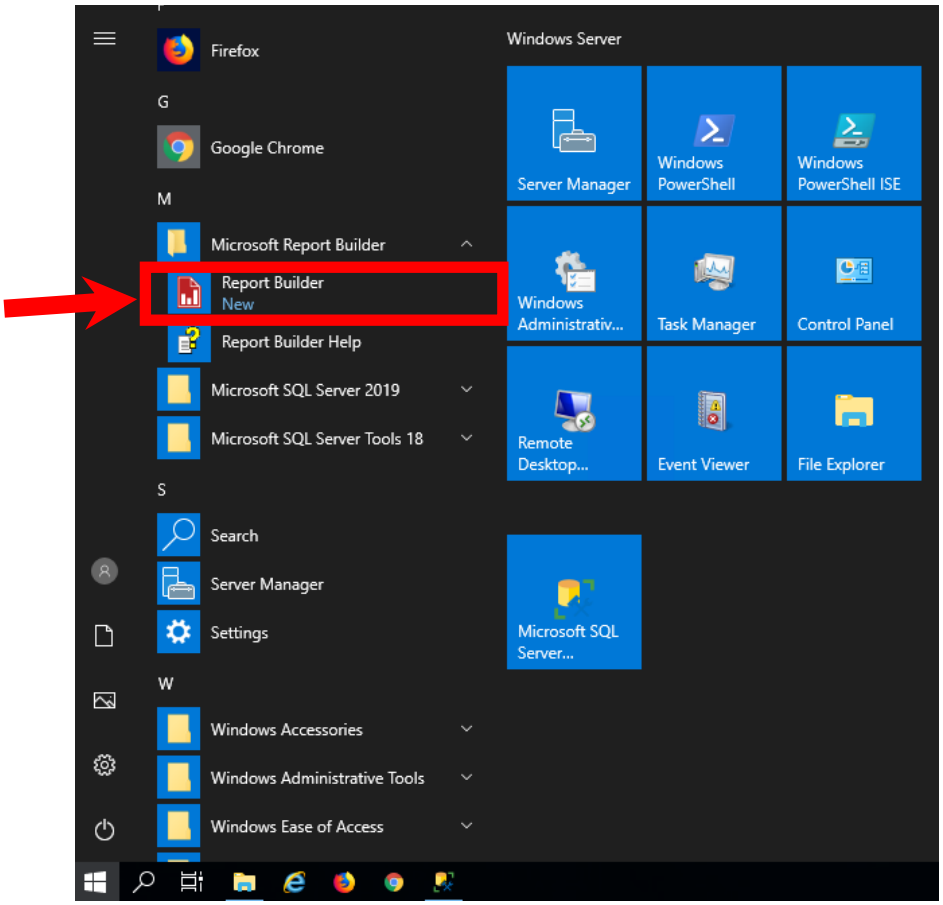
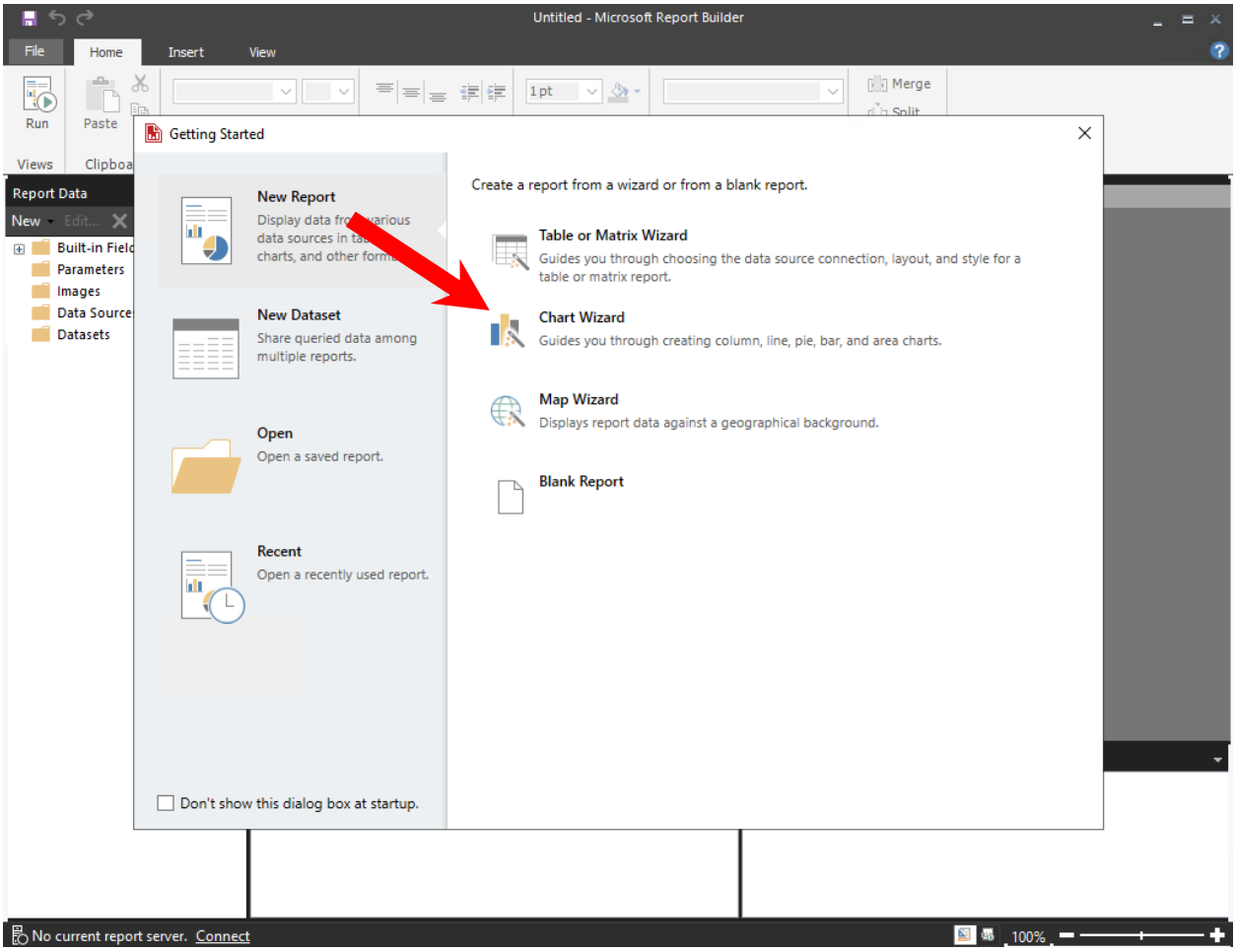
CREATING A BIKESTORES PIE CHART REPORT

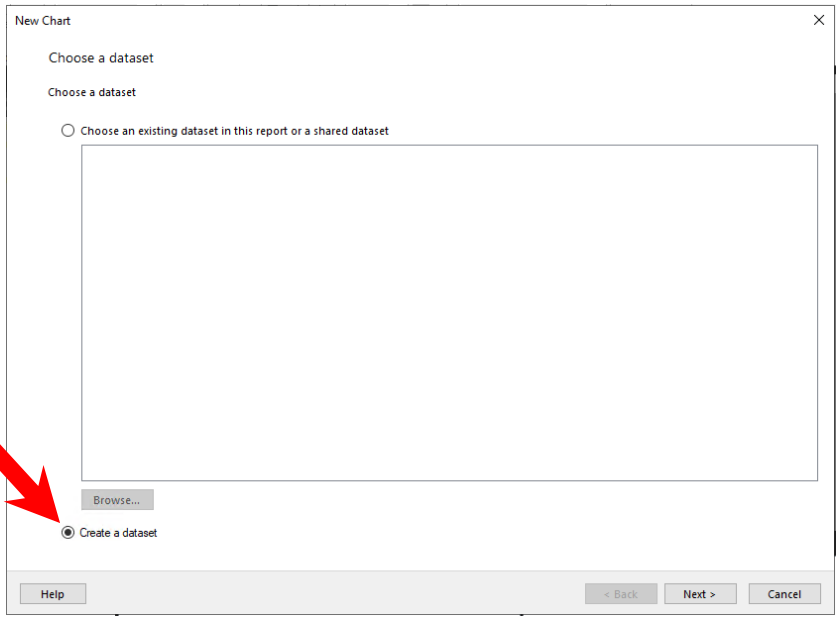
[1] To start the Microsoft Report Builder application, access the Windows Start menu and select the Microsoft Report Builder folder.



