Writer: I&D Microsoft	**Initials entity:**
Date creation: 26/04/2018	**Last upgrade:** 27/04/2018

POWER BI LAB DOCUMENT

DAY 4- LAB 1

Version	Author	Comment	Reviewed By	Date
V 1.0	I&D Microsoft	Initial draft	Moupiya Das	

Pre-requisites

Installed and working Power BI Desktop setup.

Environment Setup

1. Installing Power BI Desktop

Power BI Desktop lets you create a collection of queries, data connections, and reports that can easily be shared with others. Power BI Desktop integrates proven Microsoft technologies – the powerful Query engine, data modeling, and visualizations – and works seamlessly with the online Power BI service. You will need to download and install Power BI desktop to perform the labs in this course.

1.1 Which version to install?

• If you have a 32 bit machine, you need to install the 32bit Power BI Desktop.

• If you have a 32 bit Office installed (regardless of your machine), you need to install the 32 bit Power BI Desktop.

• Otherwise, you can install the 64 bit PBI Desktop.

1.2 Minimum requirements

• Windows 7 / Windows Server 2008 R2, or later

• .NET 4.5

• Internet Explorer 9 or later

1.3 Download and install Power BI Desktop

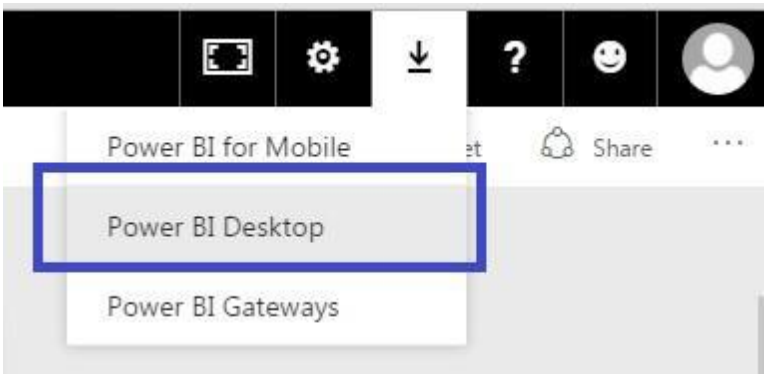
You can download and install the latest version of Power BI Desktop in two ways,

1. Directly from Microsoft link, http://go.microsoft.com/fwlink/?LinkID=521662
Note: To select which version to download, go to https://www.microsoft.com/en-us/download/details.aspx?id=45331 and select appropriate version.

2. Or, from Power BI Service site, https://app.powerbi.com/, i.e., in Power BI, click the Downloads > **Power BI Desktop**.

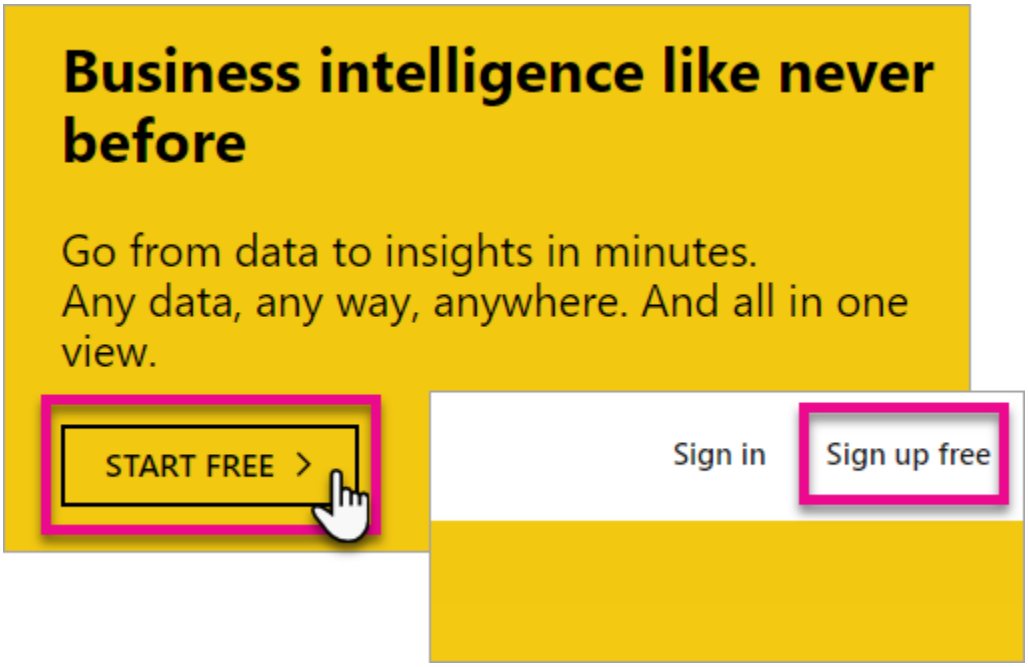
2. Get Excel Data File: AdventureWorksDatabase.xlsx

AdventureWorksDatabase.xlsx (Download this data file)

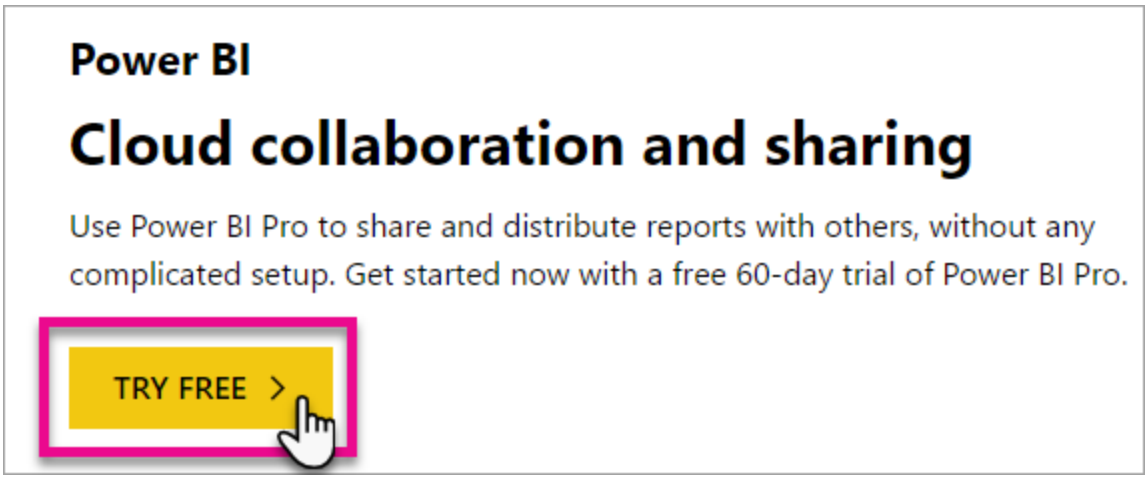


3. Signing Up for Power BI Service

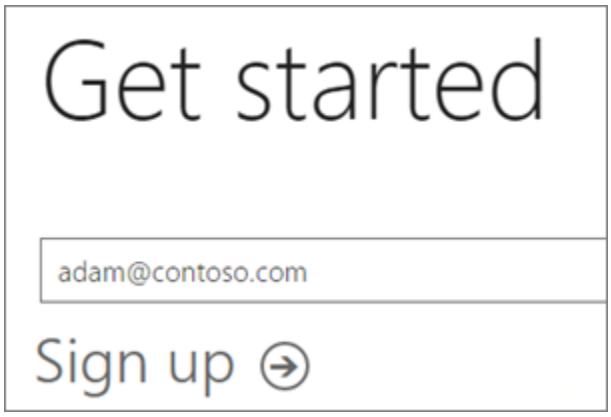
1. Browse to powerbi.com.
2. Select **Start Free** or **Sign up free**.



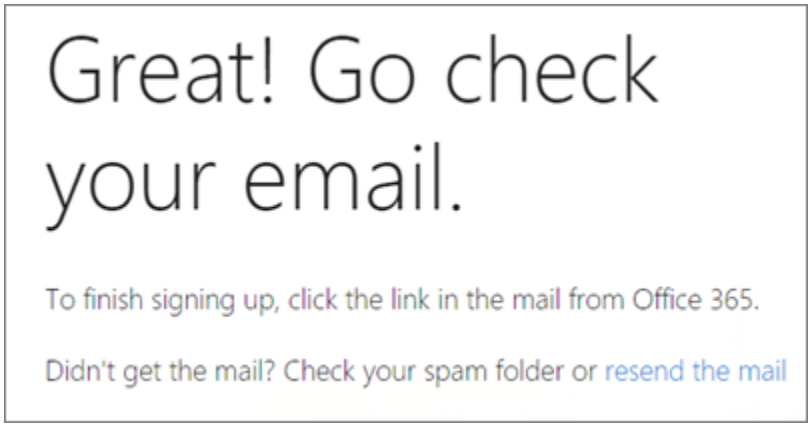
3. On the get started page, select **Try Free >** under Power BI.



4. Enter the email address you are signing up with, and then select **Sign up**. Be sure your email address is allowed for sign up. For more information about what email address you can use, see [What email address can be used with Power BI.]



5. You will get a message indicating to check your email.



6. Select the link within the email to verify your email address. This will bring you back into the sign up flow. You may need to supply some additional information about yourself.
7. You will then be taken to https://app.powerbi.com and you can begin using Power BI as a free user.

Lab Overview

1. Working with Various Charts/Visuals:

- Bar Chart
- Line Chart
- Combo Chart
- Gauges and Single Number Chart
- Tabular Charts
- Pie Chart
- Waterfall and Funnel Chart
- Scatter Object
- Filtering
- Sorting
- Grouping
- Bookmarks and Selection Panes

2. Working with Power BI:

- Shapes Text Boxes and Images
- Show Categories with No data
- Page Layout and Formatting
- Complex interactions between visualizations
- Visual Hierarchies
- Category Options
- Custom Visuals

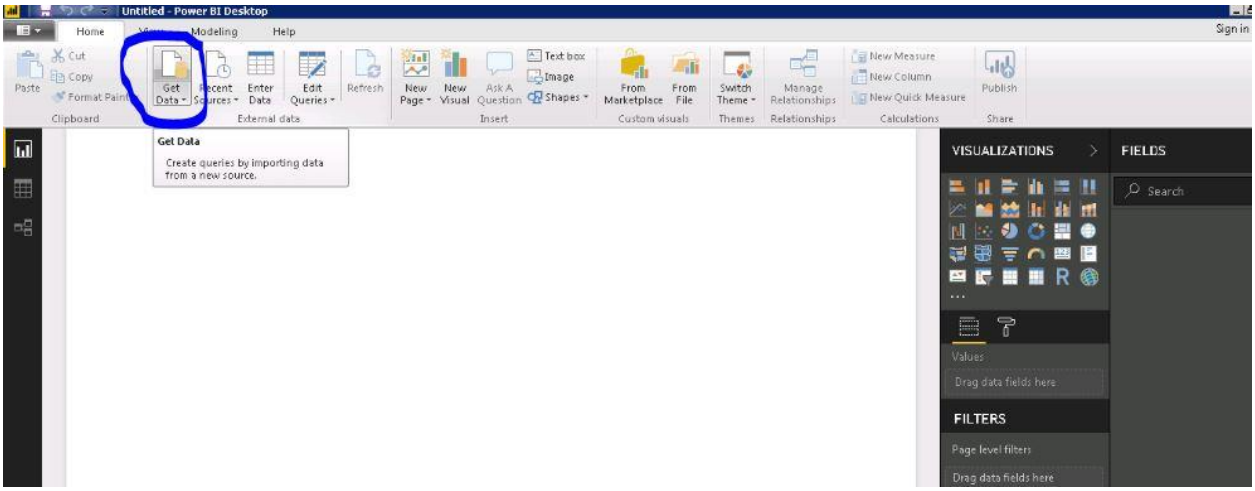
Case Scenario

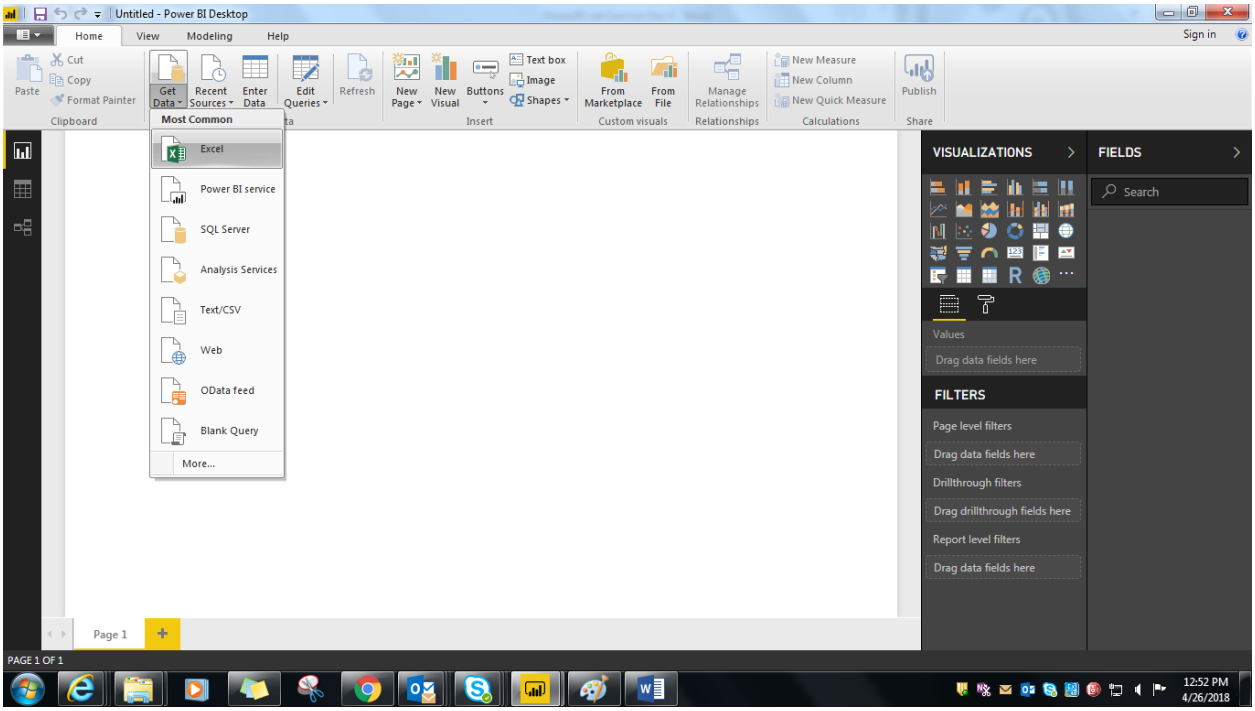
- Load AdventureWorksDatabase.xlsx file into Powerbi Desktop and prepare data model setting up relationships.
- Create measures/Hierarchy as per requirement.
- Use various visualizations like charts, Slicers, Filters and others to plot good reports.
- Create complex and interactive reports.
- Create reports with Custom visuals.
- Learn various Visualizations and their scopes and uses.
- Covered almost all important visual like- Bar Chart, Line Chart, Combo Chart, Gauges and Single Number Chart, Tabular Charts etc.
- Use various format properties for each visuals for better look and feels.