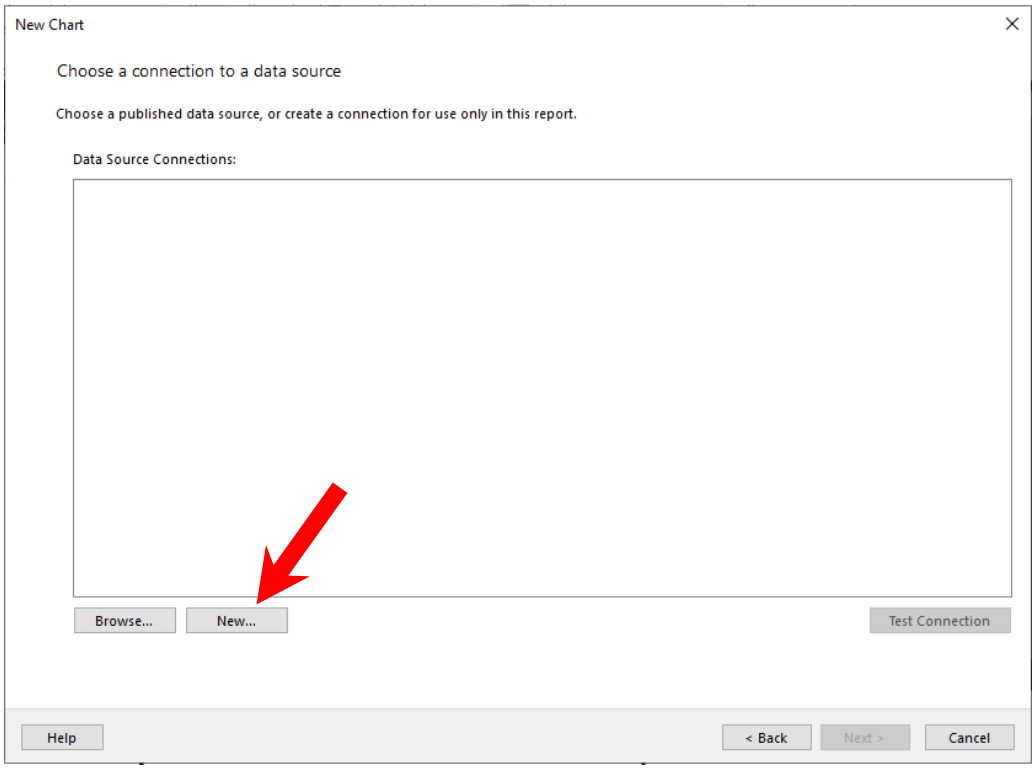
[2] You'll then see the ***Getting Started*** screen in Microsoft Report Builder. Click on the ***Chart Wizard*** option.



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



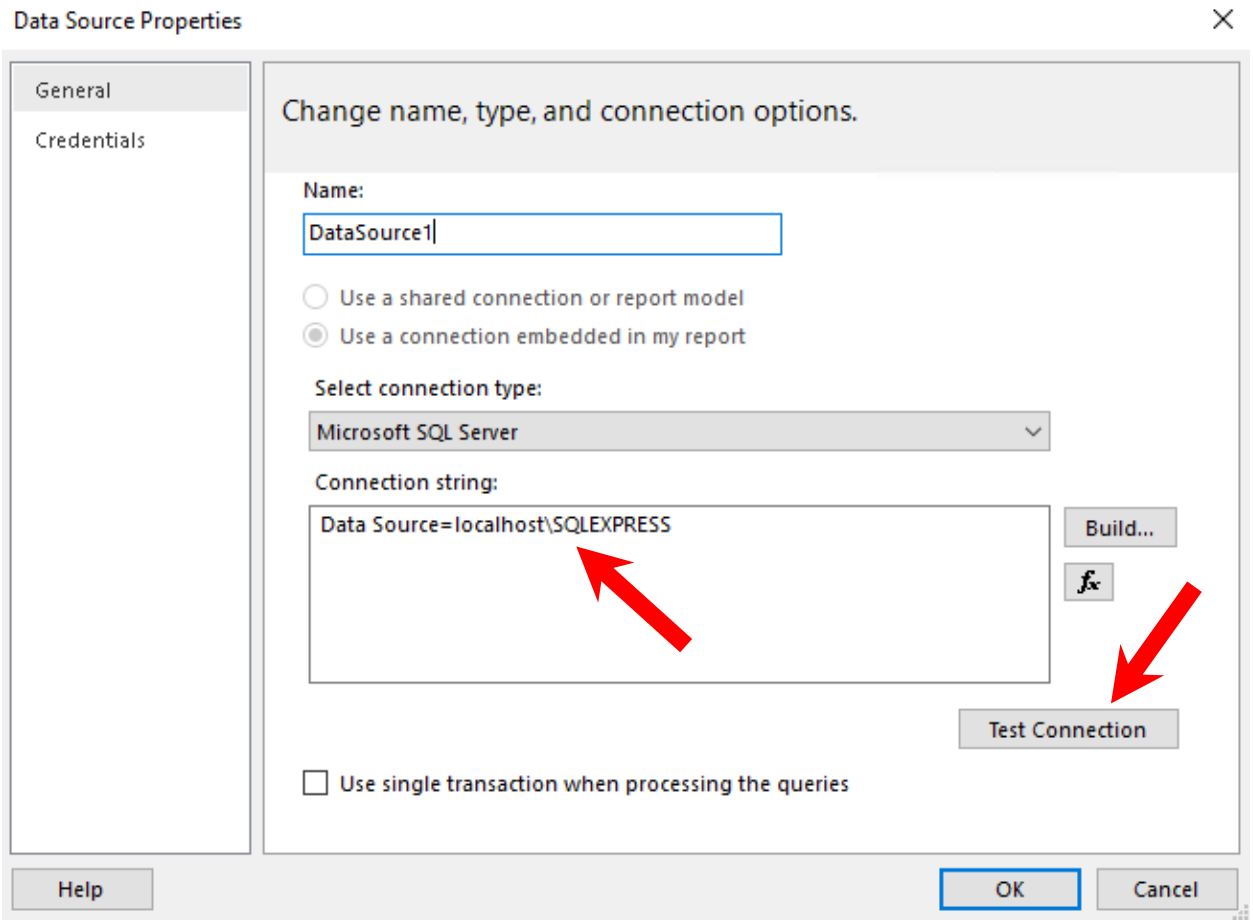
[4] You will then see a screen asking for you the "***Choose a connection to a data source***." Click on the **NEW** button.