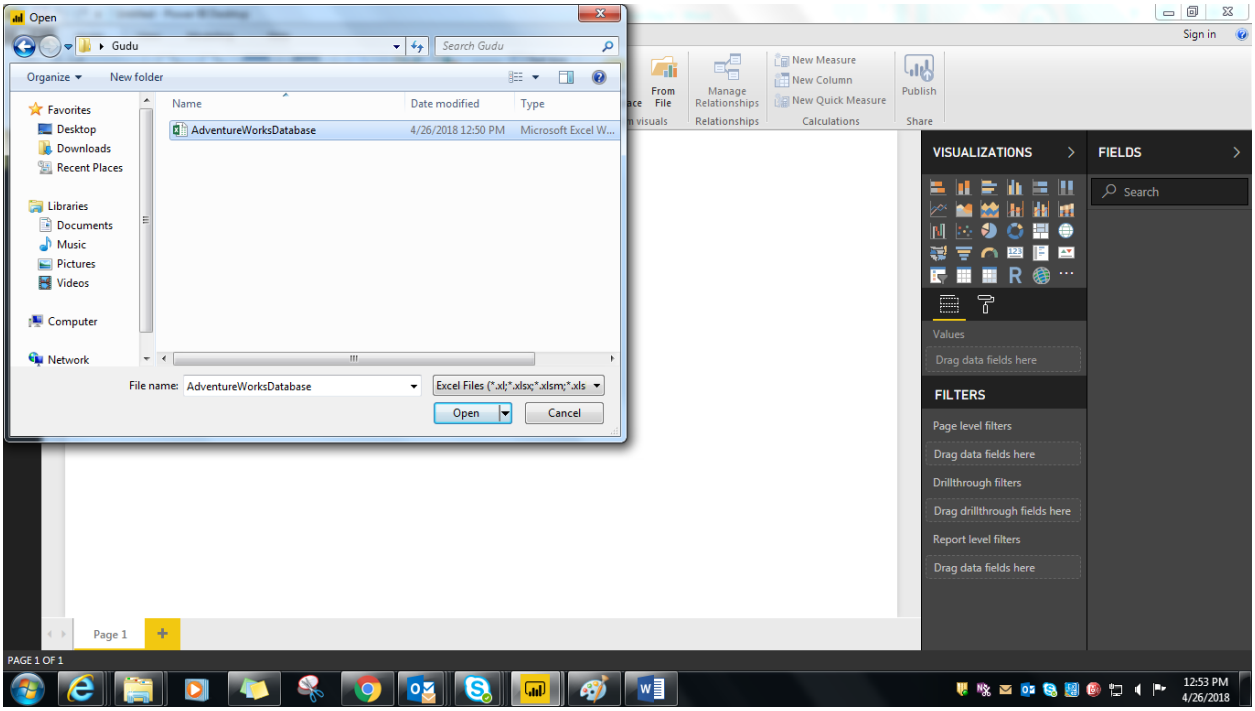
Table of Contents

1. Import Data:

1. Start with a blank Power BI Desktop file.
2. Click on Get Data option in the ‘Home’ tab.



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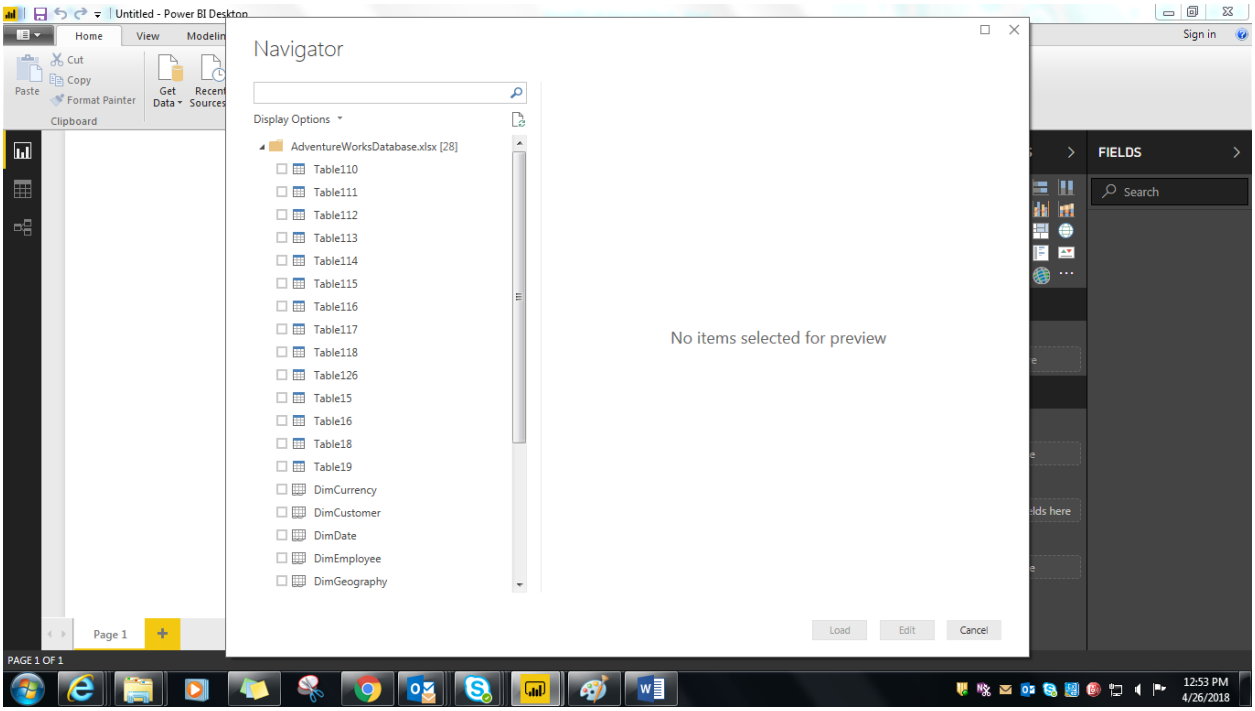
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Clipboard
Navigator
Display Options
AdventureWorksDatabase.xlsx [28]
Table110
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Table115
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Table117
Table118
Table126
Table15
Table16
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Table19
DimCurrency
DimCustomer
DimDate
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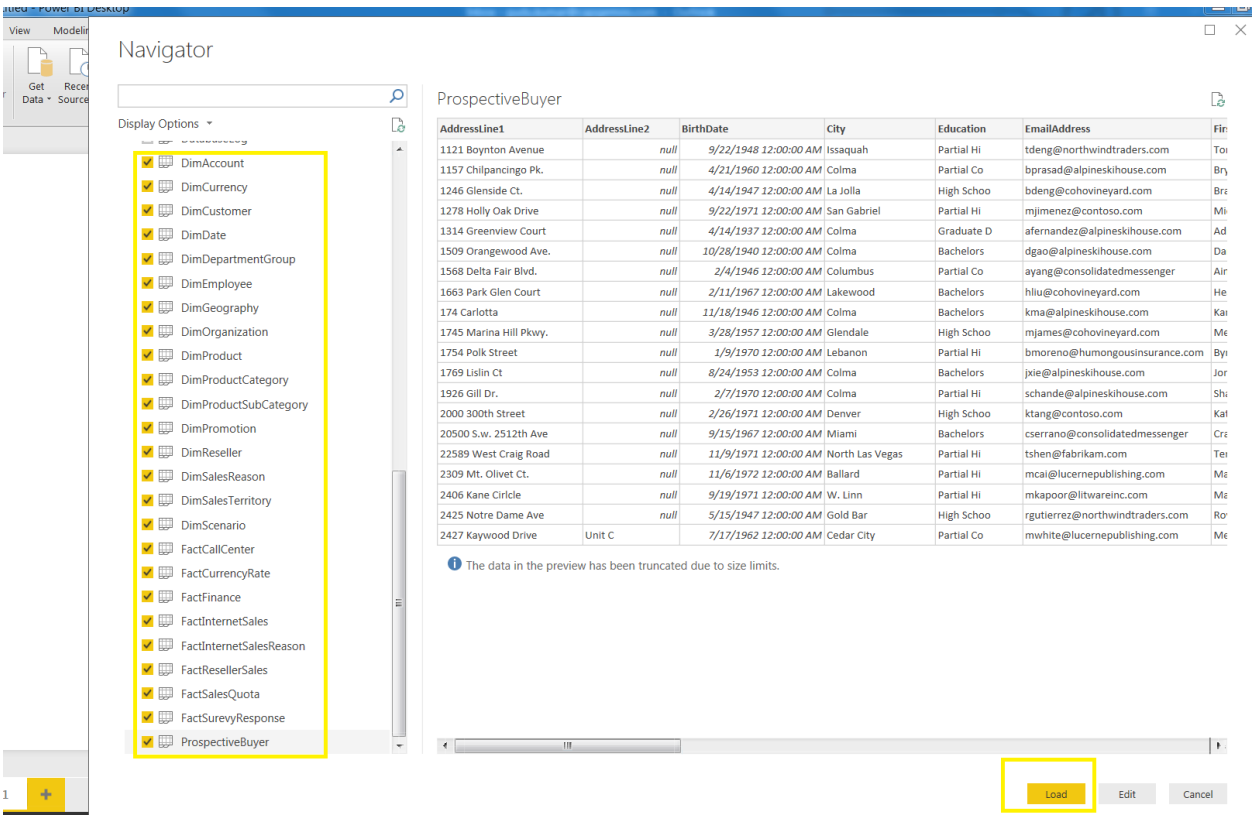
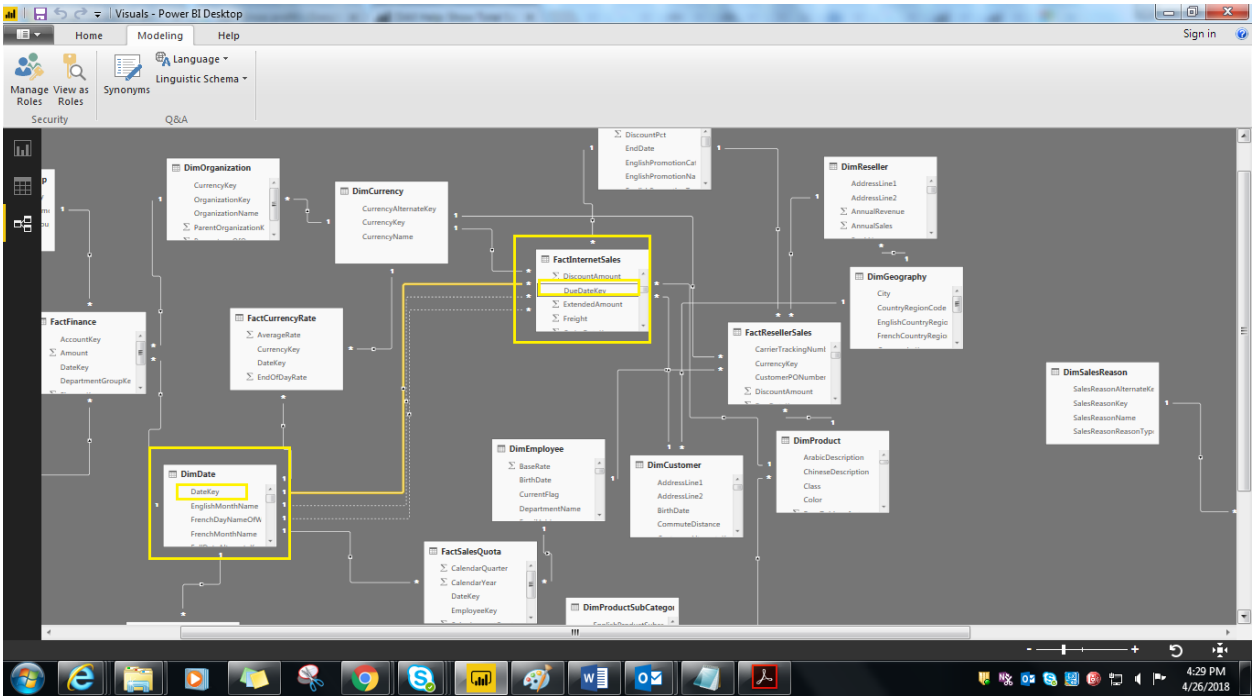
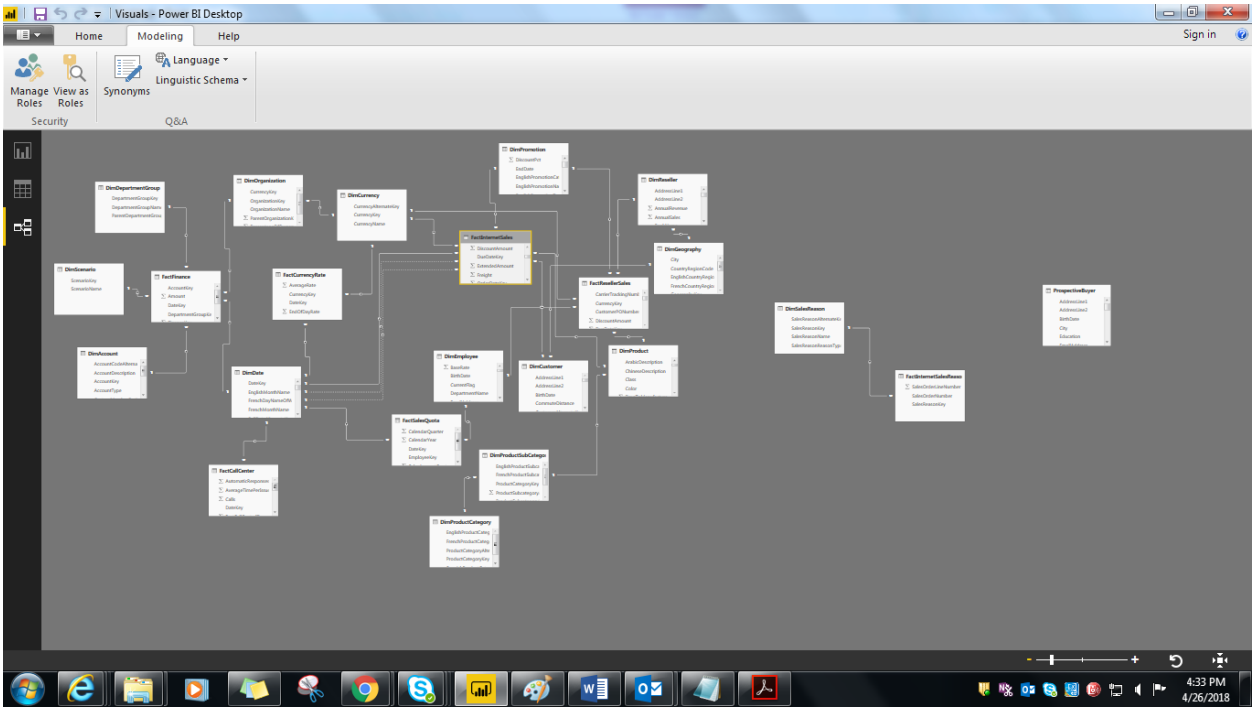
4/26/2018



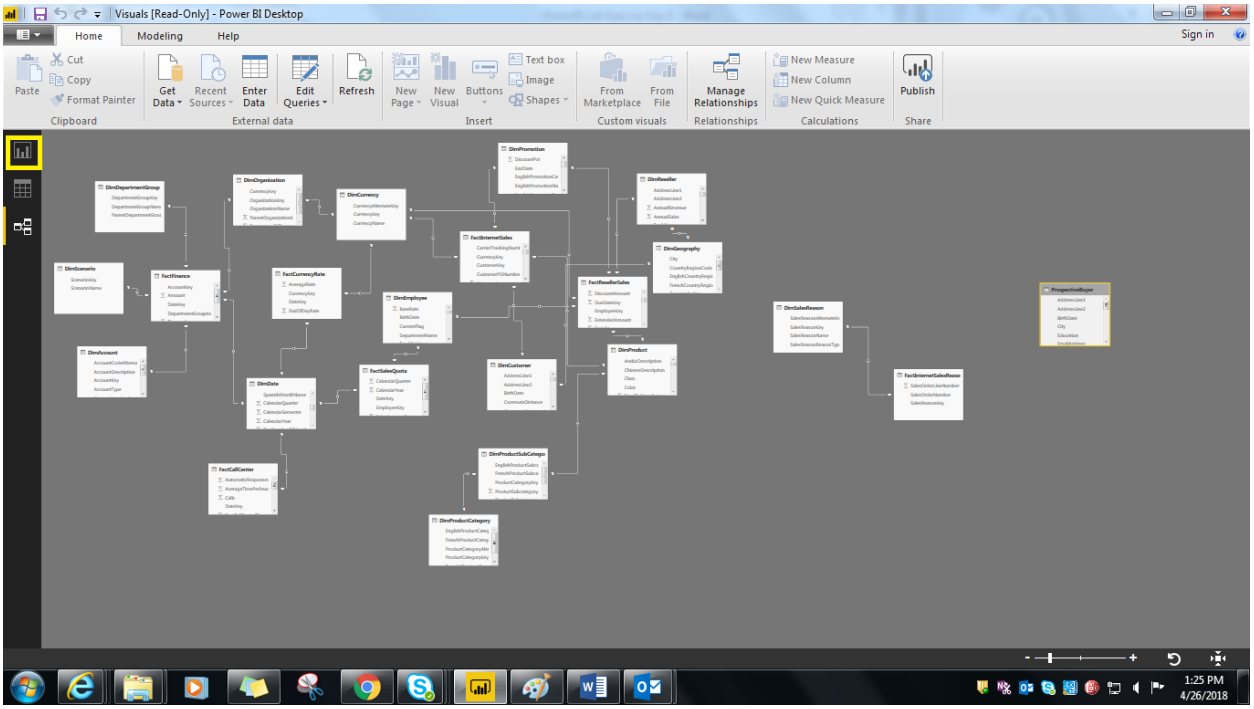
Create Relationship between DimDate(DateKey) and FactInternetSales(DueDateKey) table:

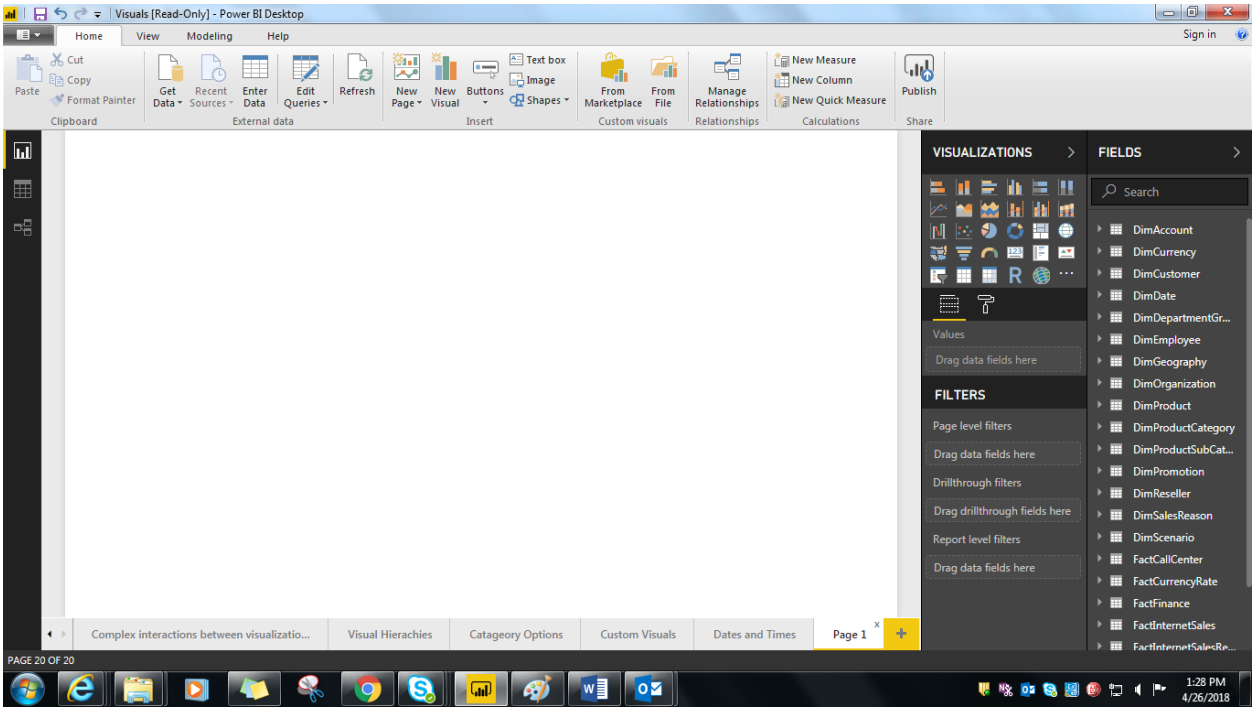


Now we can see model is prepared:



Go to Report View:

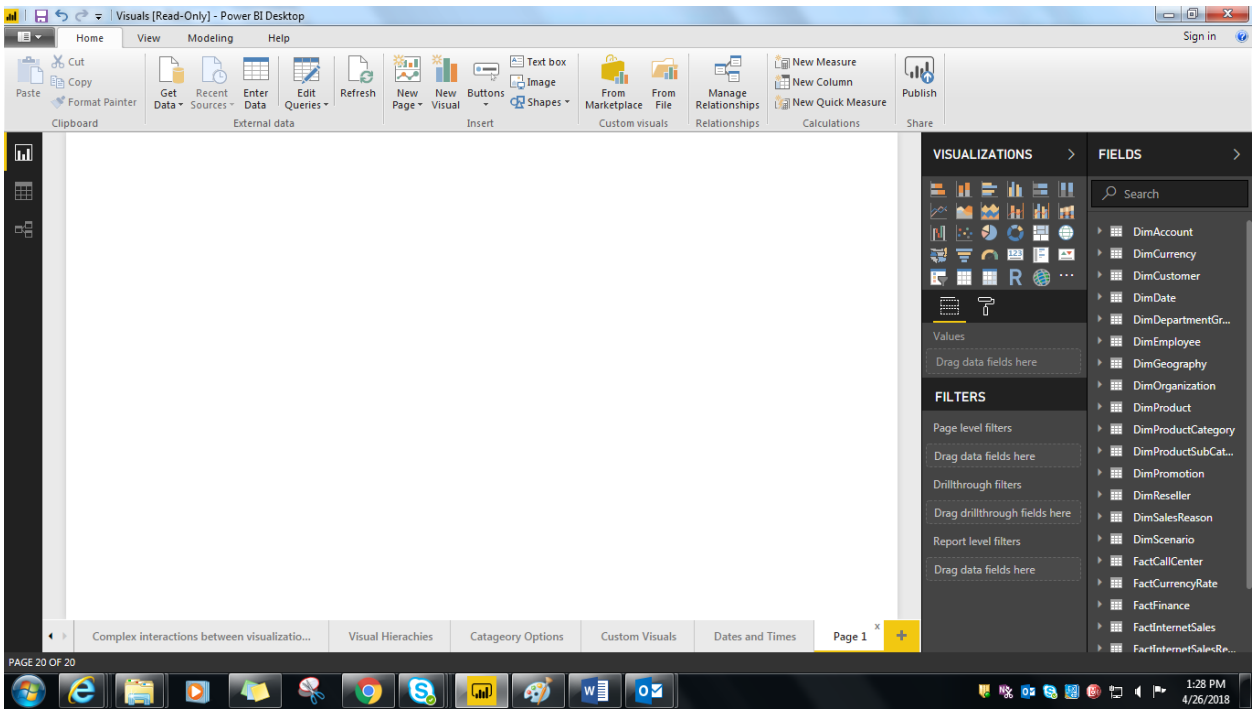




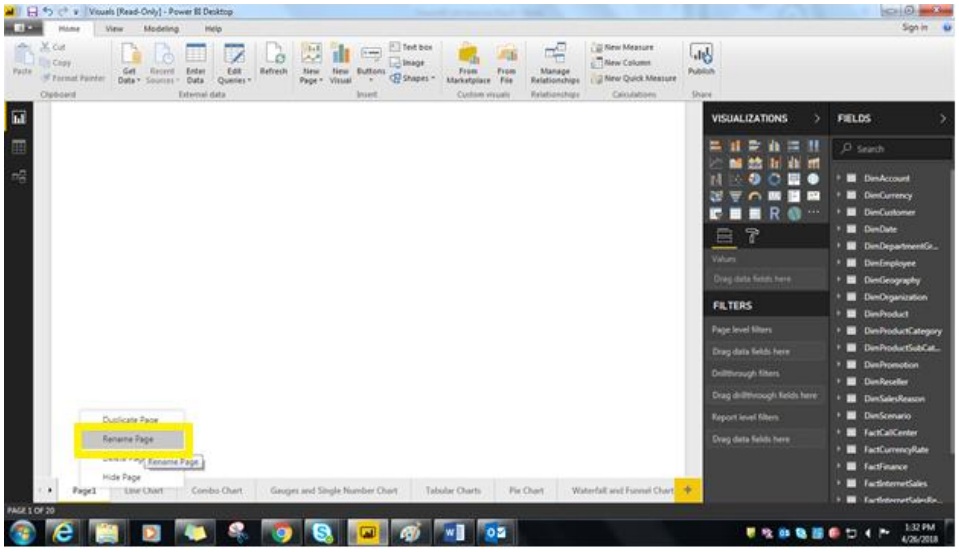
Start working with different available visuals:

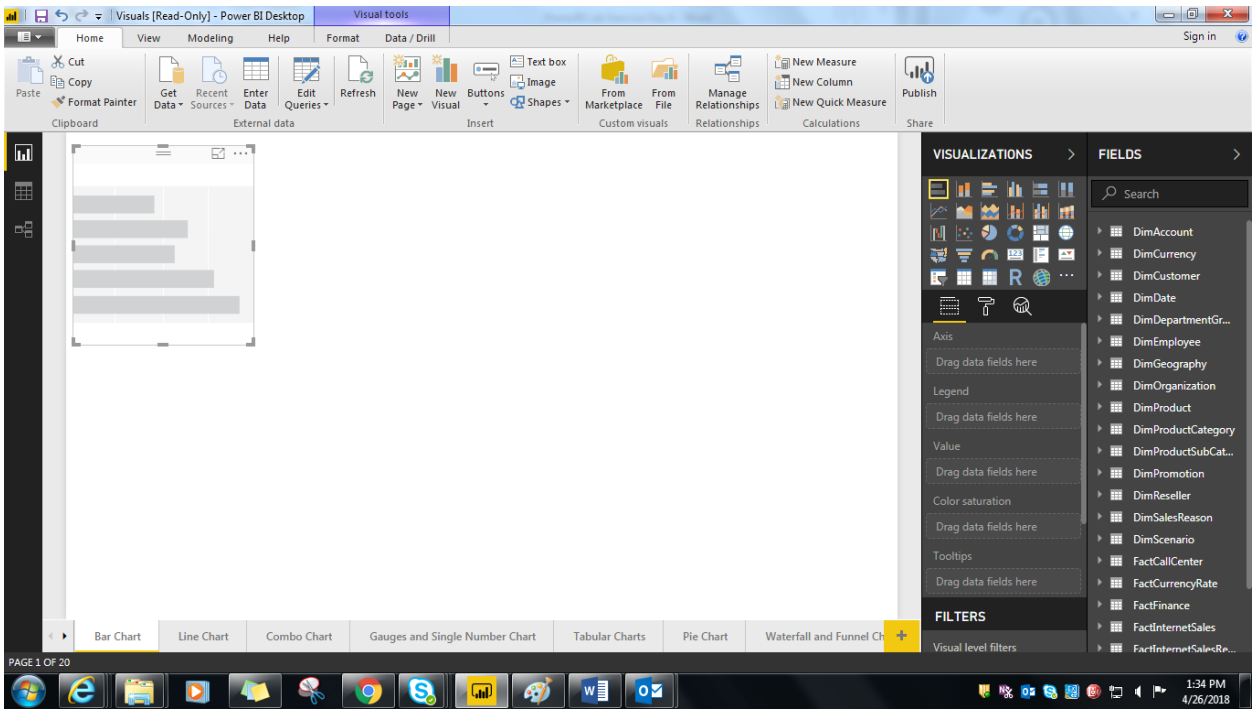
2. Bar Chart

Start with a blank Power BI Desktop file.



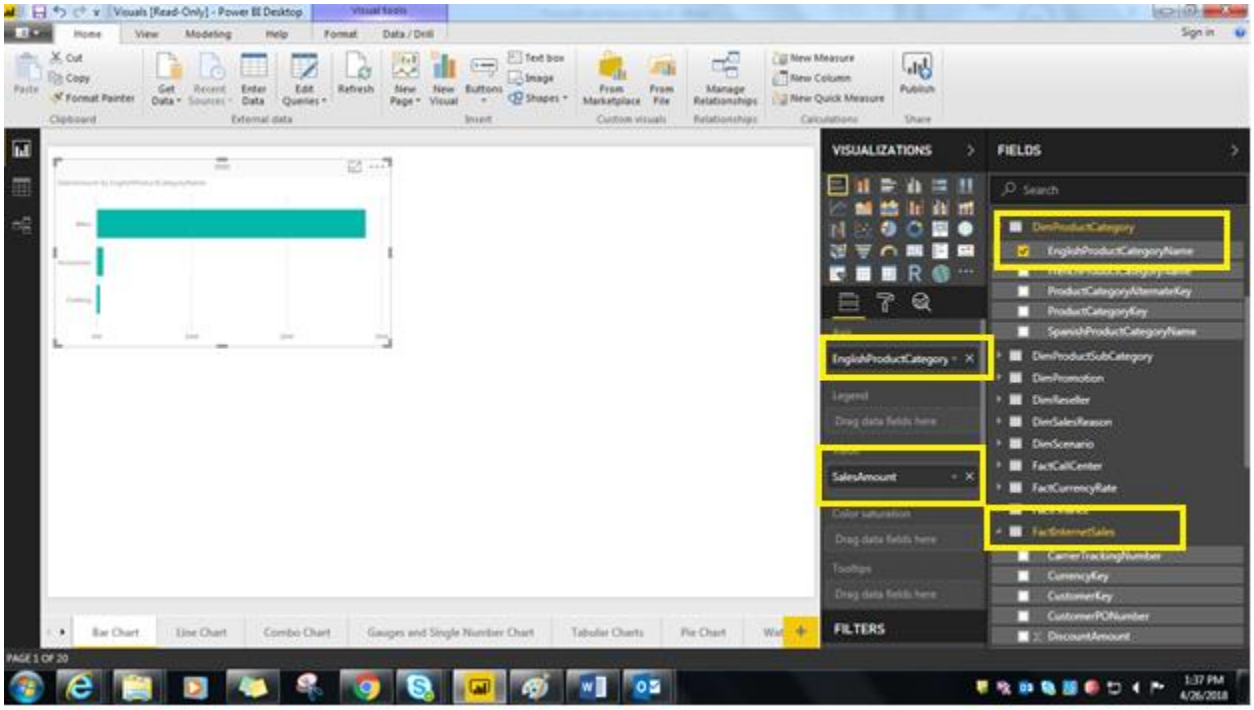
Right click on blank Page and Rename the page with selected visual name like: Bar Chart



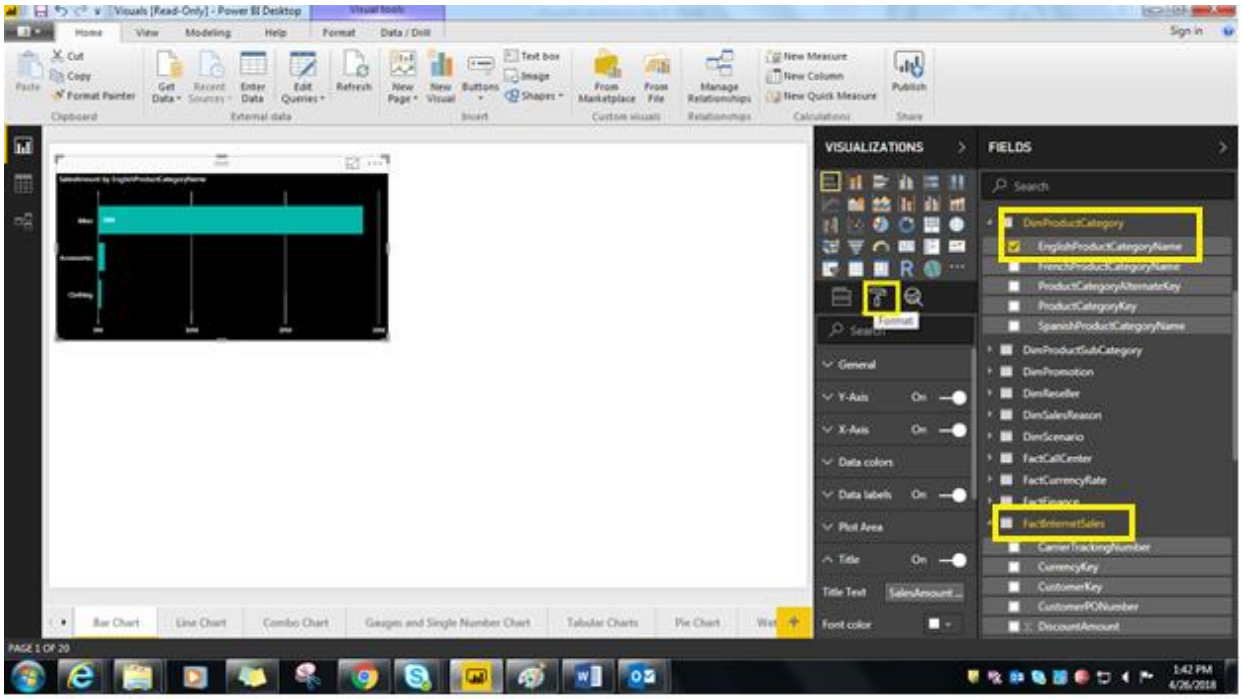


Lab Exercise: Create Bar chart for **“SalesAmount by EnglishProductCategoryName”**

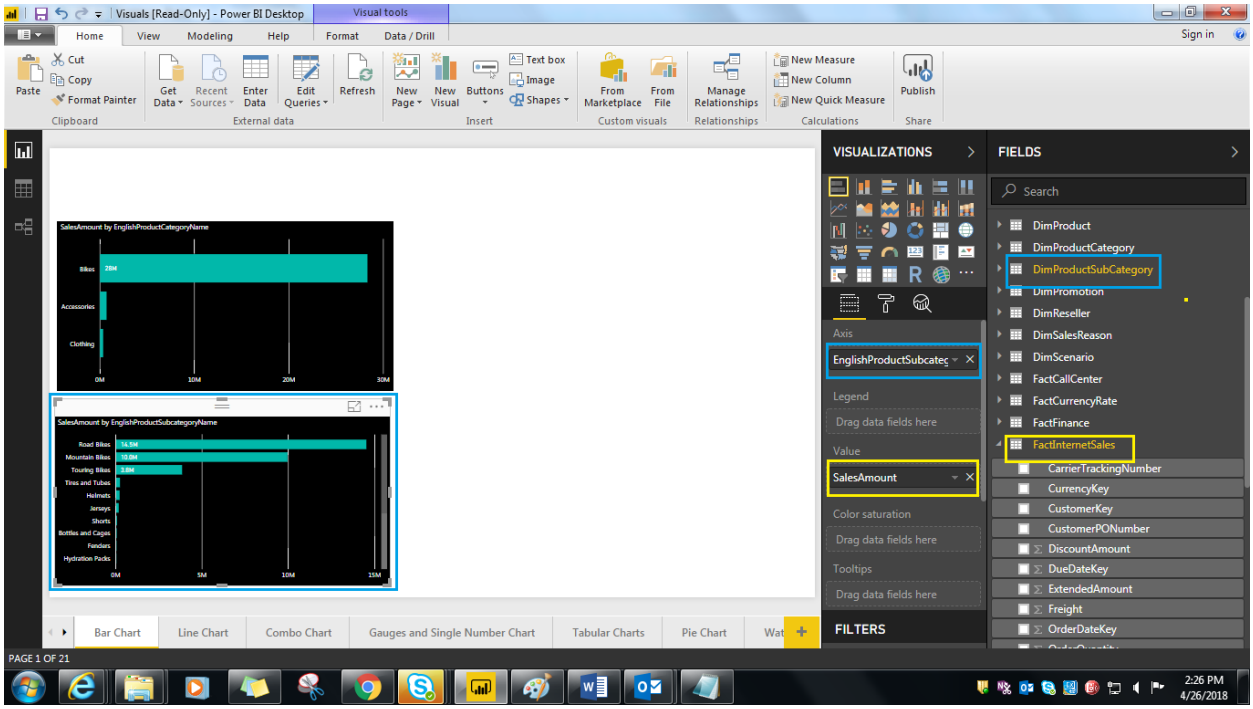
Select relevant Axis column and Value column as below:

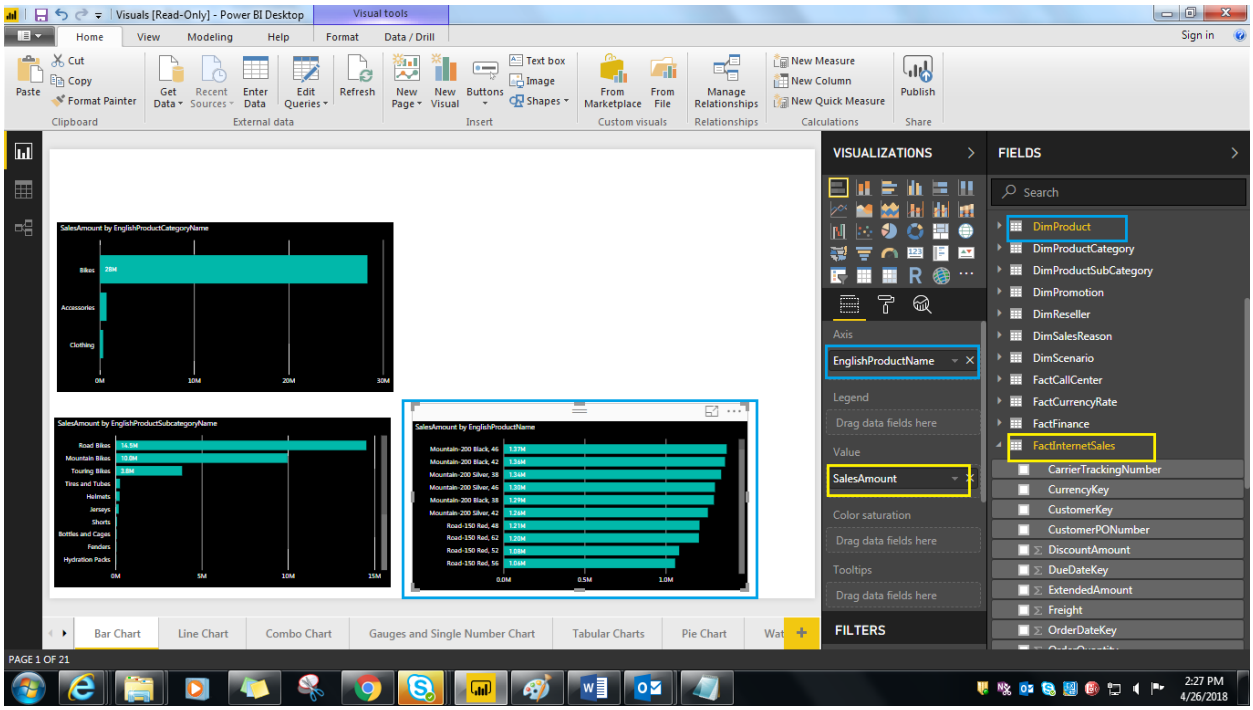


Apply some formatting options on visuals:



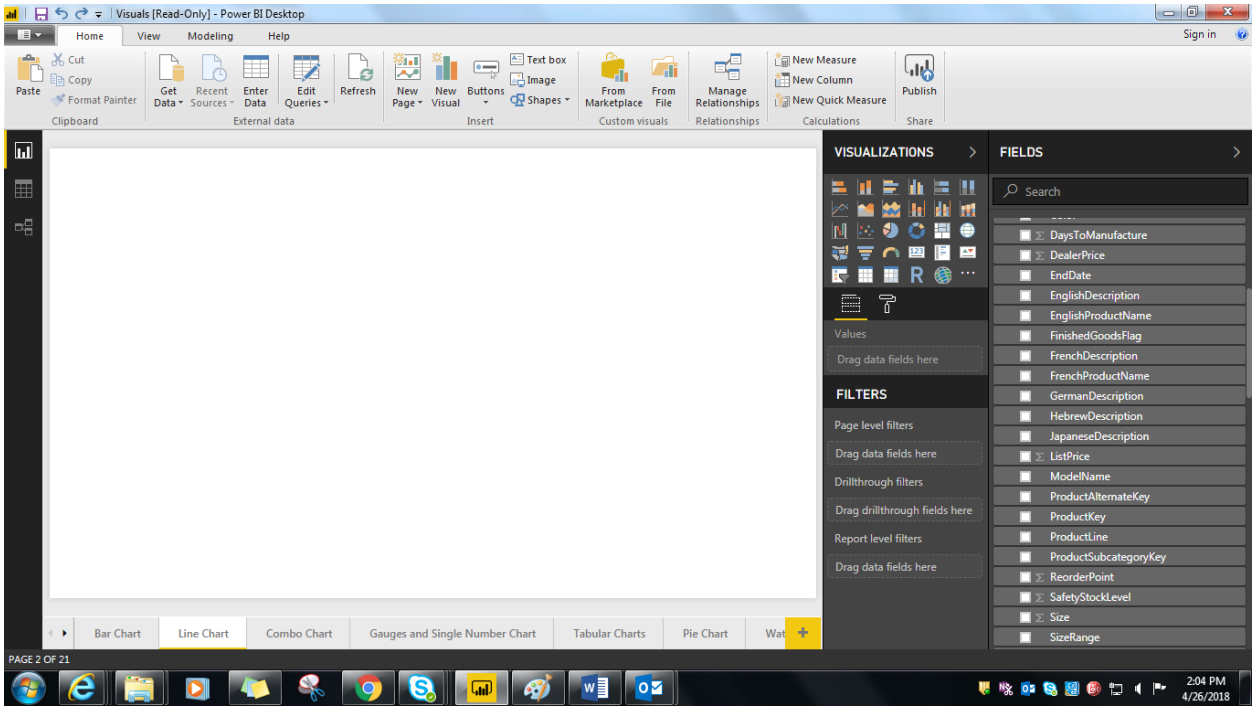
Lab Exercise: Create Bar chart for **“SalesAmount by EnglishProductSubcategoryName”** and **“SalesAmount by EnglishProductName”.**





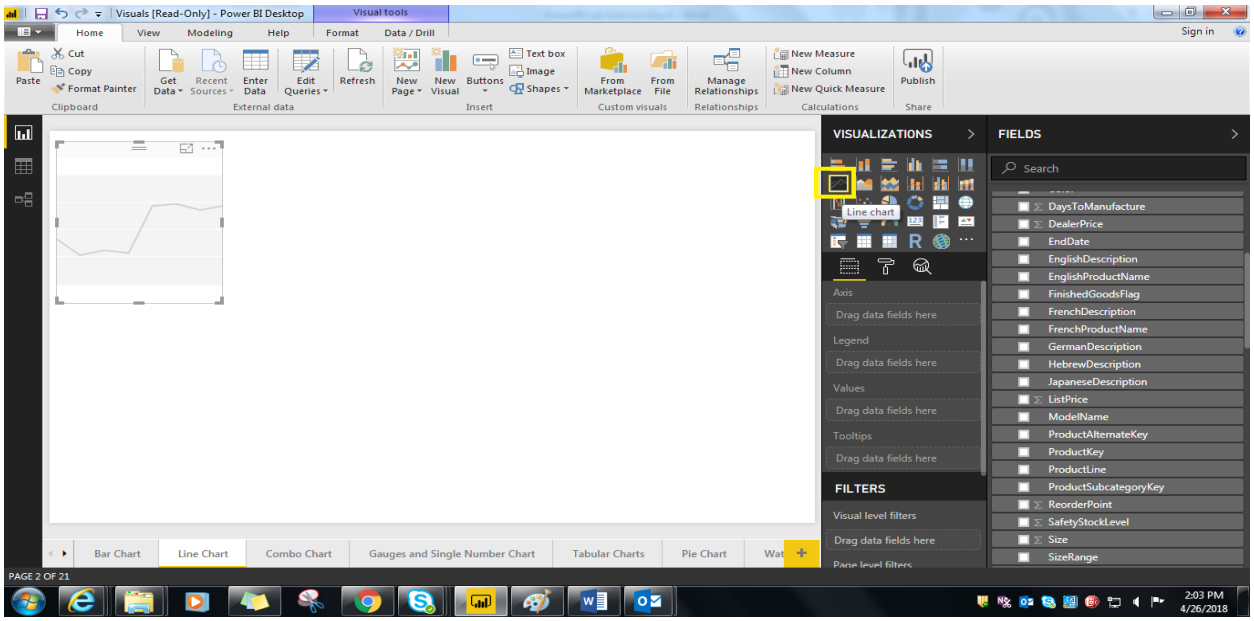
3. Line Chart

Start with a blank Power BI Desktop file.

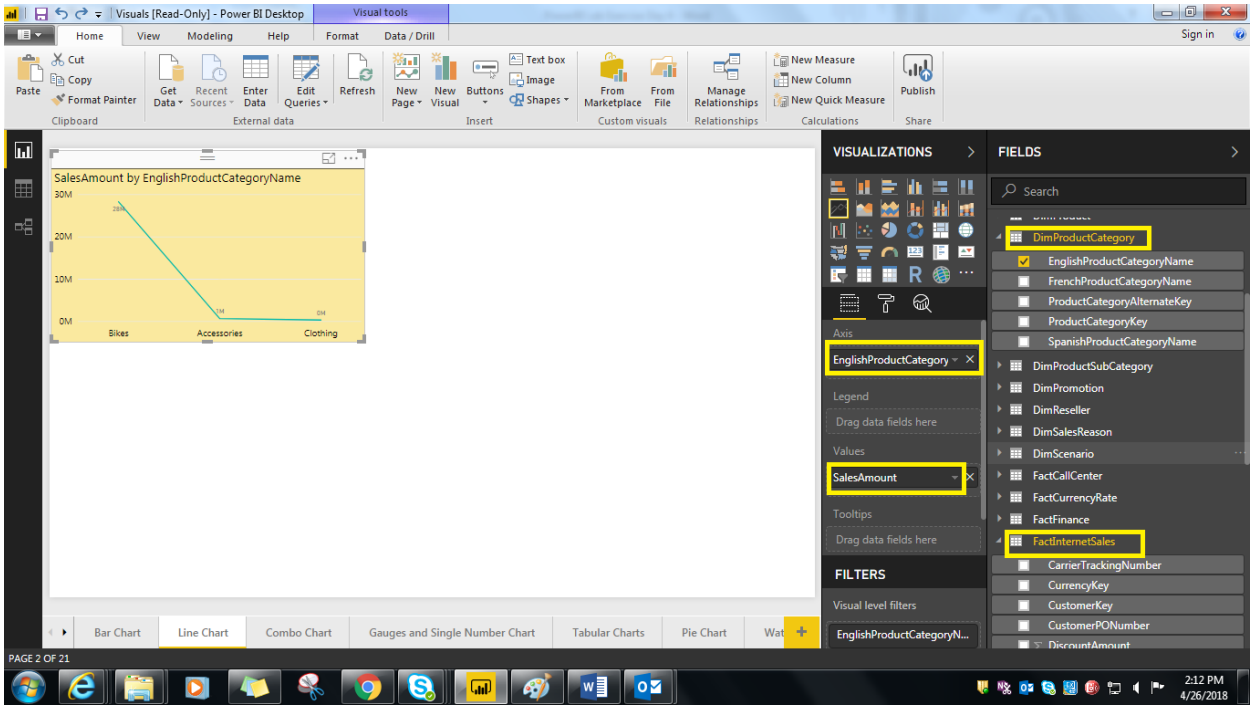


Lab Exercise: Create Line chart for **"SalesAmount by EnglishProductcategoryName"**

Select Line chart from Visualizations:

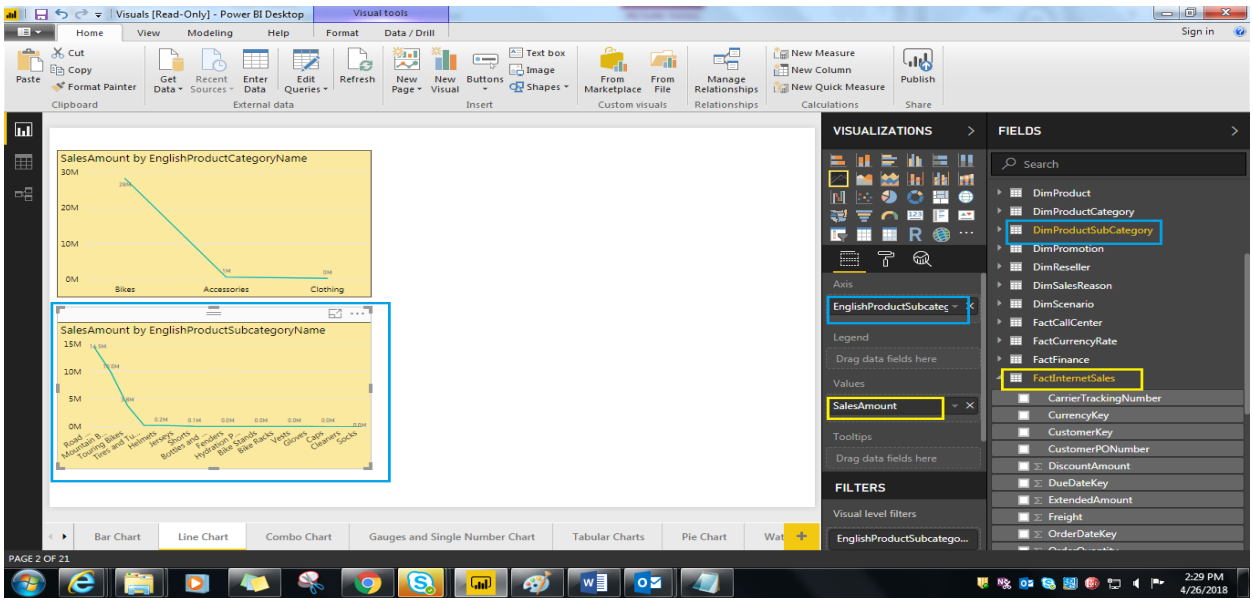


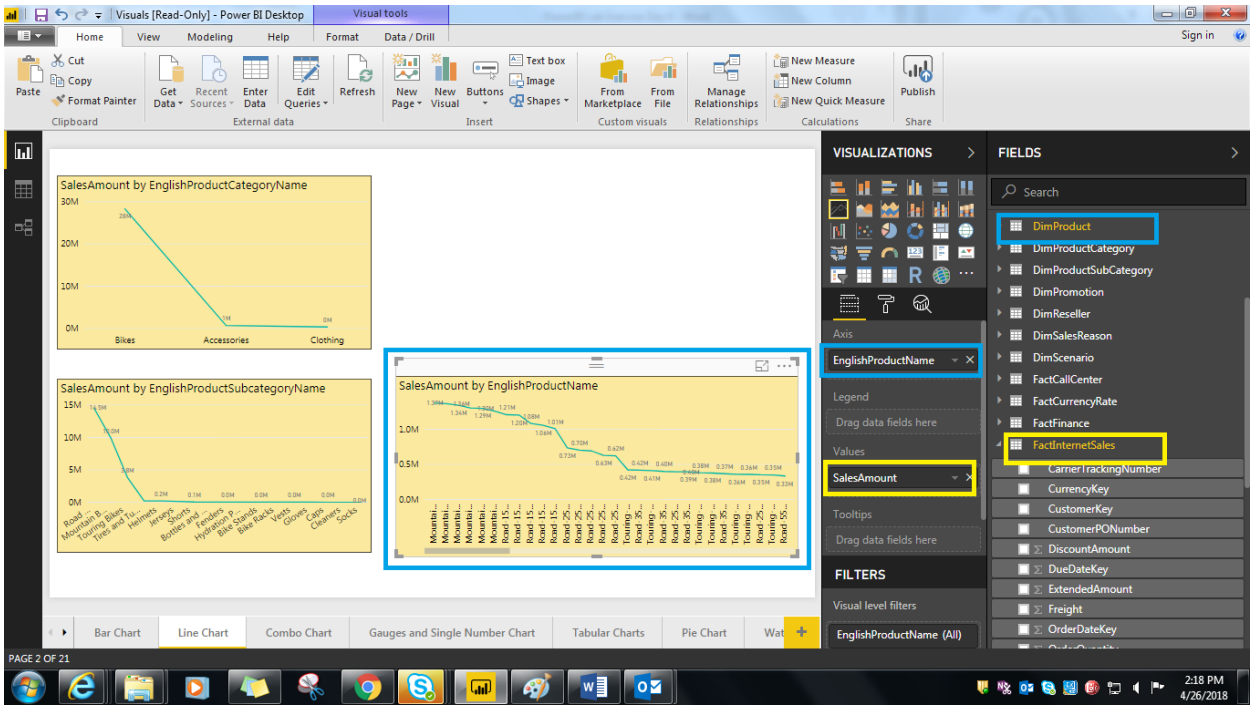
Select Axis and Value fields from respective tables as below and apply some formatting:



Lab Exercise: Create Line chart for **"SalesAmount by EnglishProductSubcategoryName"** and **"SalesAmount by EnglishProductName".**

Select Axis and Value fields from respective tables as below and apply some formatting:



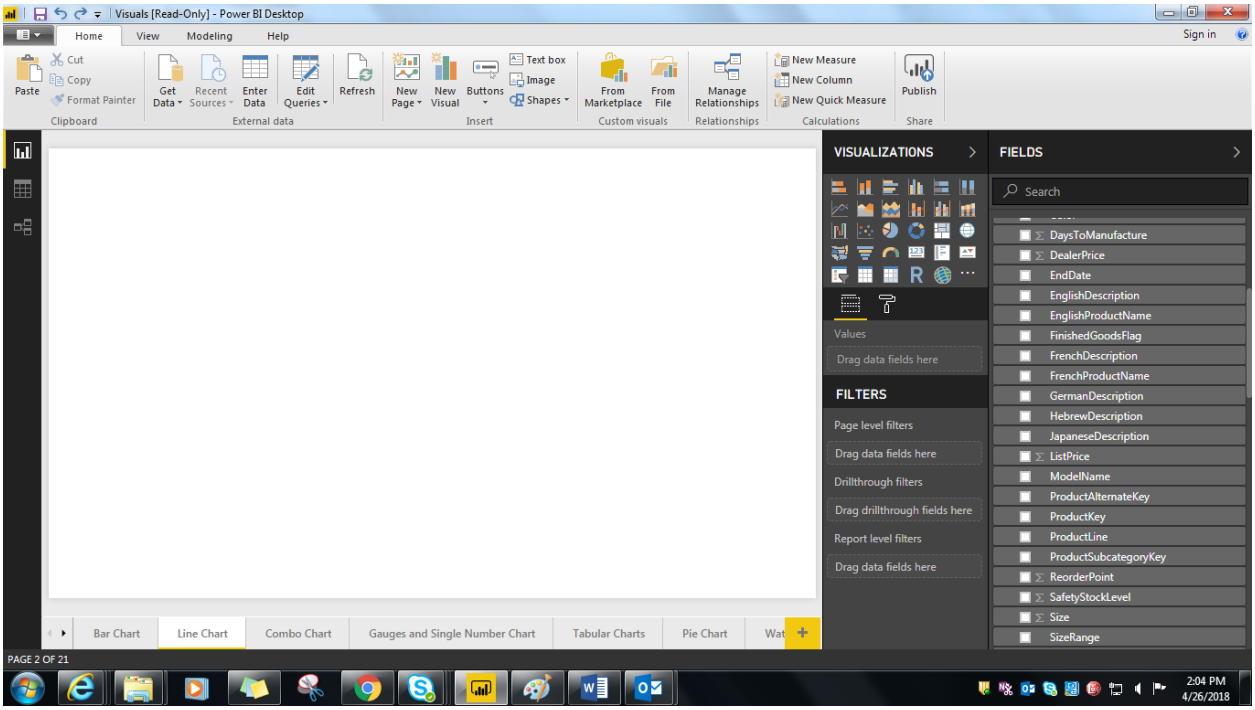


4. Combo Chart

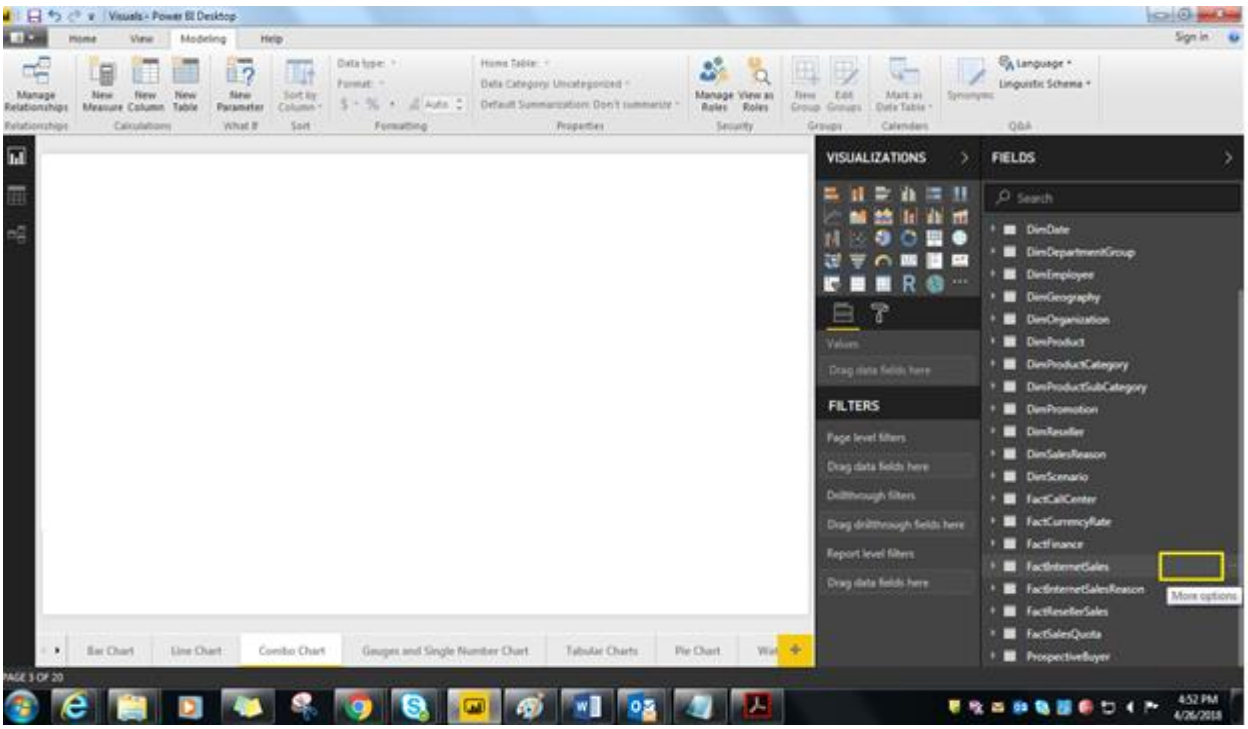
In Power BI, a combo chart is a single visualization that combines a line chart and a column chart. Combining the 2 charts into one lets you make a quicker comparison of the data.

Lab Exercise: Create a Combo chart for showing **"SalesAmount, TotalProductCost and GrossProfit% by CalendarYear".**

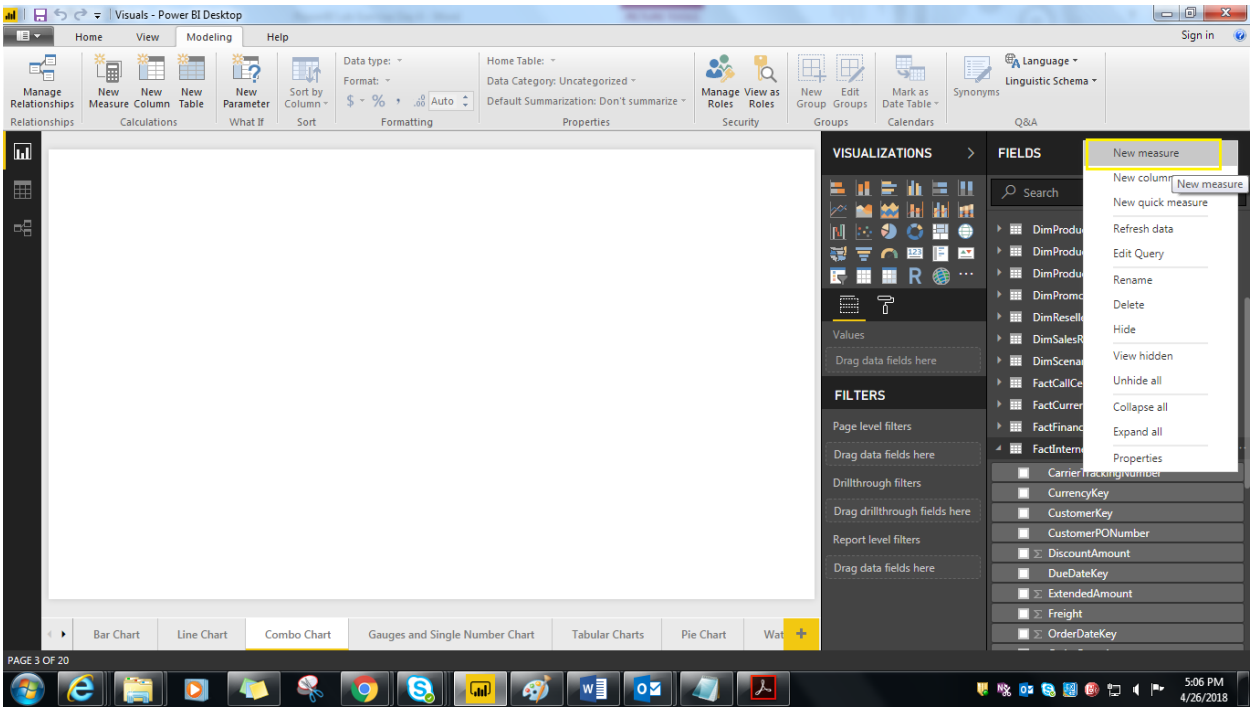
Start with a blank Power BI Desktop file.



Create a measure.

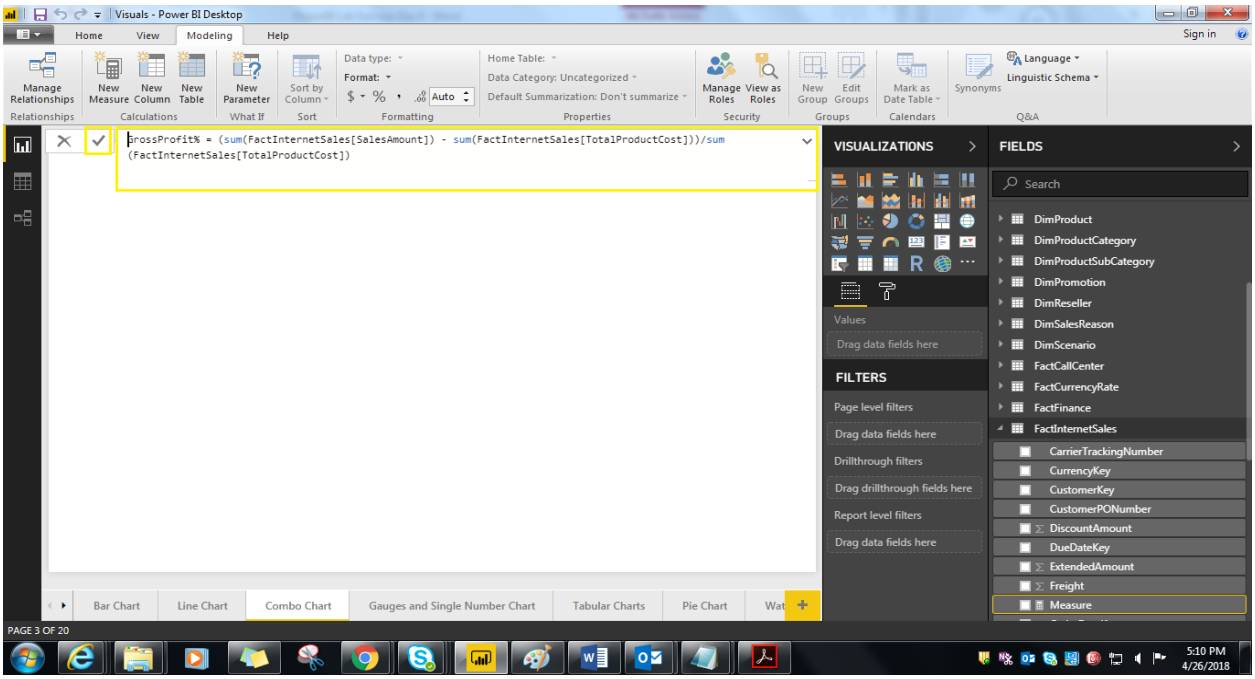


Click on “New Measure”:

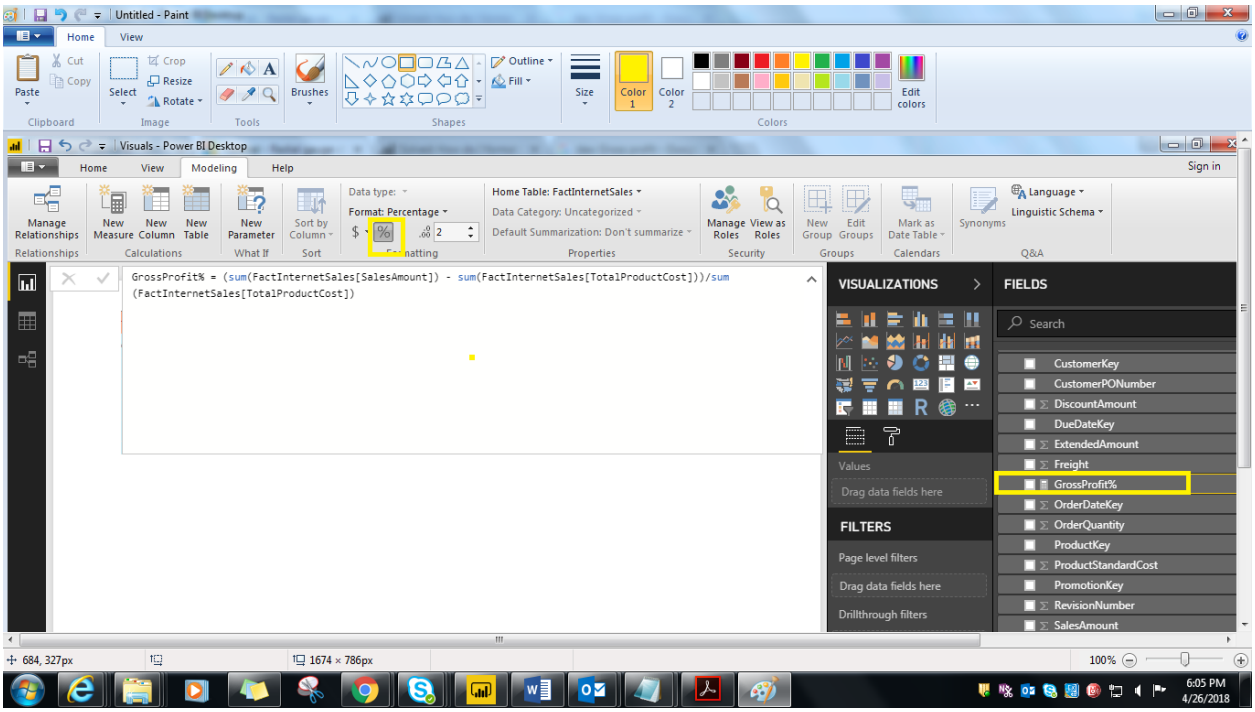


Copy the below formulae and paste in formula bar and click on check option:

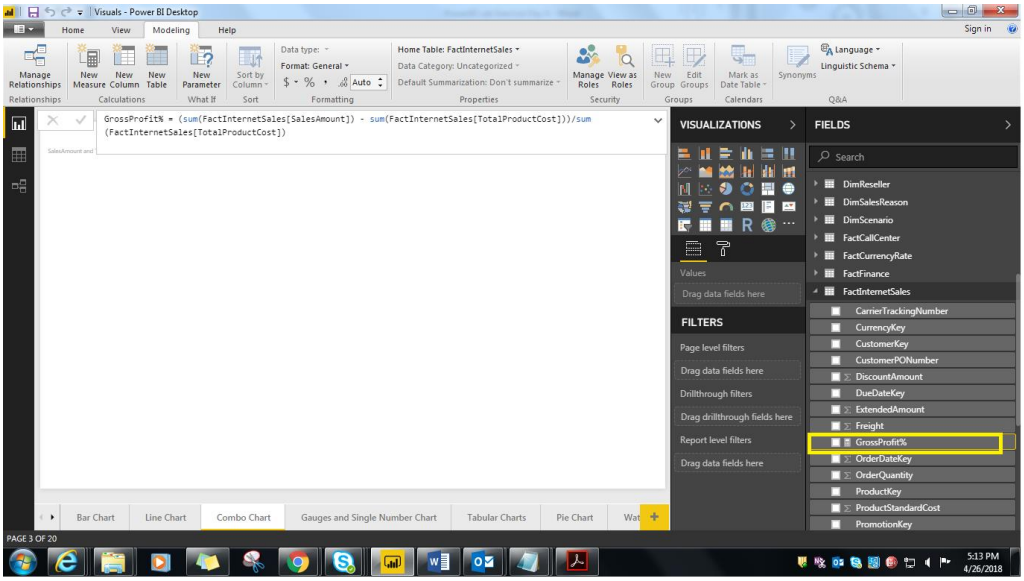
GrossProfit% = (sum(FactInternetSales[SalesAmount]) - sum(FactInternetSales[TotalProductCost]))/sum(FactInternetSales[TotalProductCost])



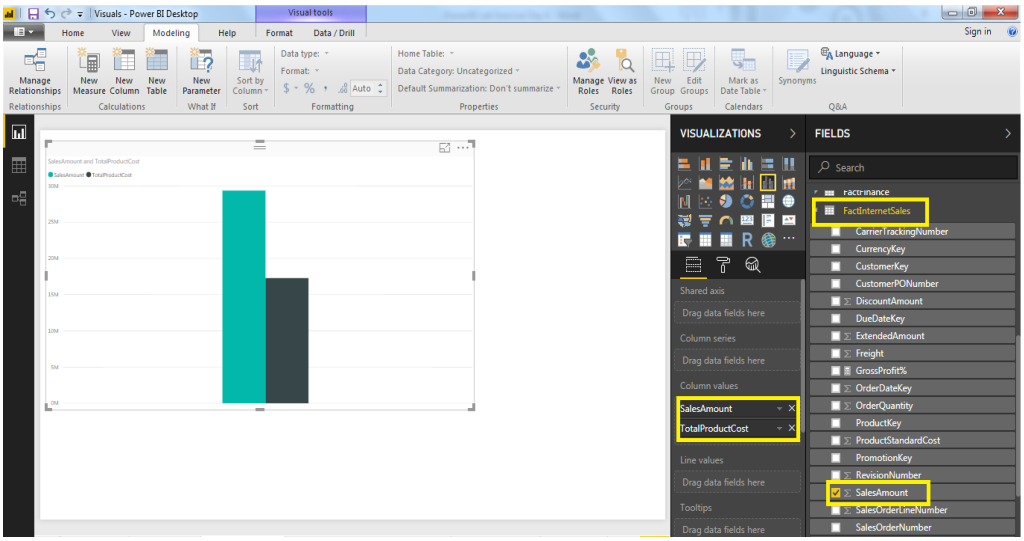
Apply percentage format to measure:



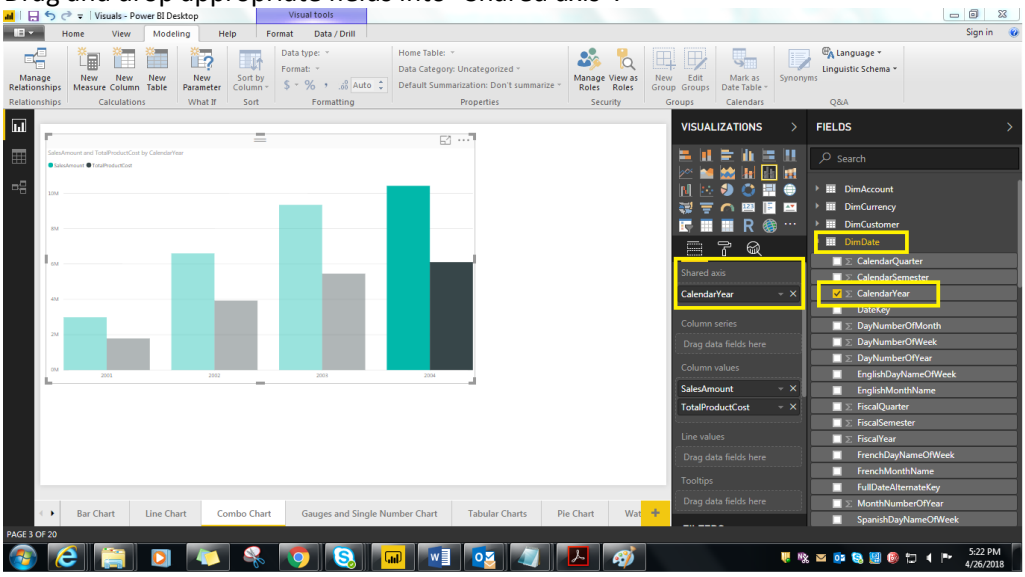
Measure is created:



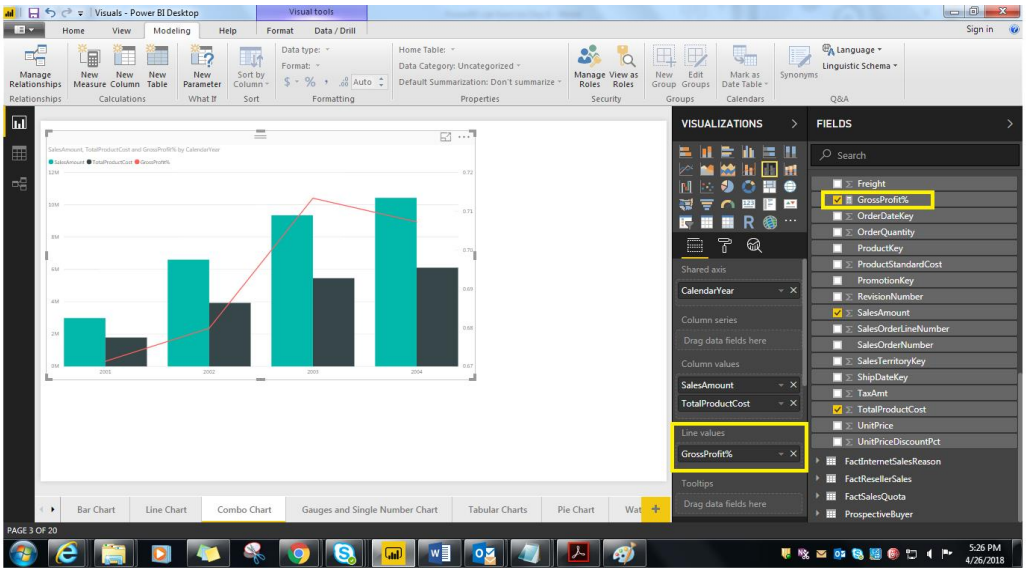
Drag and drop appropriate fields into “Column values”:

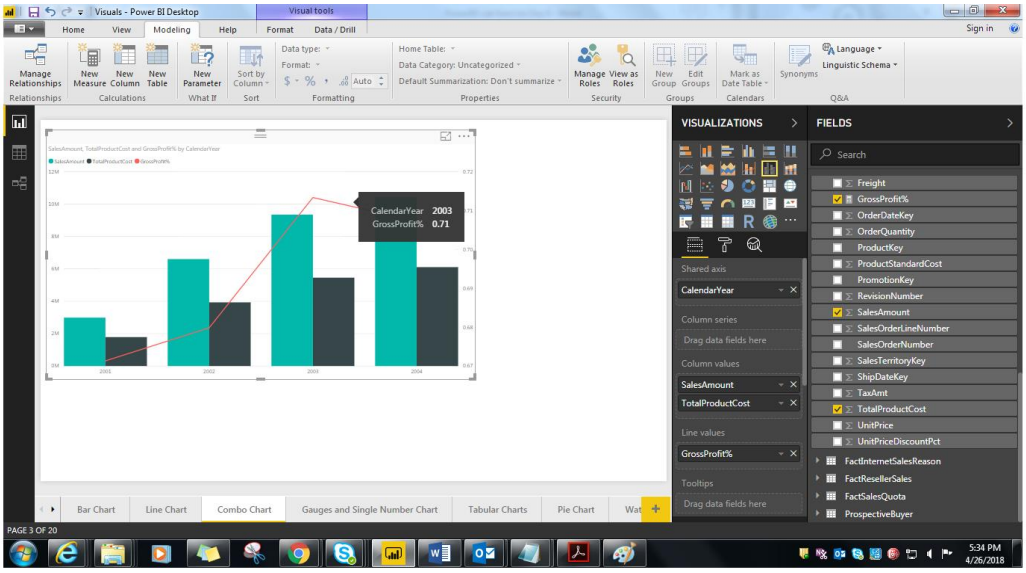


Drag and drop appropriate fields into “Shared axis”:

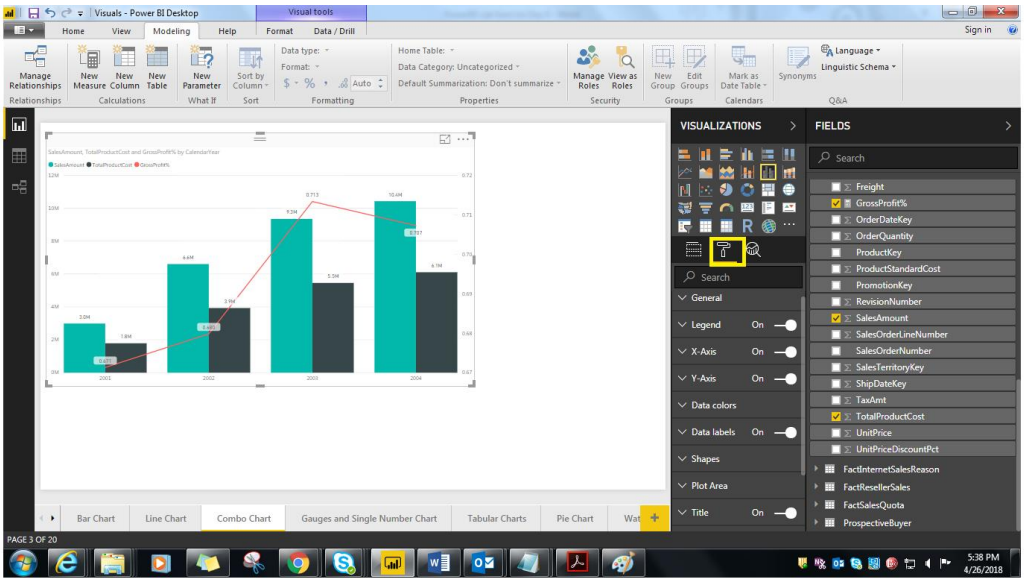


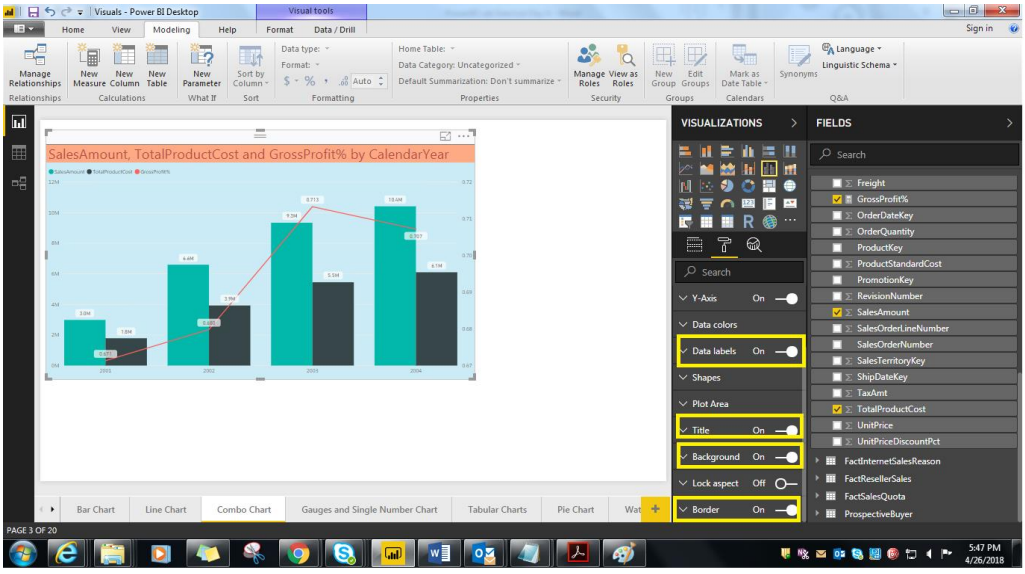
Drag and drop “Grossprofit%” measure into “Line Values”:



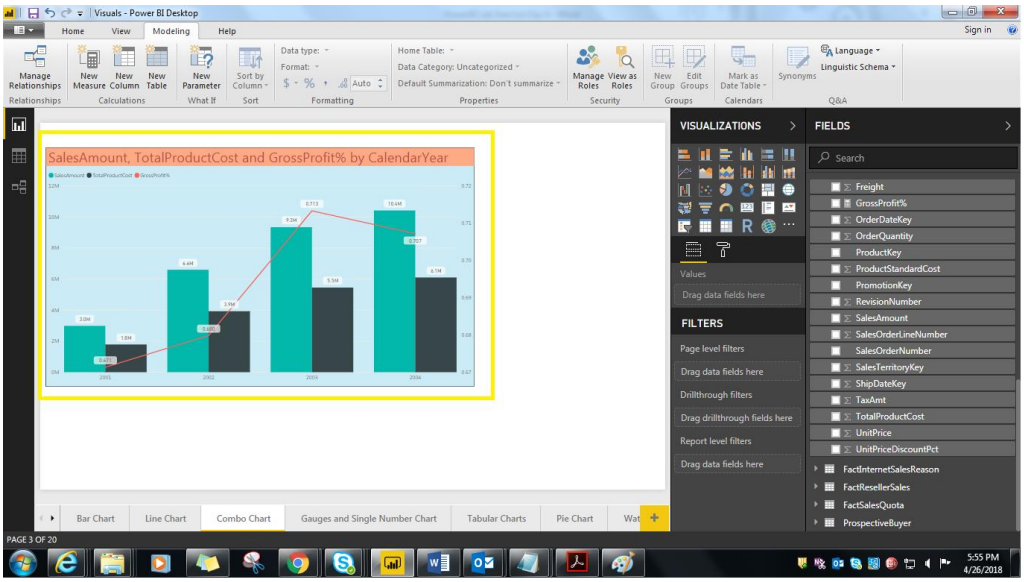


Apply some formatting like Data label, Background etc...





Finally we can see the below Combo chart:

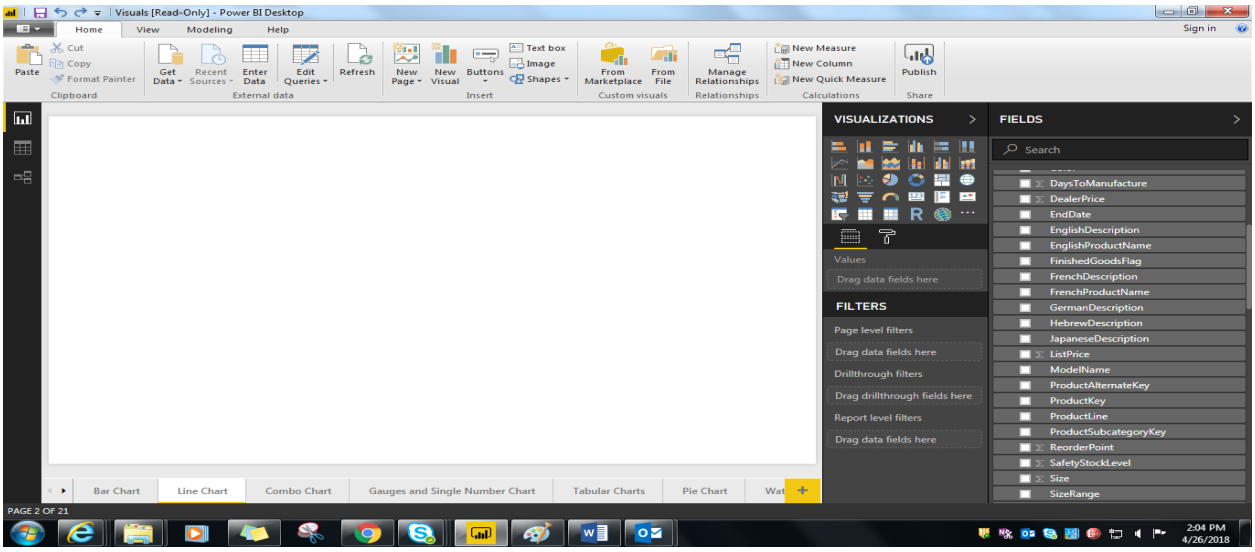


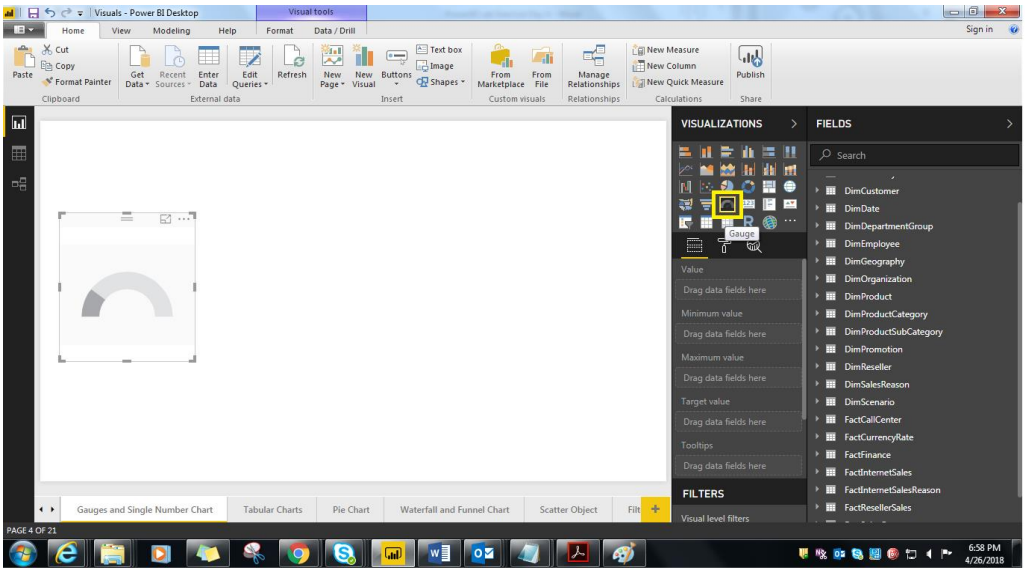
5. Gauges and Single Number Chart

A radial gauge chart has a circular arc and displays a single value that measures progress toward a goal/KPI.

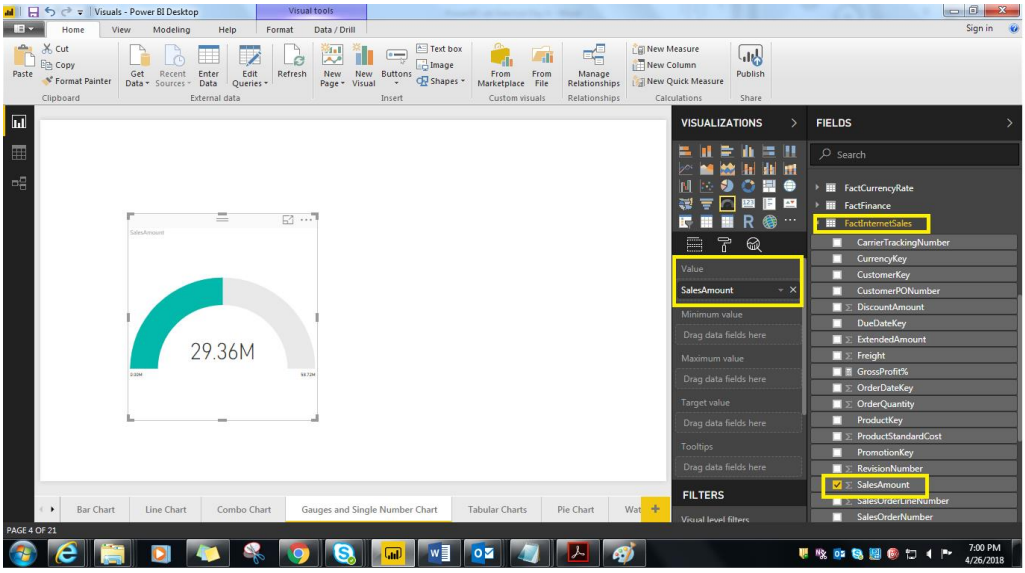
Lab Exercise: **Create Gauge chart for "SalesAmount".**

Start with a blank Power BI Desktop page:

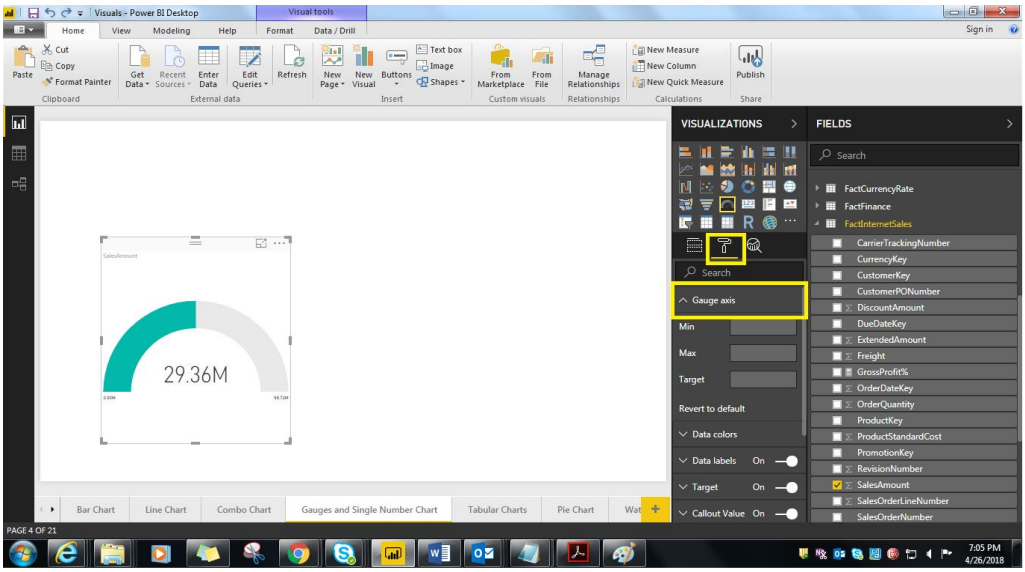




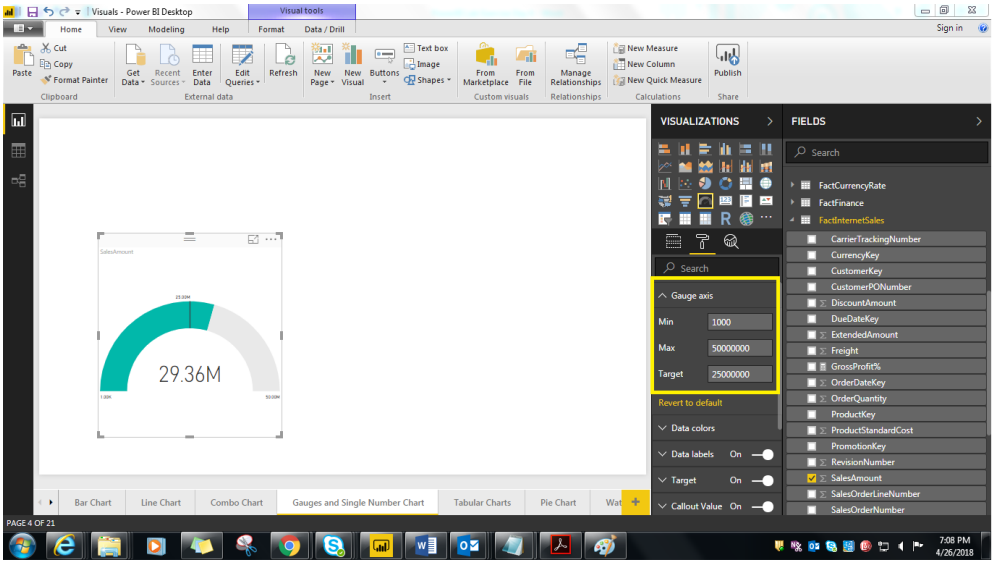
Drag and drop “SalesAmount” into “Value“:



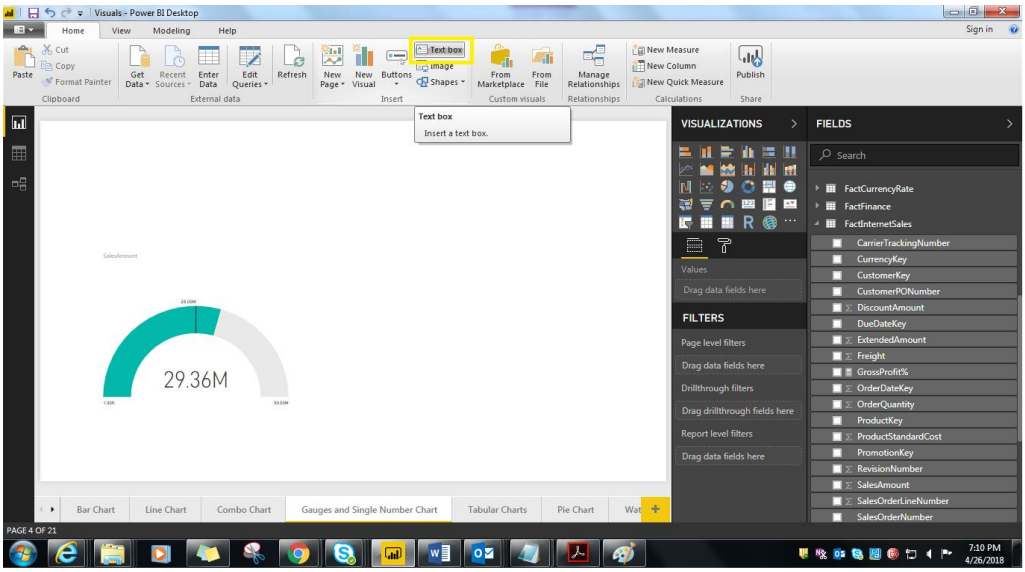
Go to “Gauge axis”:



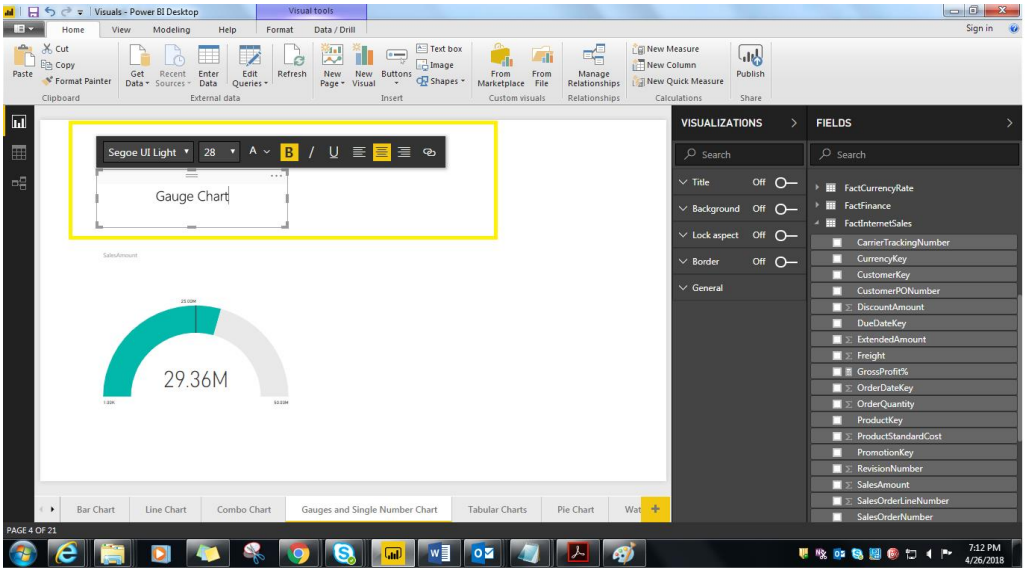
Define Min, Max & Target values:



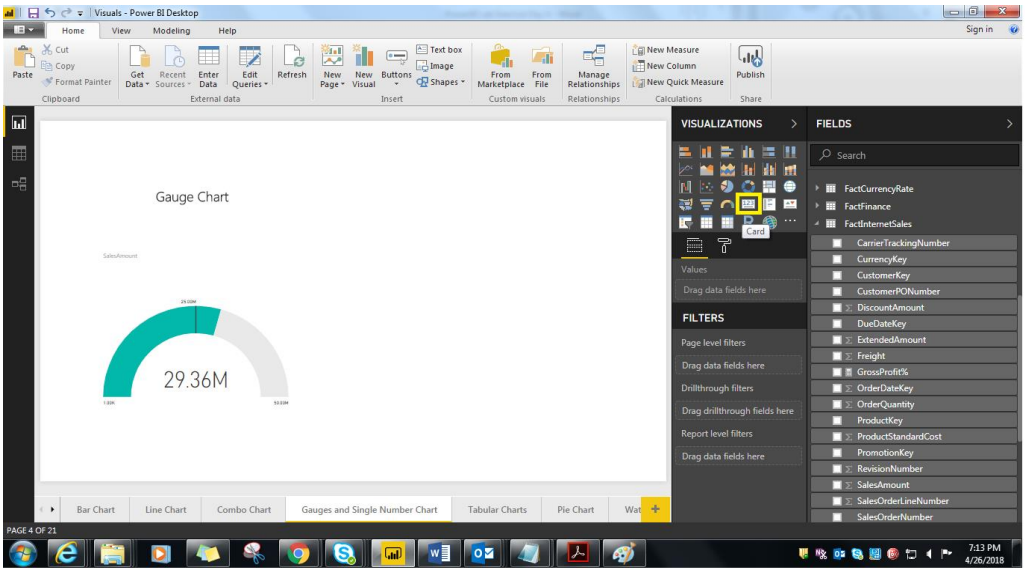
Take a Text box:

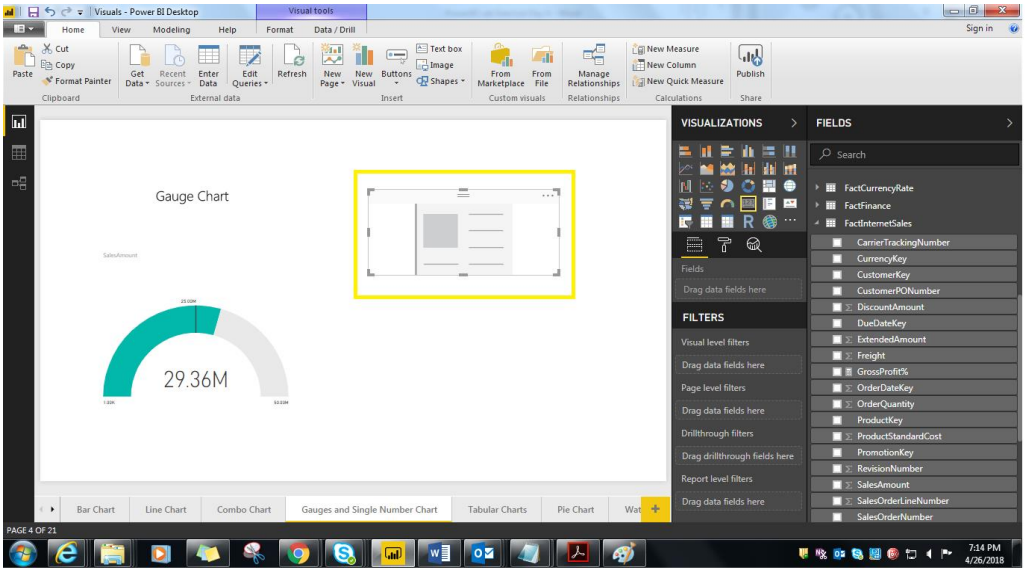


Give the report name in the Text box:

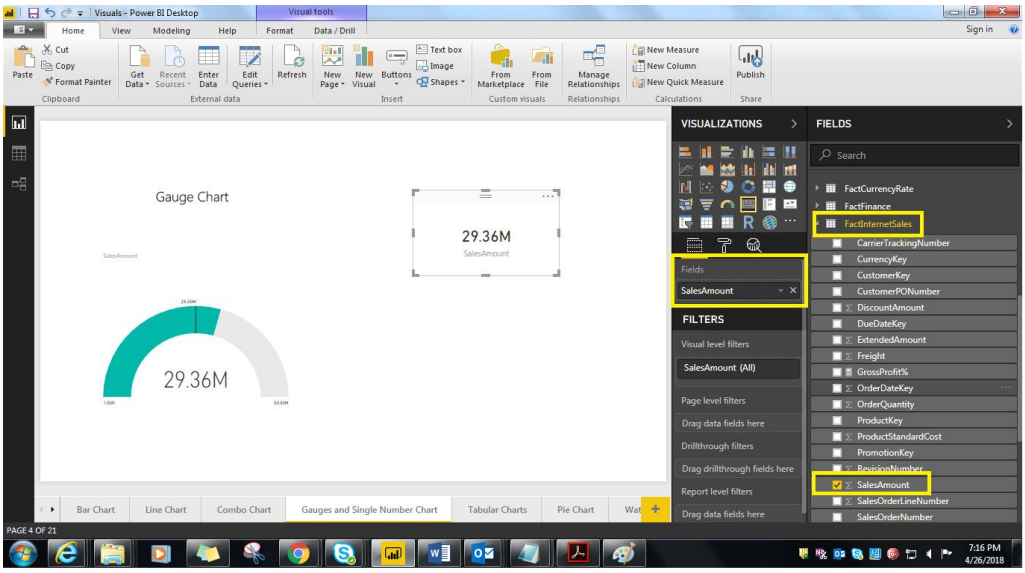


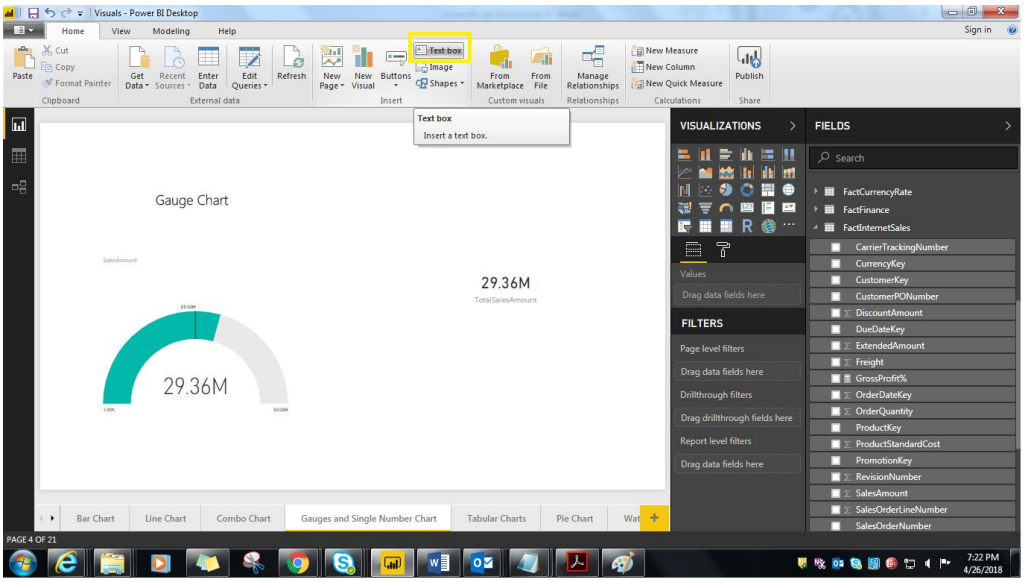
Take Card chart from the Visualizations:



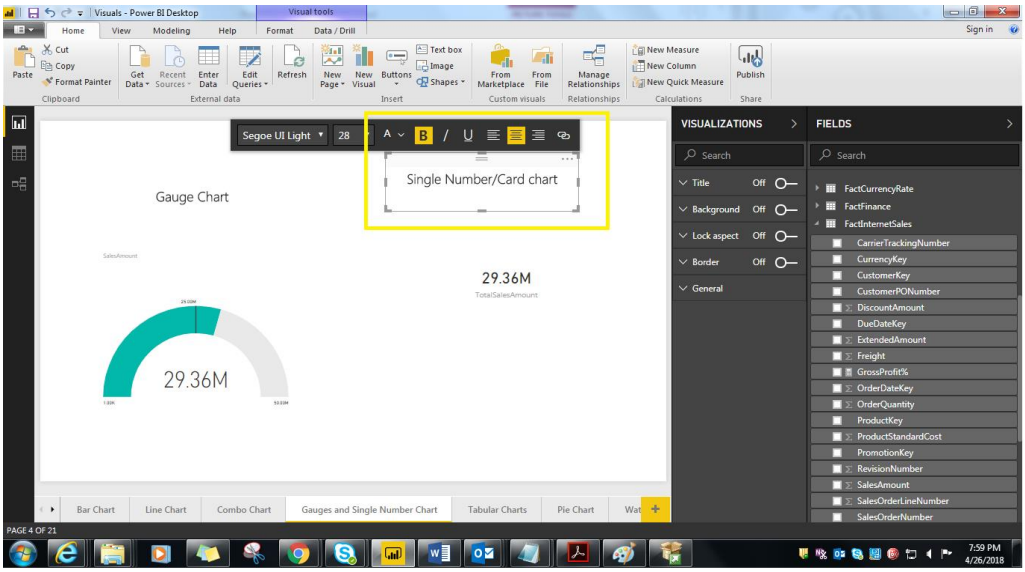


Drag and drop “SalesAmount” field:

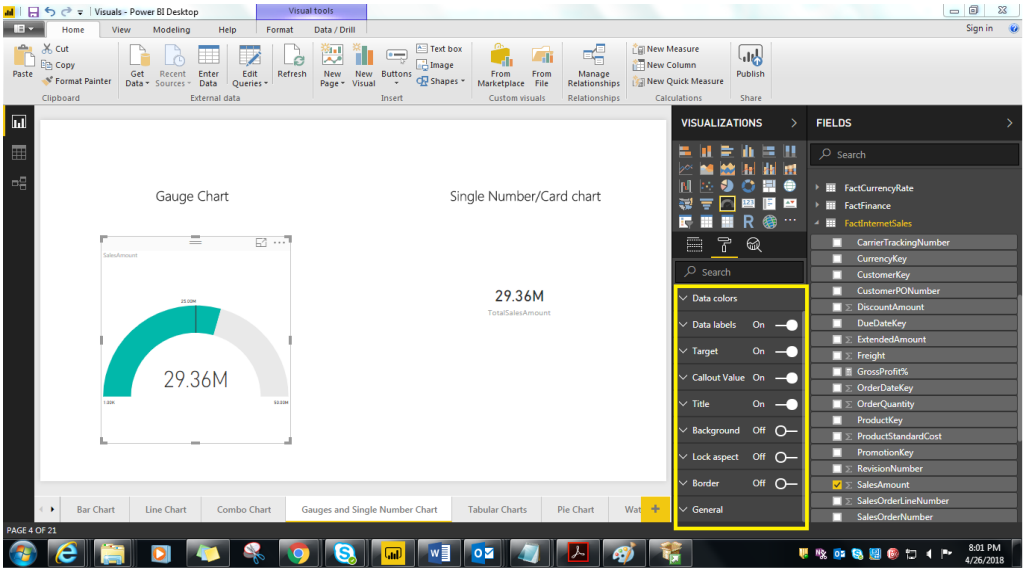


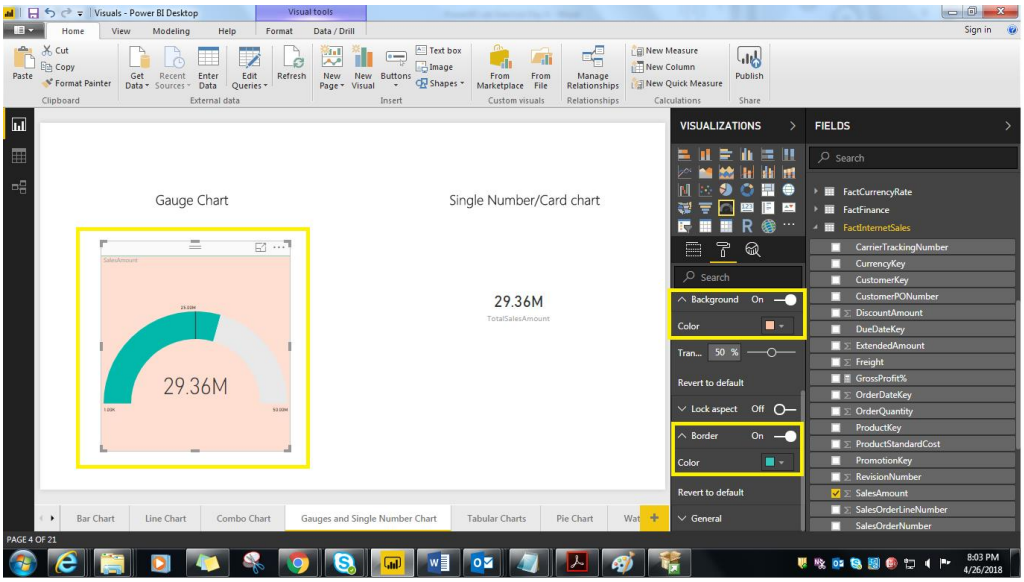


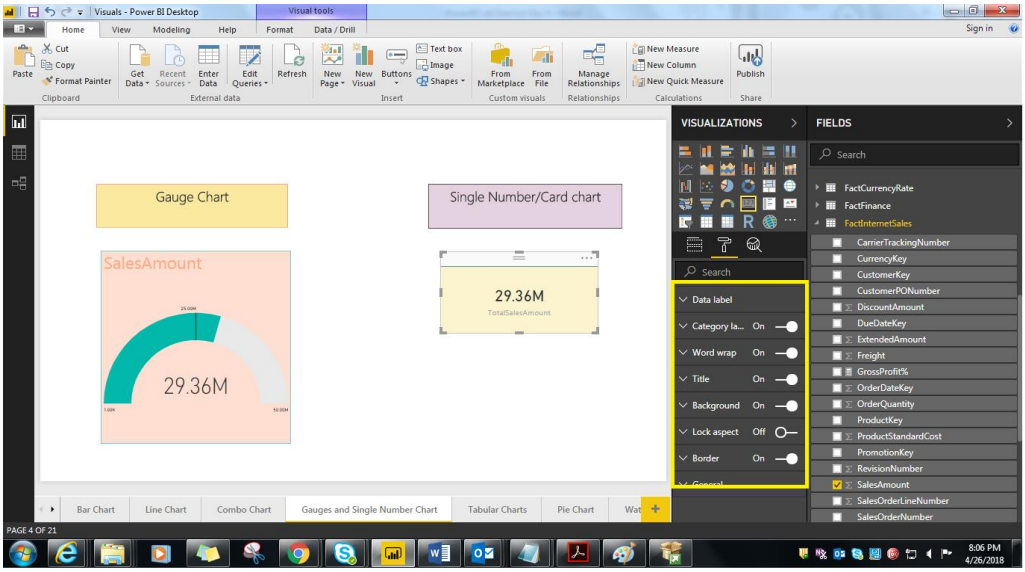
Give the report name in the Text box:



Apply some formatting:



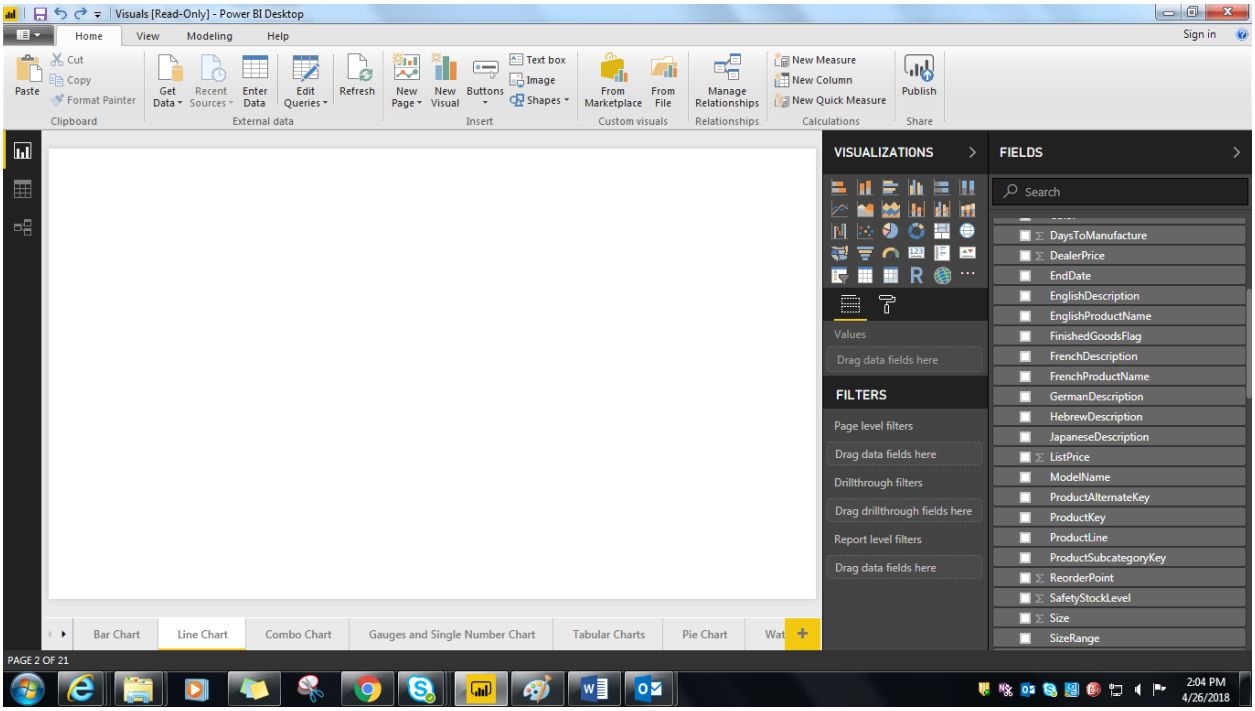




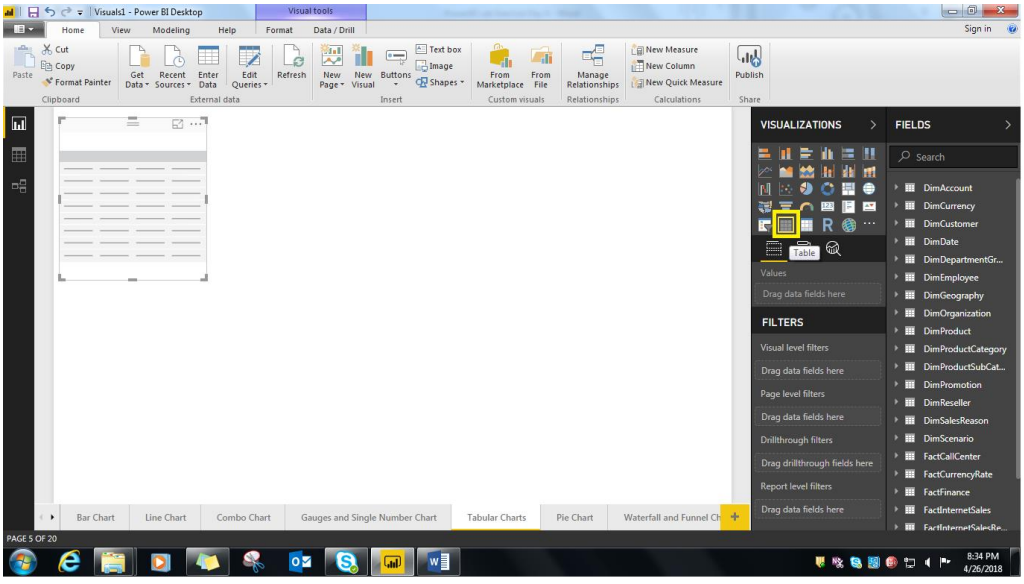
6. Tabular Charts:

Lab Exercise: **Create Tabular report for "dealer Price by ProductCategoryName, ProductSubCategoryName, ProductName, Class, Style and Modelname".**