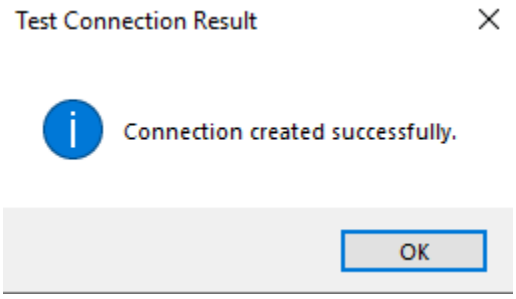


[5] You will then see the ***Data Source Properties*** screen. You can leave the Name value as is or provide a preferred name. In the Connection String field, enter the following value:

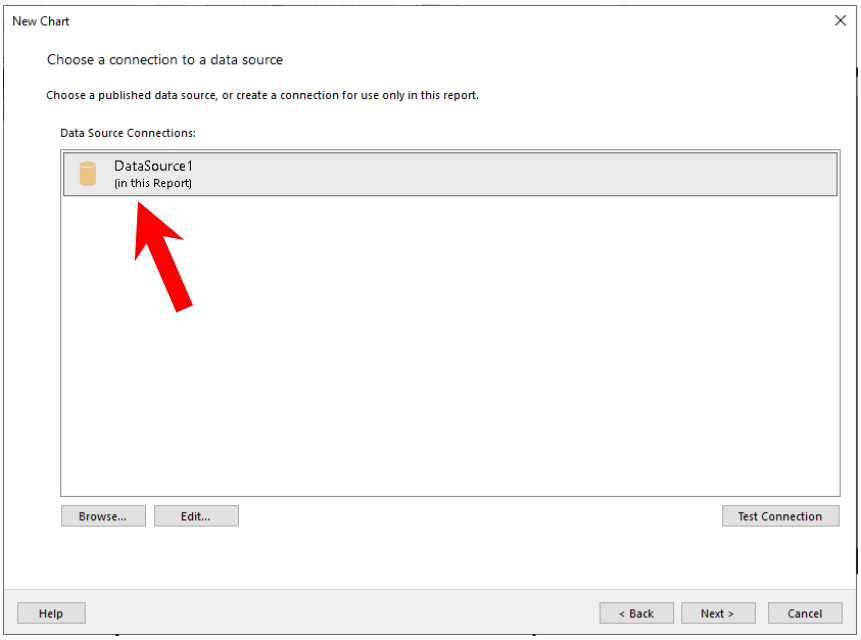
Data Source=localhost\SQLEXPRESS

Click on the **TEST CONNECTION** 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.

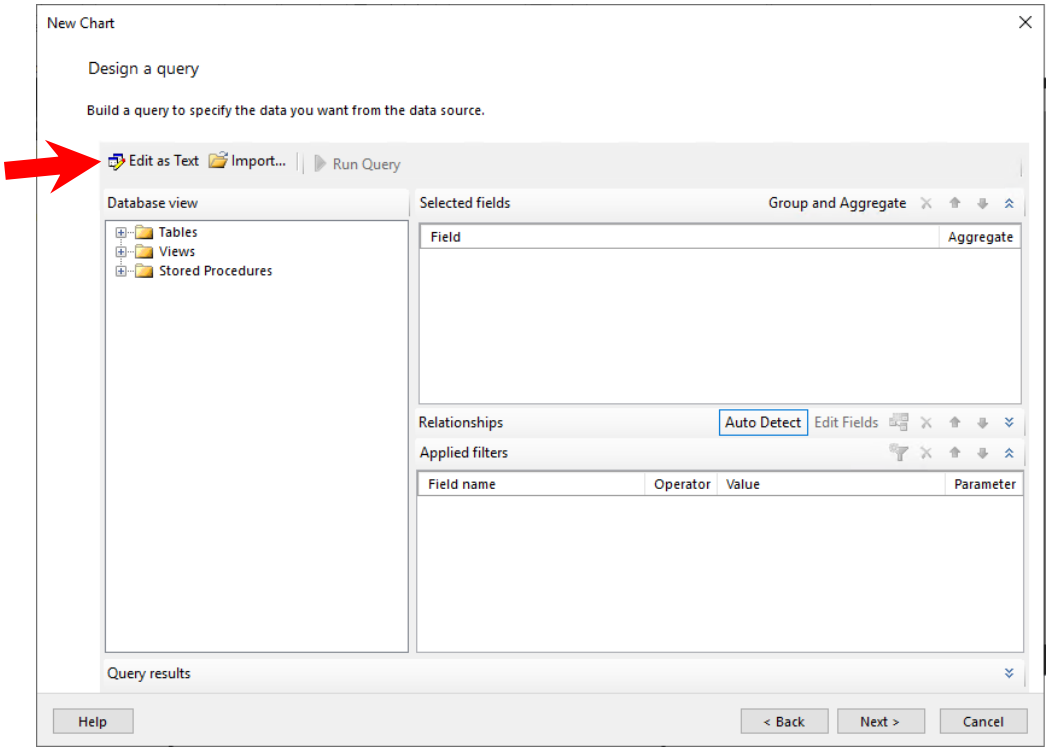




[6] You'll be returned to the "***Choose a connection to a data source screen***." Make sure the new data source entry is highlighted and then click on the **NEXT** button to continue.

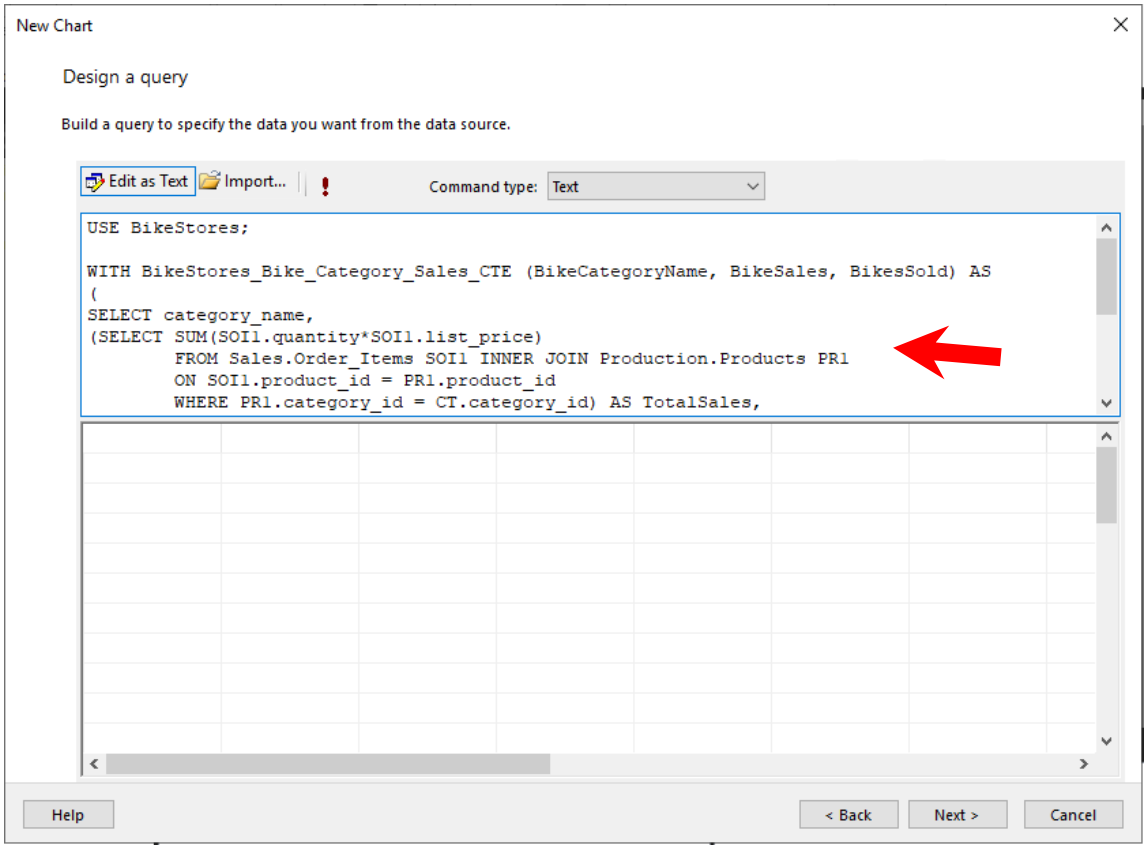


[7] You'll then see the "***Design a query***" screen. Click on the "***Edit as Text***" option in the top left portion of the screen.

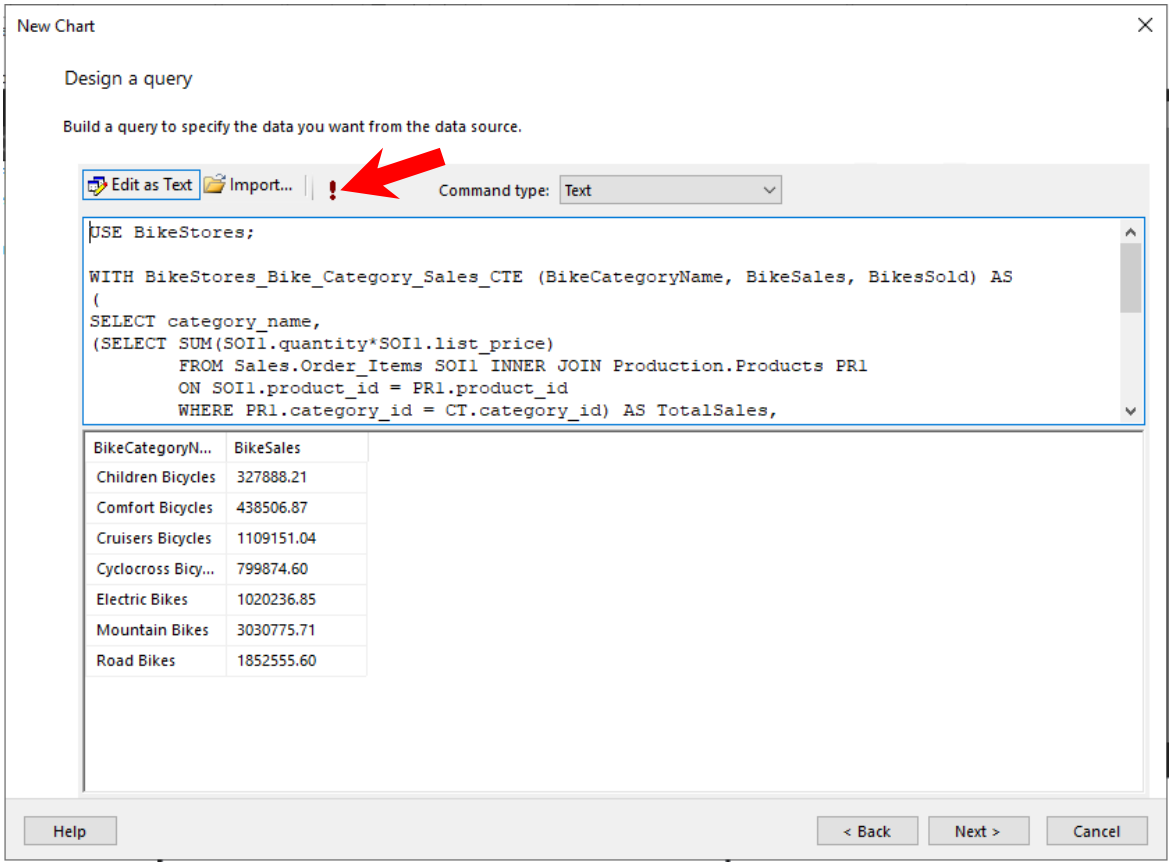


[8] In the provided text field area, enter the following SQL statements:

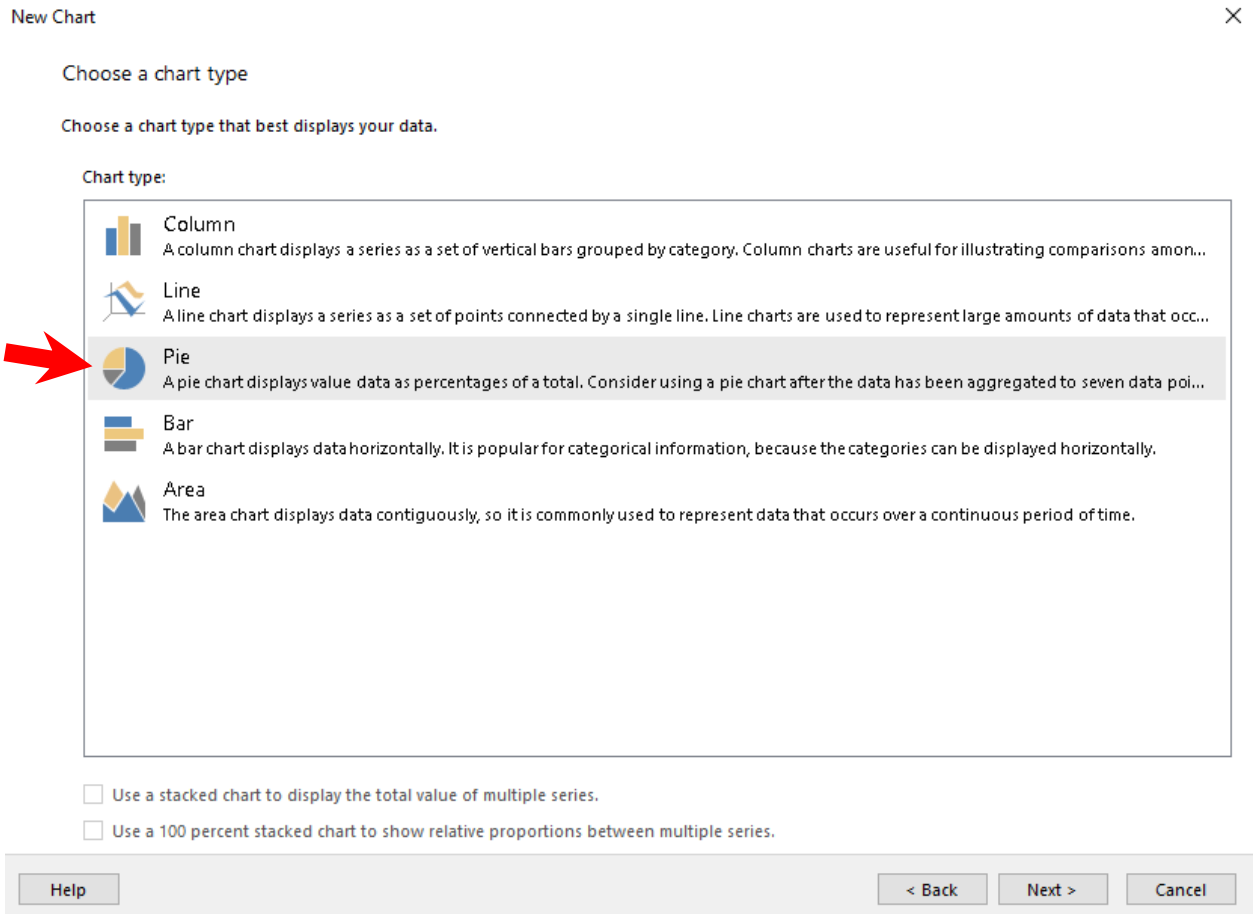
```
USE BikeStores;

WITH BikeStores_Bike_Category_Sales_CTE (BikeCategoryName, BikeSales,
BikesSold) AS
(
SELECT category_name,
(SELECT SUM(SOI1.quantity*SOI1.list_price)
      FROM Sales.Order_Items SOI1 INNER JOIN Production.Products PR1
      ON SOI1.product_id = PR1.product_id
      WHERE PR1.category_id = CT.category_id) AS TotalSales,
(SELECT SUM(SOI2.quantity)
      FROM Sales.Order_Items SOI2 INNER JOIN Production.Products PR2
      ON SOI2.product_id = PR2.product_id
      WHERE PR2.category_id = CT.category_id) AS BikesSold
FROM Production.Categories CT
)

SELECT BikeCategoryName, BikeSales
FROM BikeStores_Bike_Category_Sales_CTE
ORDER BY BikeCategoryName;
```



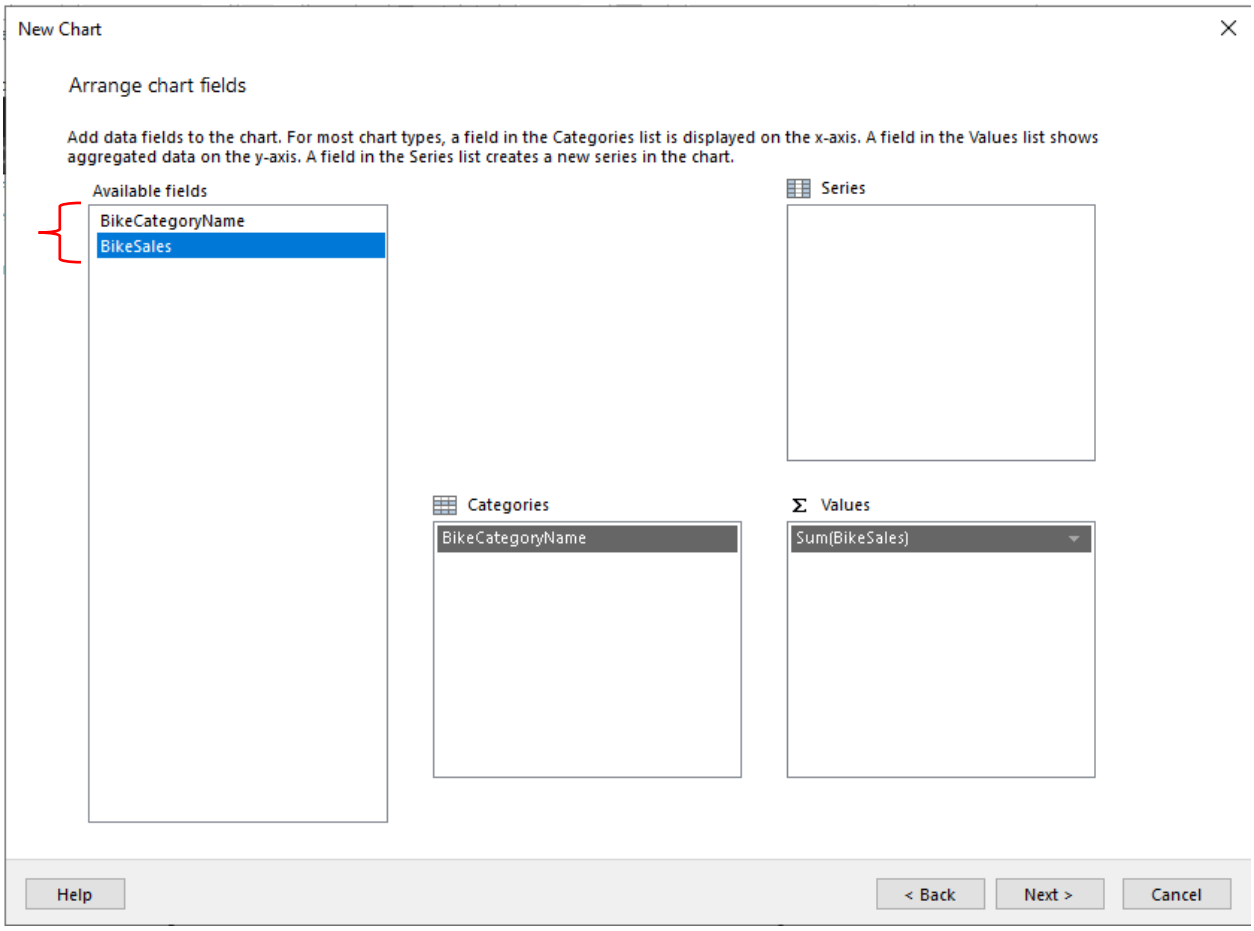
[9] Click on the exclamation point ( ) to execute and test the entered SQL code. A total of 7 records should be returned from the SQL statements. Then click on the **NEXT** button to continue.



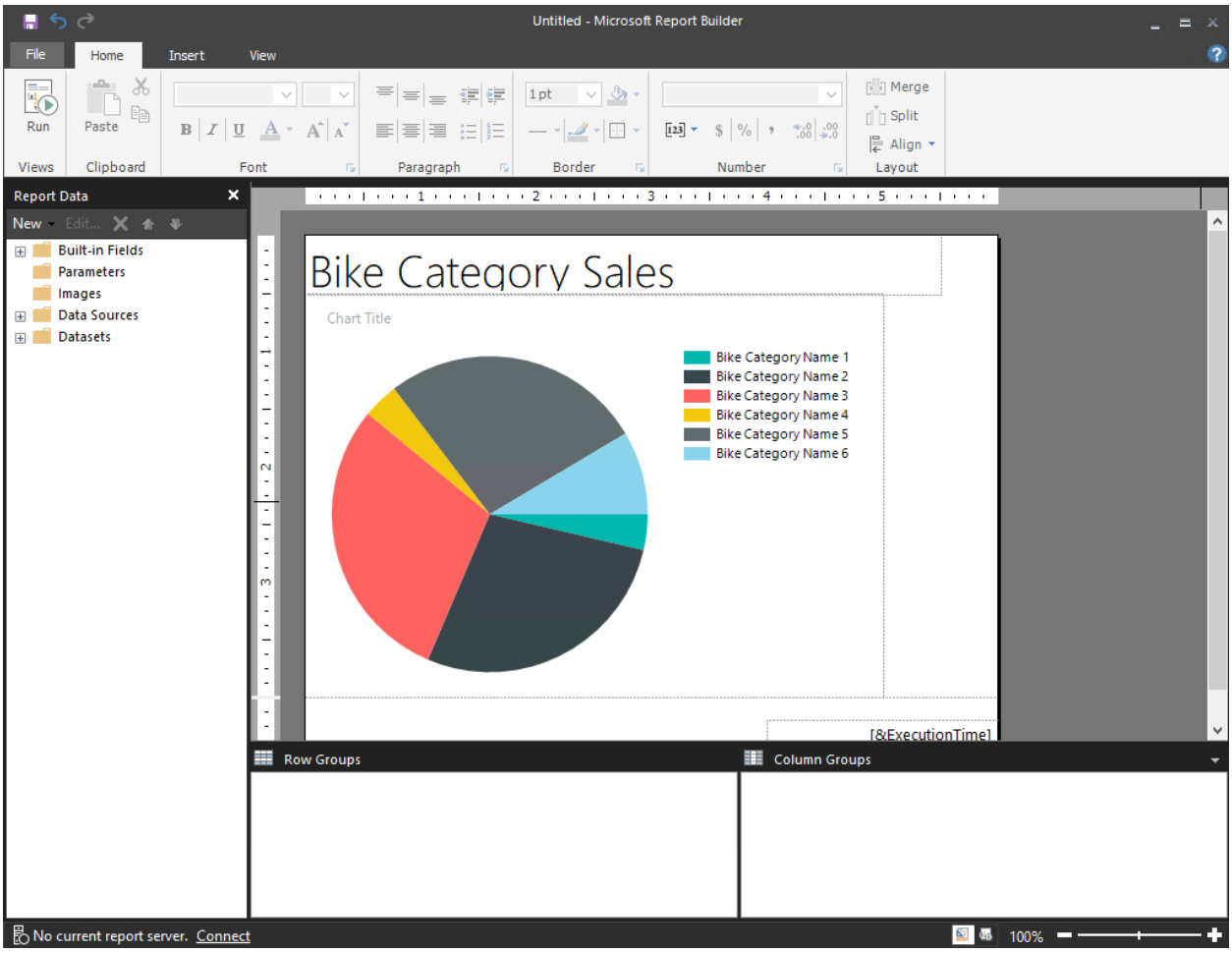
[10] You will then see the "***Choose a chart type***" screen. Select the ***Pie*** option and then click on the **NEXT** button.



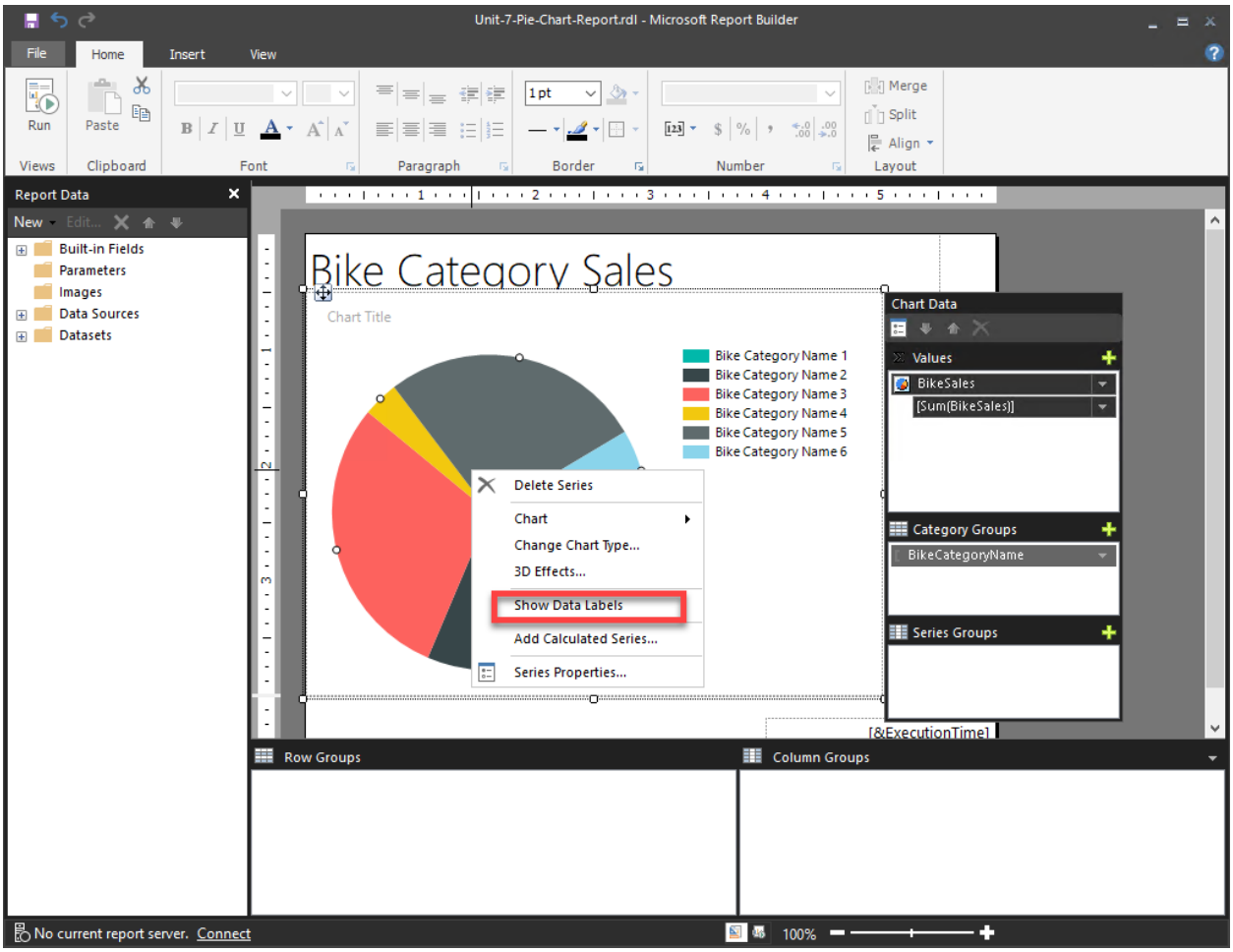
[11] You will then be presented with the "***Arrange fields***" screen. Double-click on the **BikeCategoryName** and **BikeSales** entries in the "***Available fields***" list. The items will automatically populate the "***Categories***" and "***Values***" areas. Click on the **NEXT** button to continue.



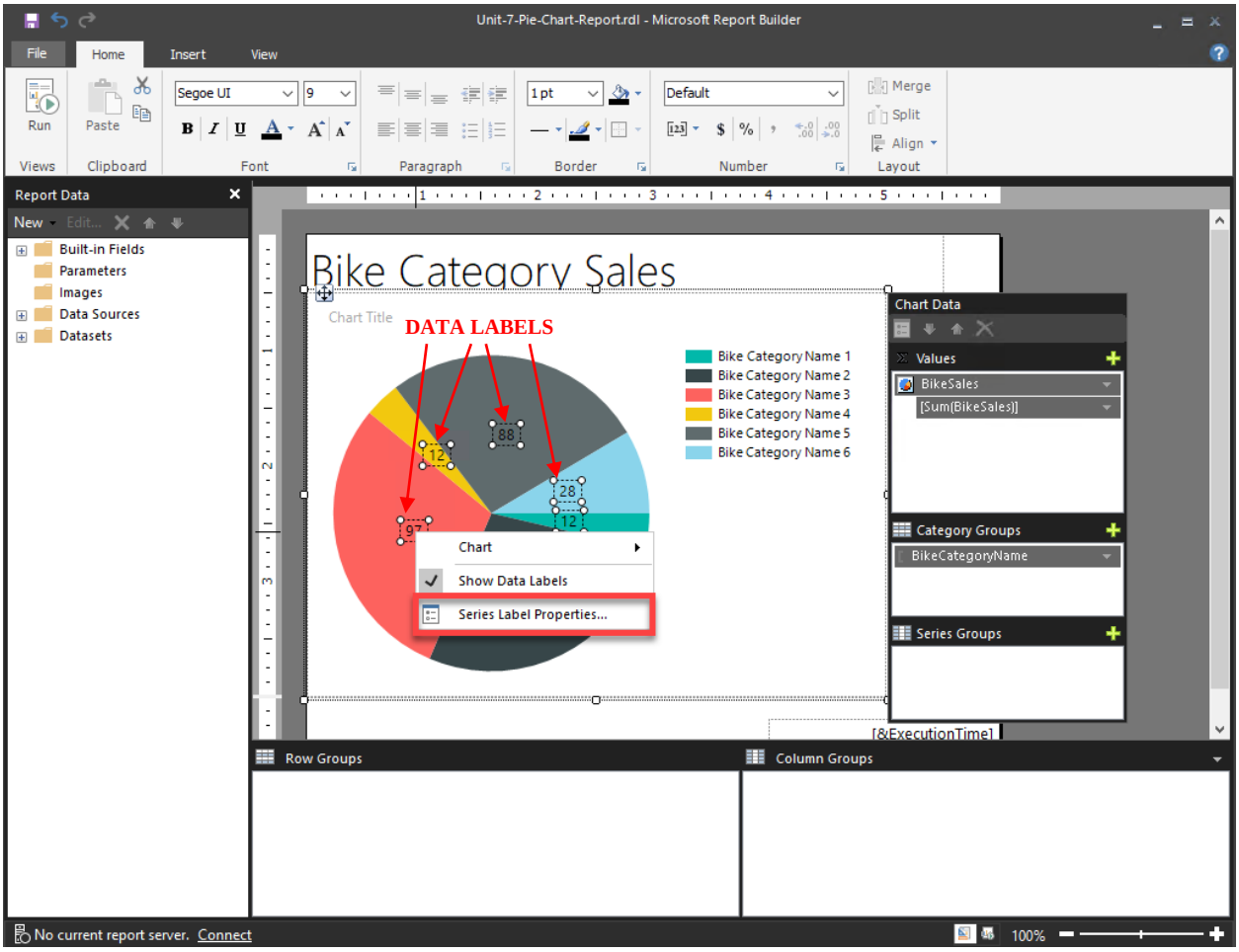
[12] You'll then see the "***Preview***" screen. Click on the **FINISH** button.



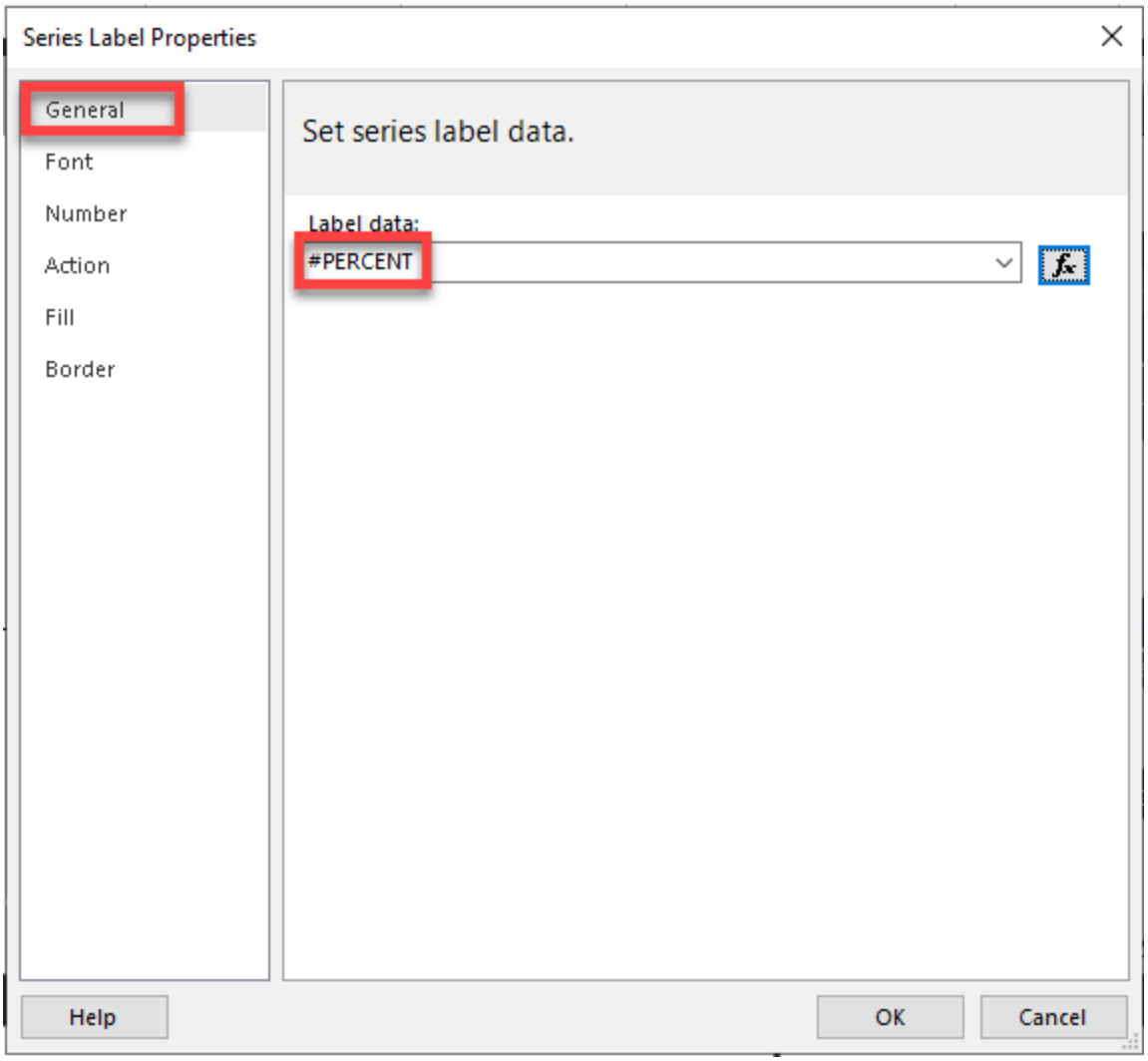
[13] The configured report screen will then be presented in the main Report Builder window. You can add a title as specified on the screen. Right-click on the pie item in the chart and select the ***Show Data Labels*** item in the right-click menu.



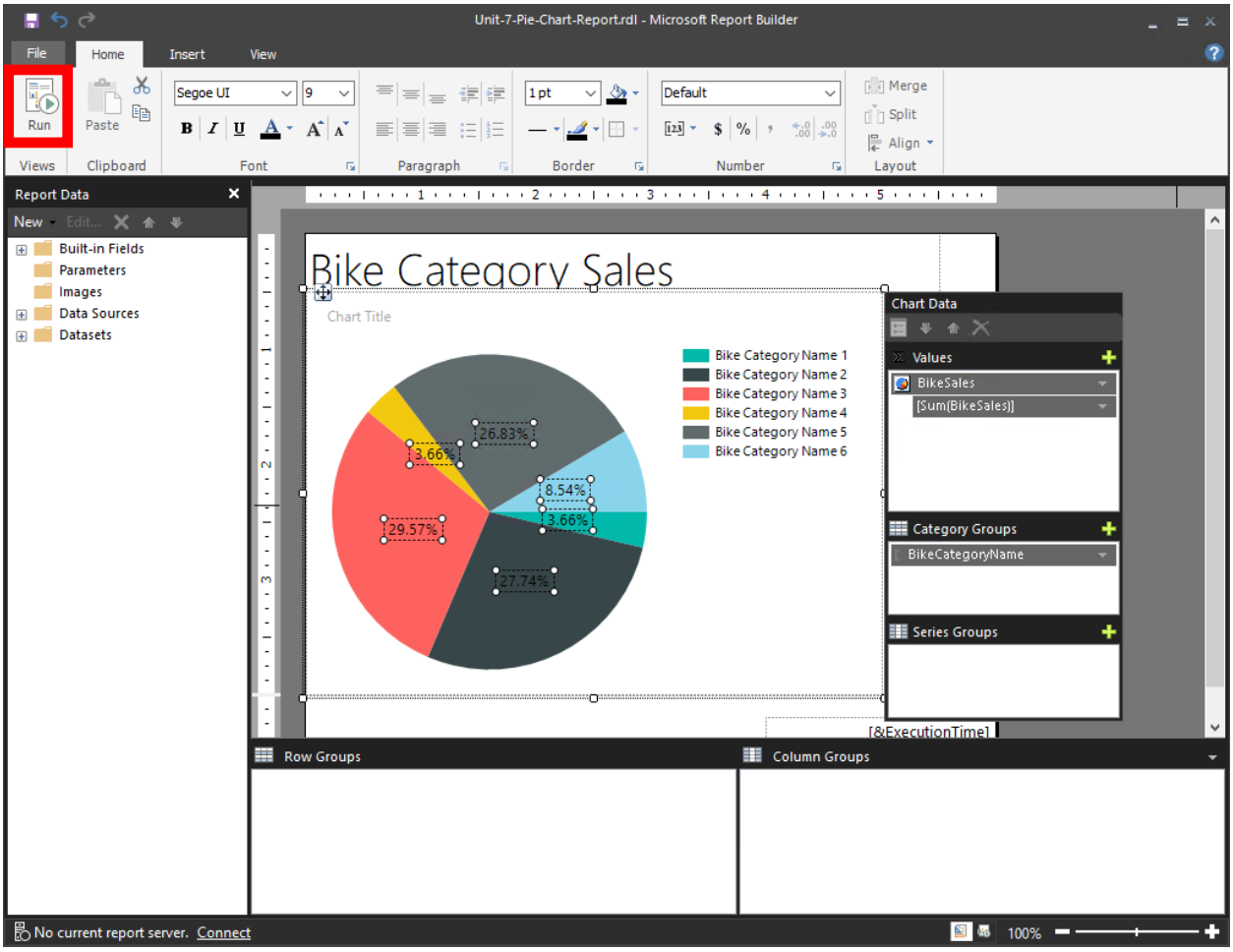
[14] Right-click on one of the data labels contained within the pie chart. Select the ***Series Label Properties*** item from the right-click menu.



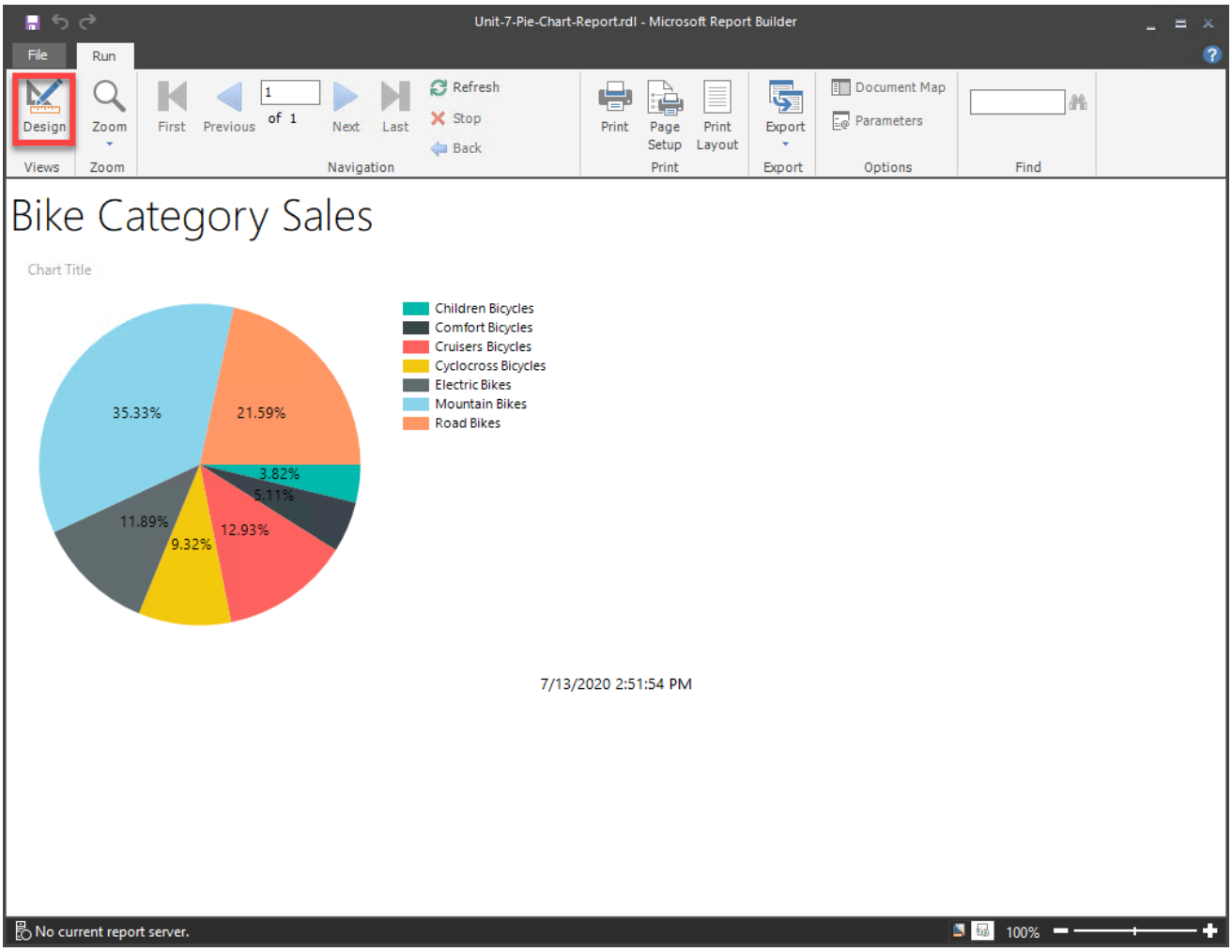
[15] In the ***General*** section of the ***Series Label Properties*** window, enter **#PERCENT** into the ***Label Data*** text field. Then click on the **OK** button to apply the change.



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



[17] 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.



[18] 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.