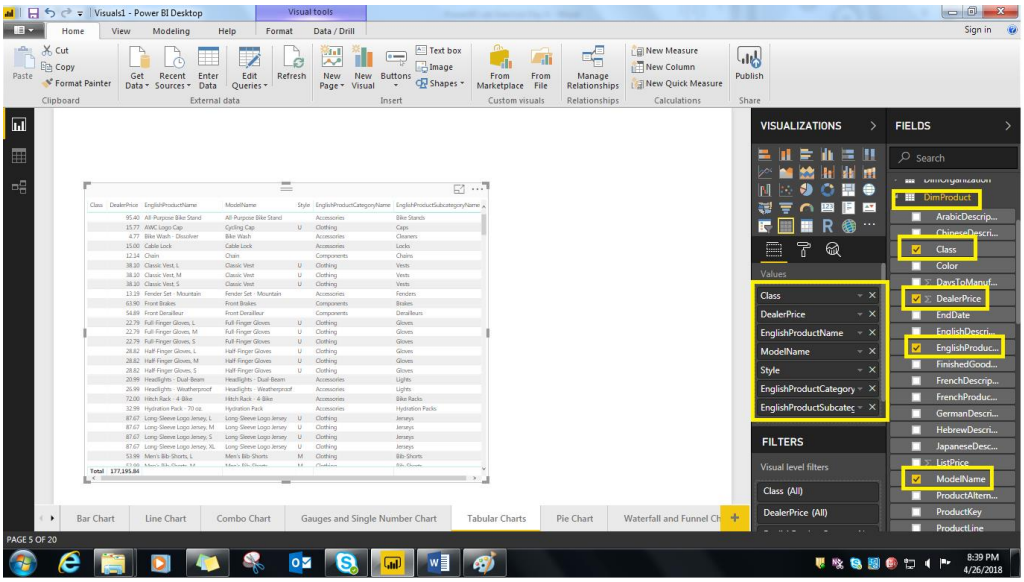
Start with a blank Power BI Desktop page:



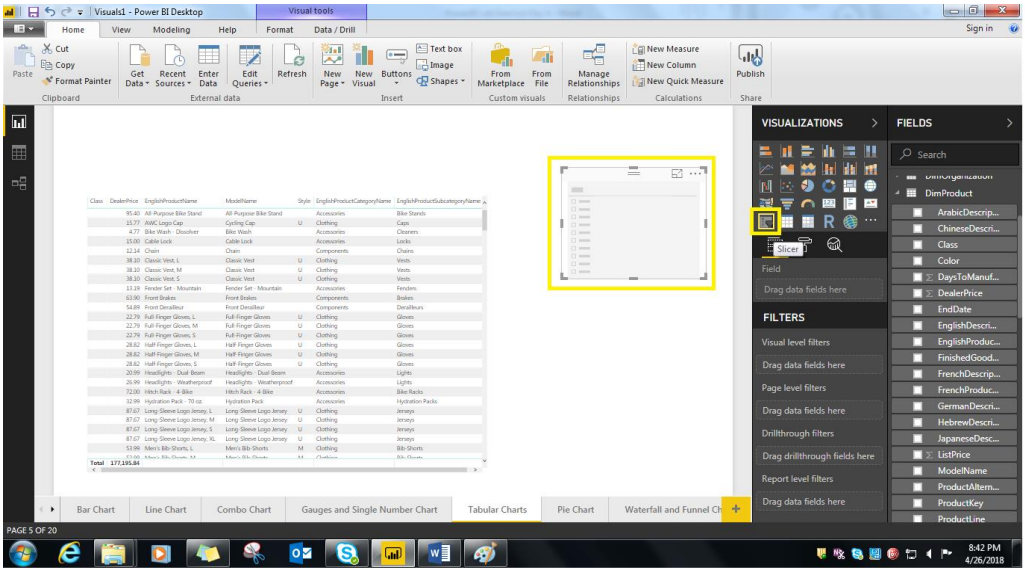
Go to “Table” in Visualizations:



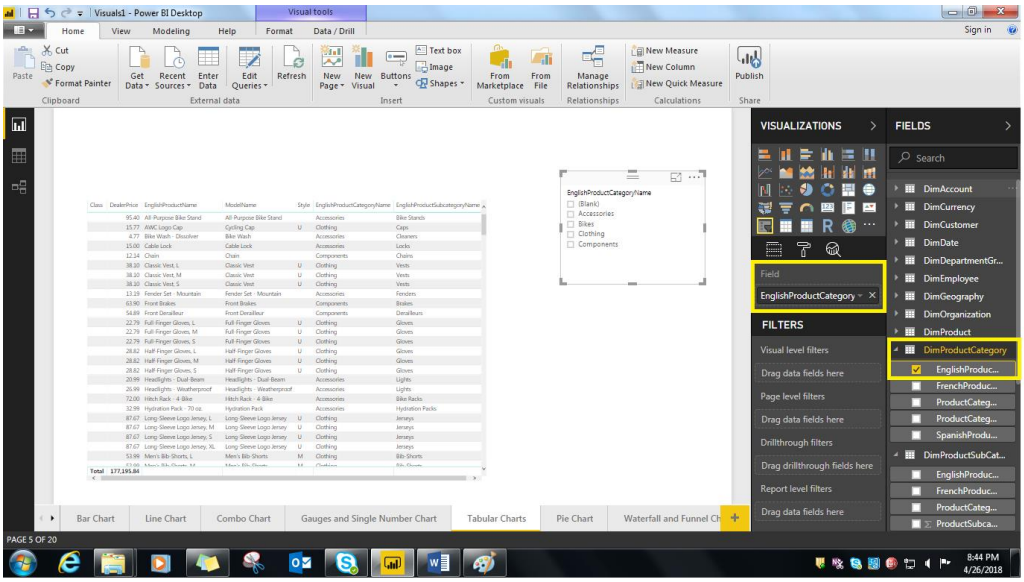
Drag and drop appropriate “fields” into “Values”:



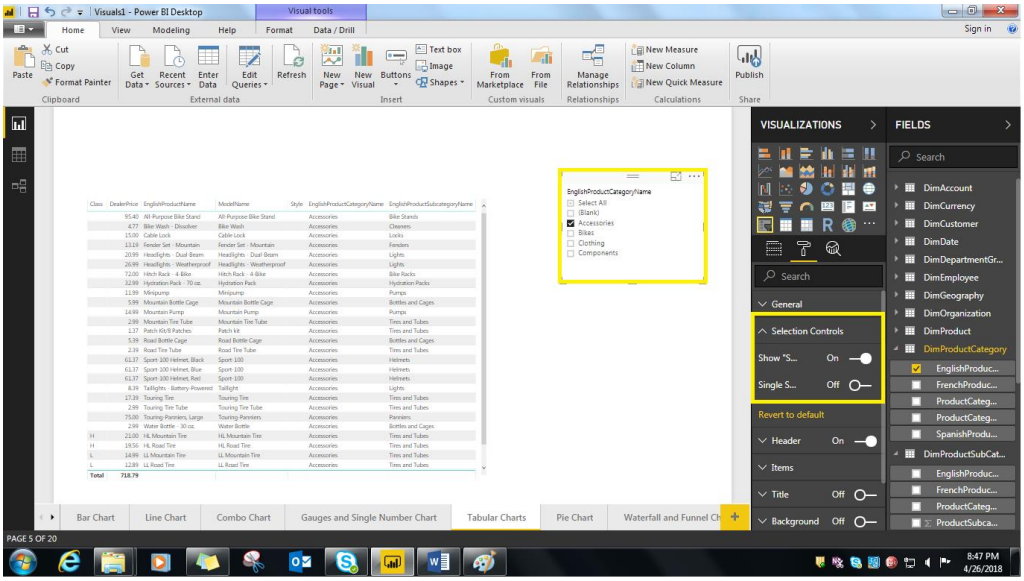
Select “Slicer” from the Visualizations:



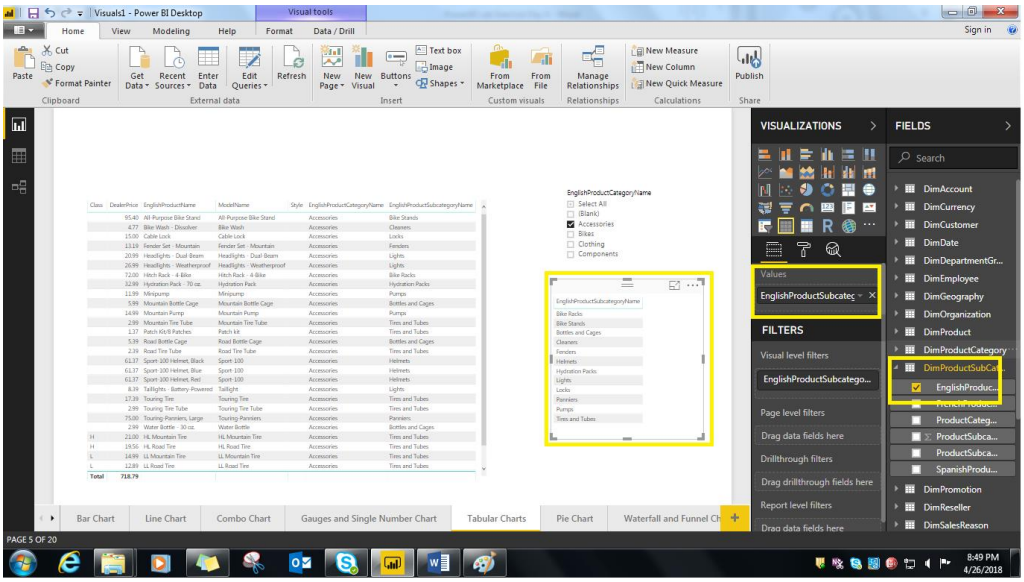
Drag and drop appropriate field:



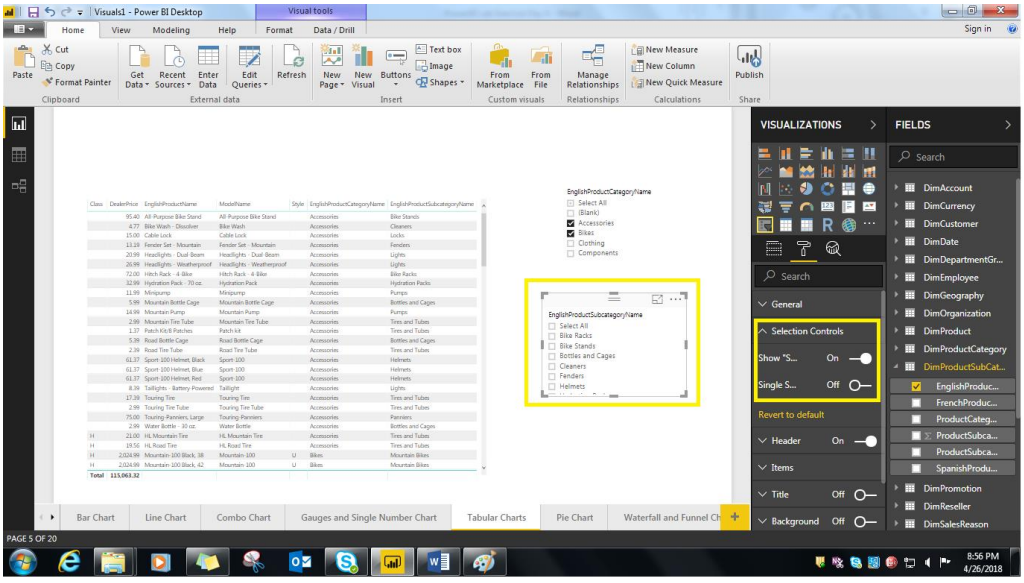
Enable “Select All” option:



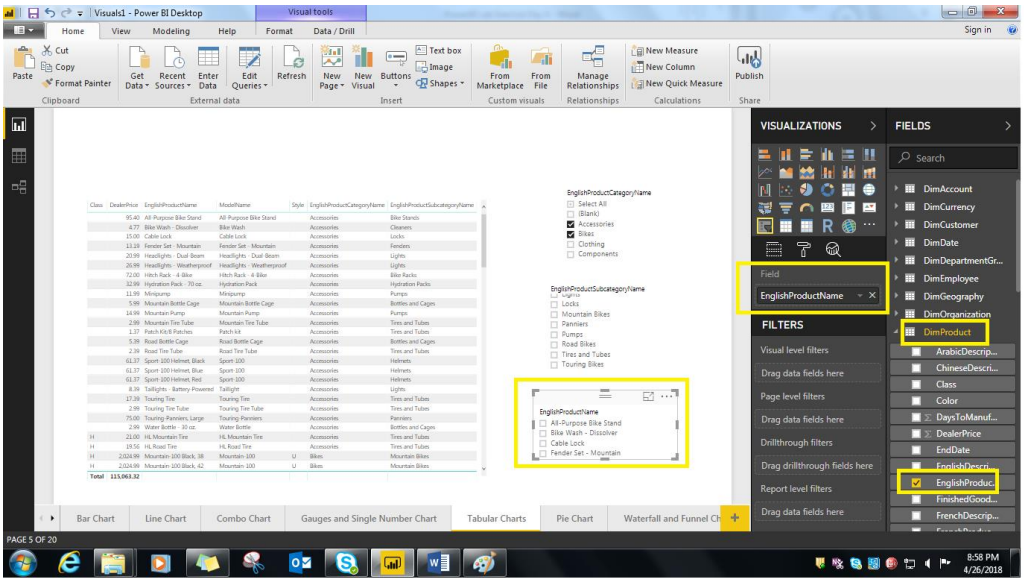
Drag and drop appropriate fields:



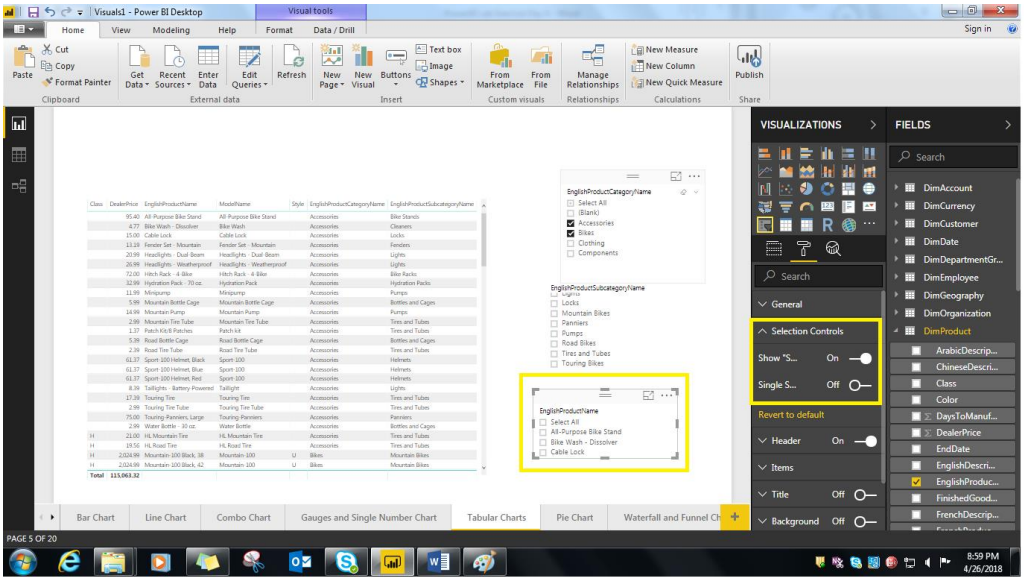
Enable “Select All” option:



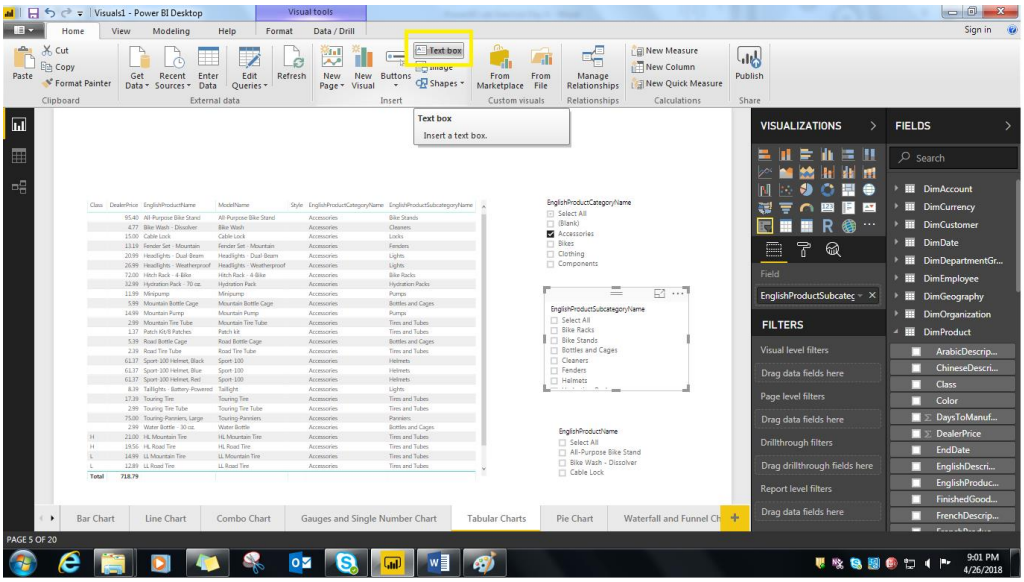
Drag and drop Slicer and appropriate fields into it:



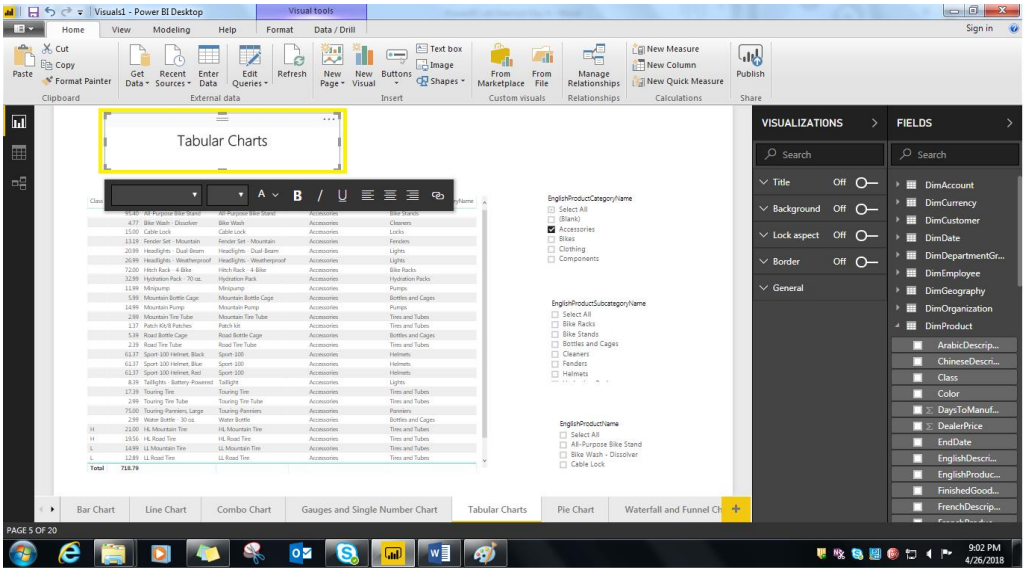
Enable “Select All” option:



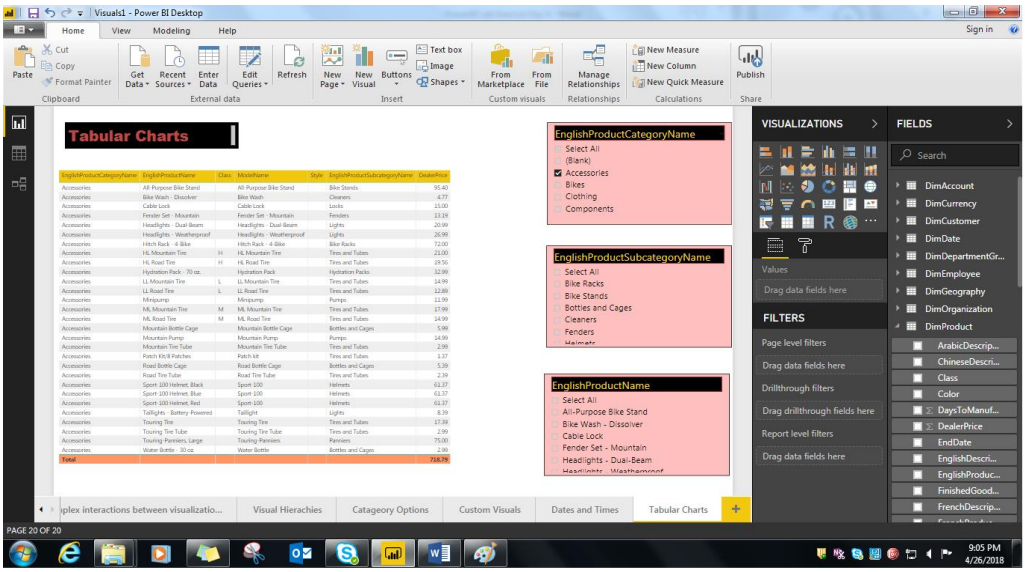
Drag “Text box”:



Write “Report name” in Text box:



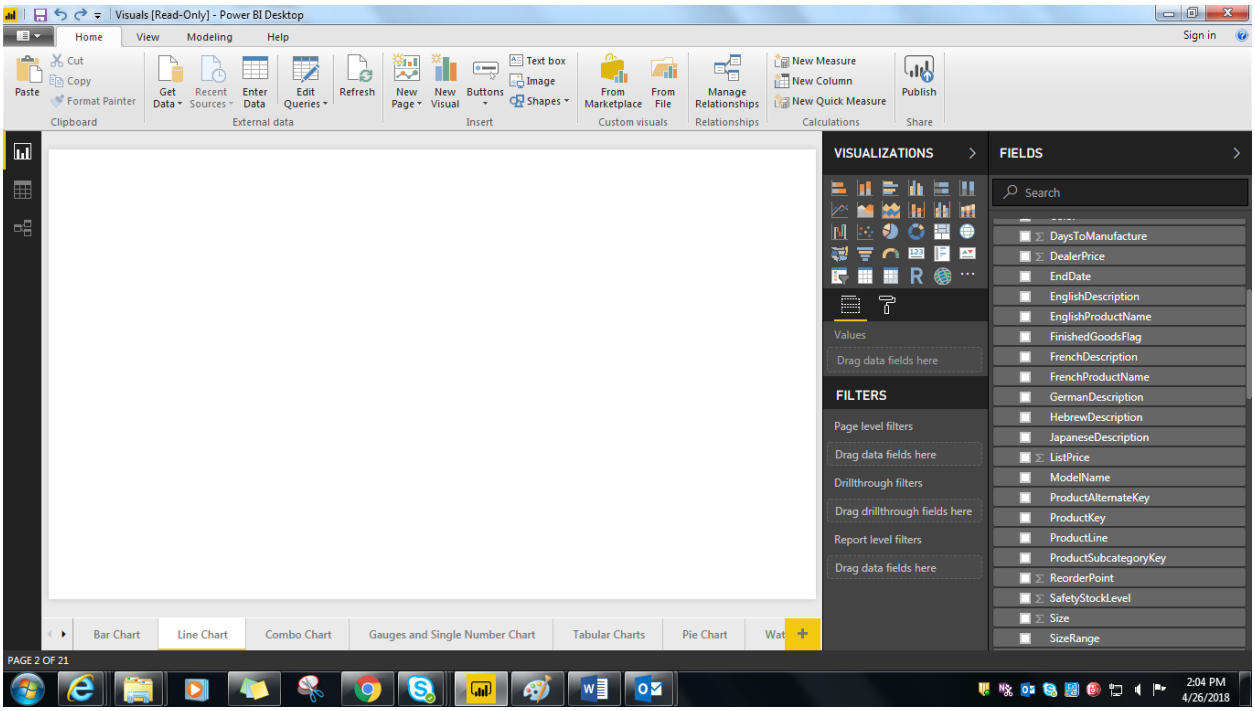
Do the formatting for all Visuals and the final report looks like below:



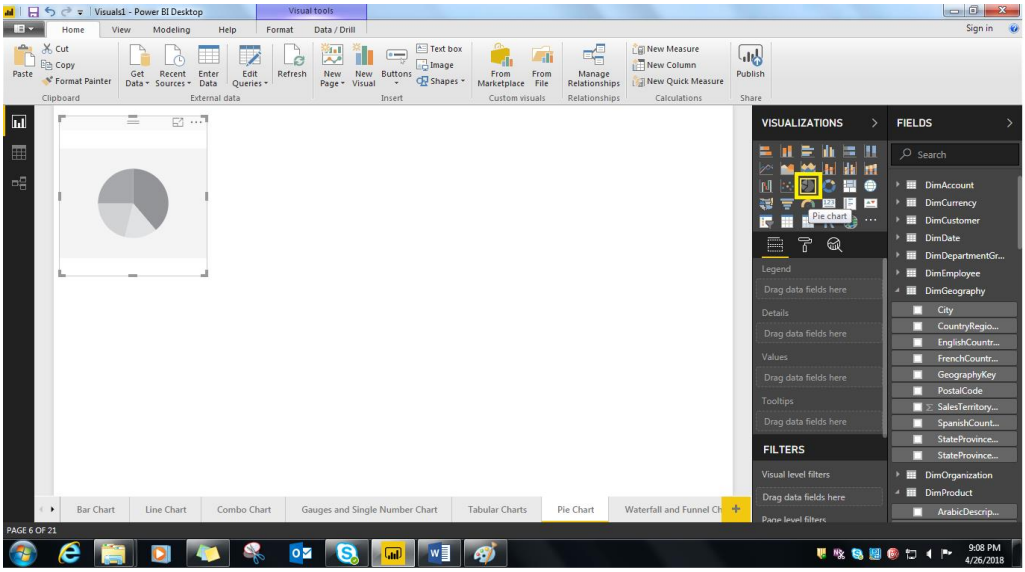
7. Pie Chart:

Lab Exercise: **Create a Pie chart for "Sales amount by CoutryRegionname and City"**

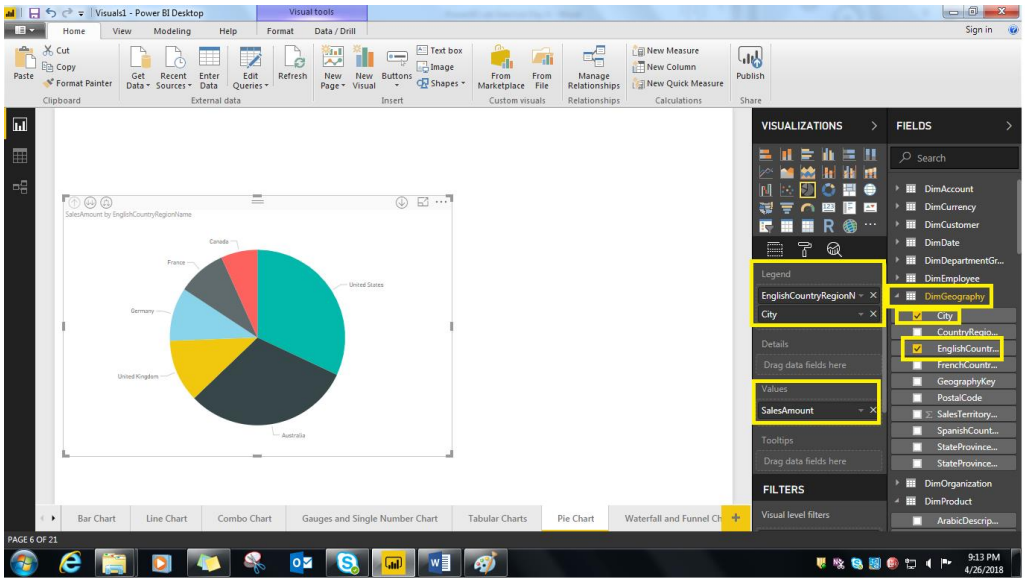
Start with a blank Power BI Desktop page:



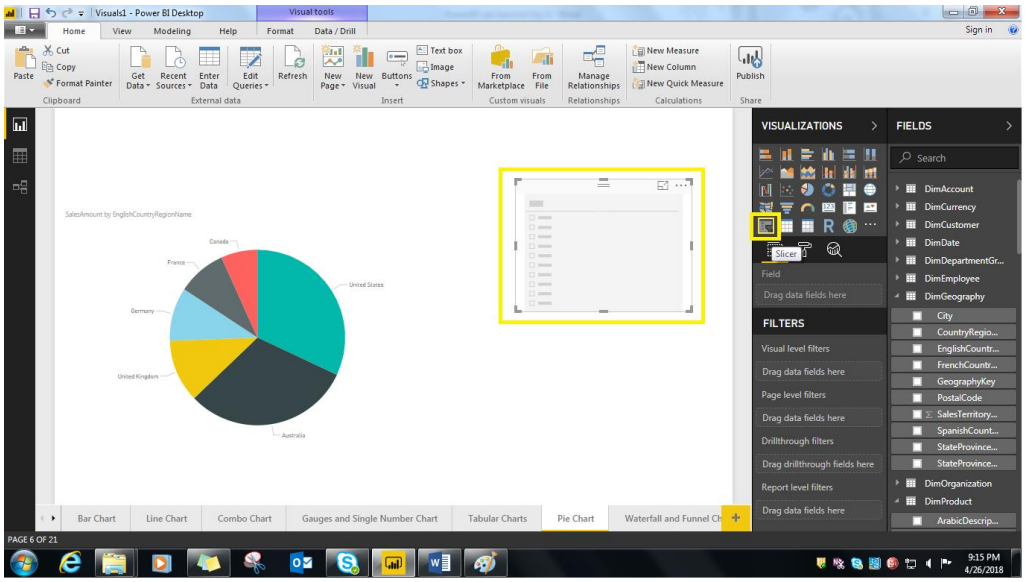
Drag and drop “Pie chart”:



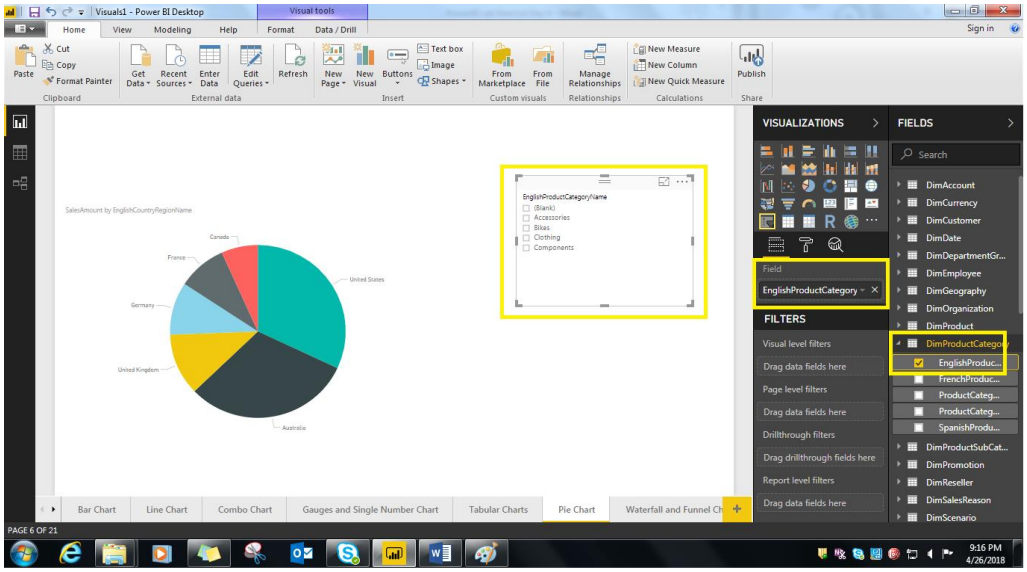
Drag and drop appropriate fields:



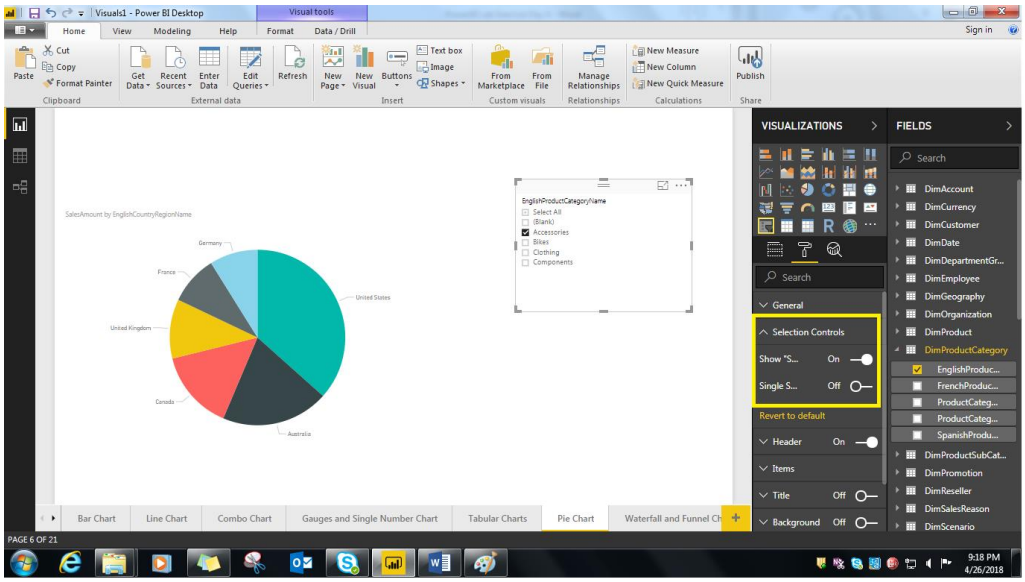
Drag and drop Slicer:



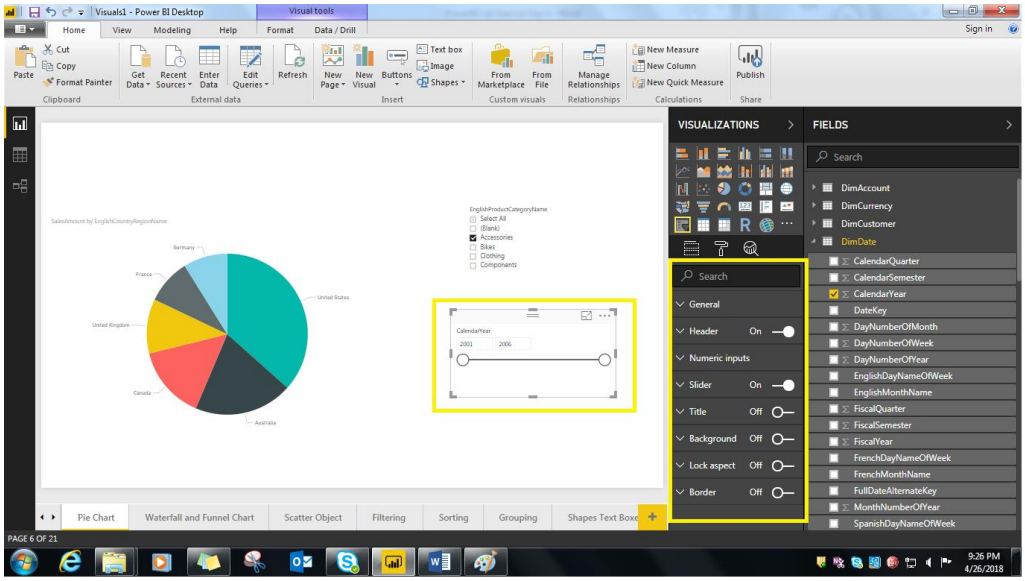
Drag and drop appropriate fields:



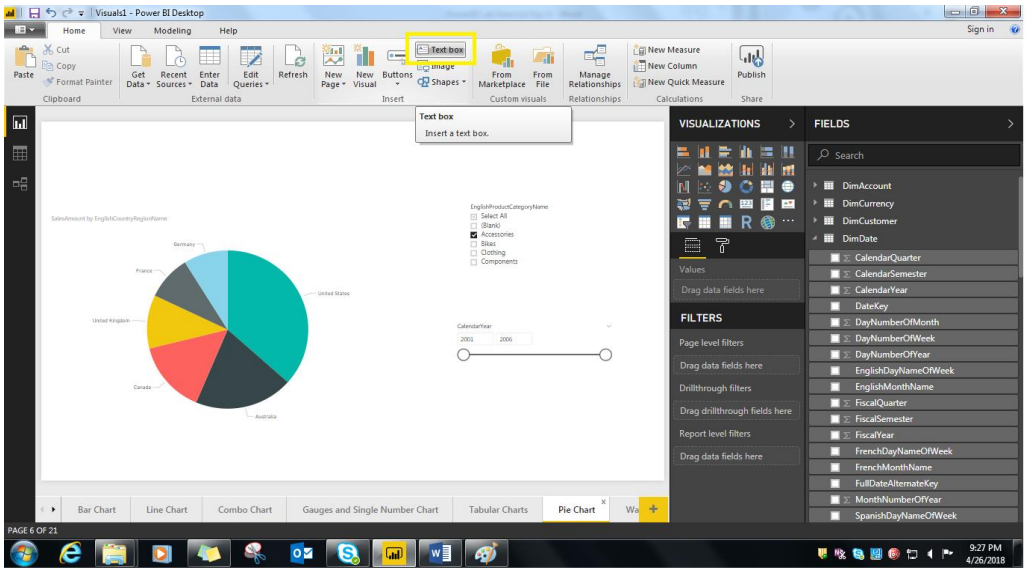
Enable “Select All” option:



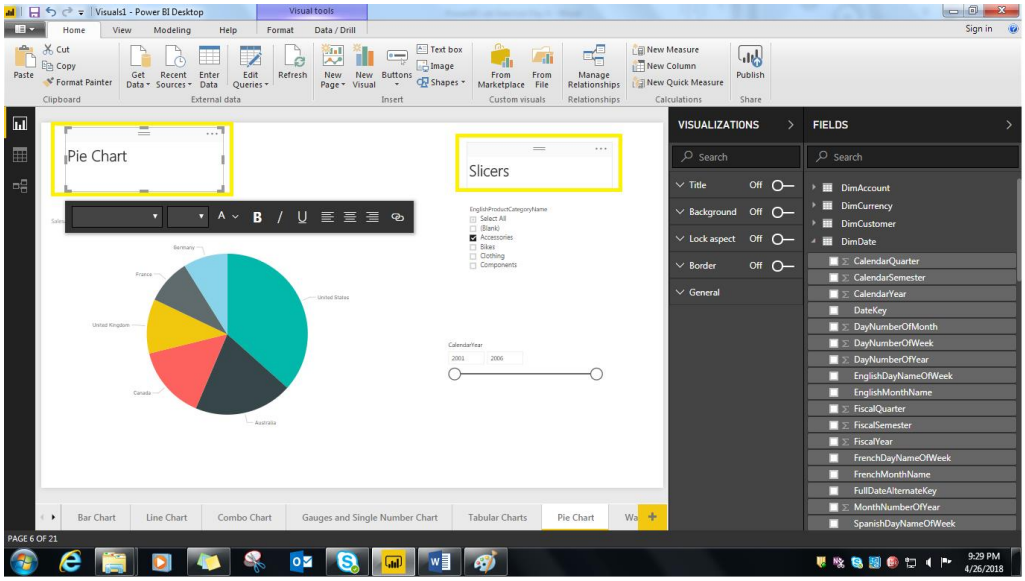
Take another Slicer and drag and drop appropriate fields:



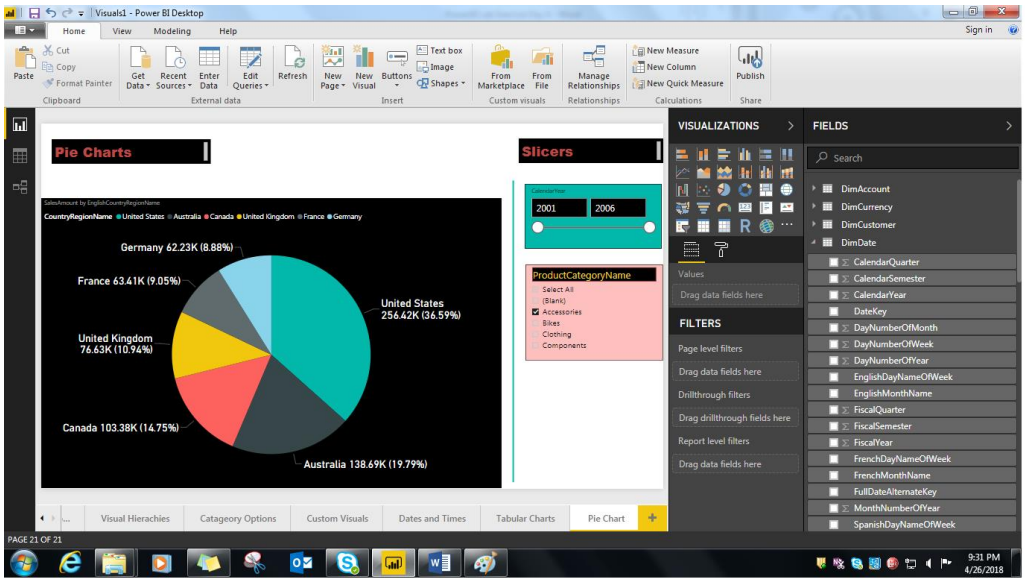
Drag and drop Text box:



Give report names in the Text box:

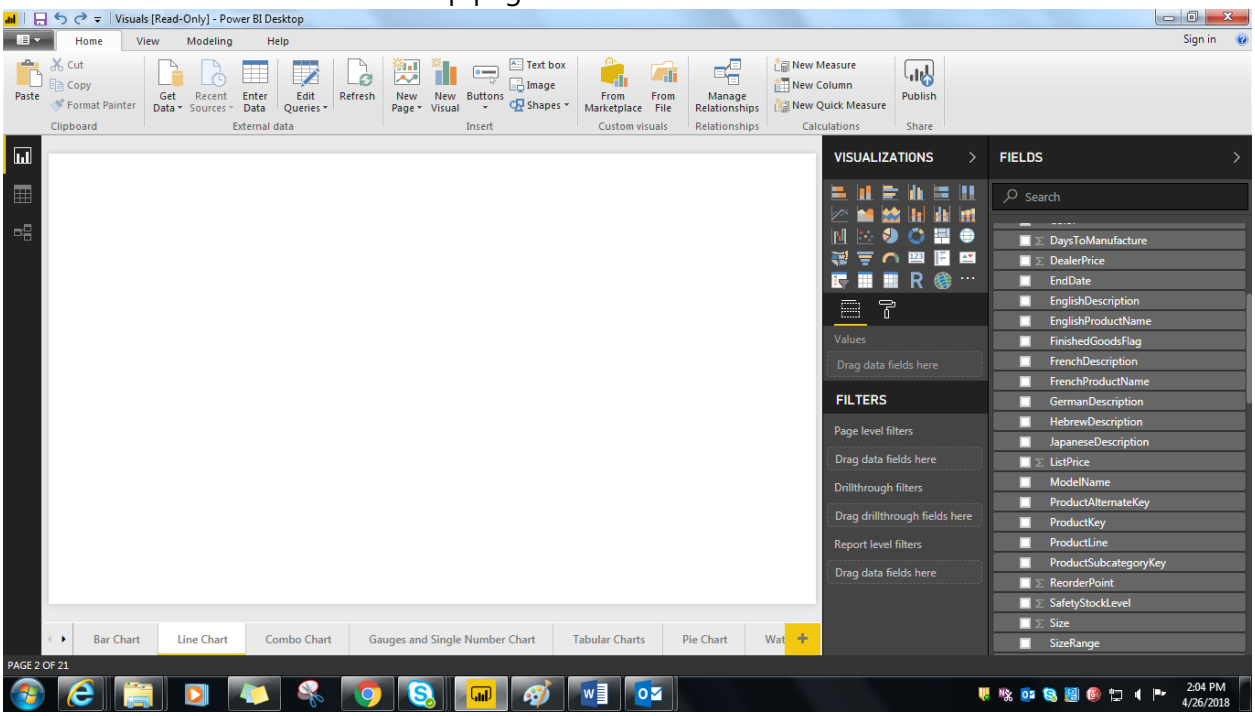


Apply some formatting and final report looks like below:

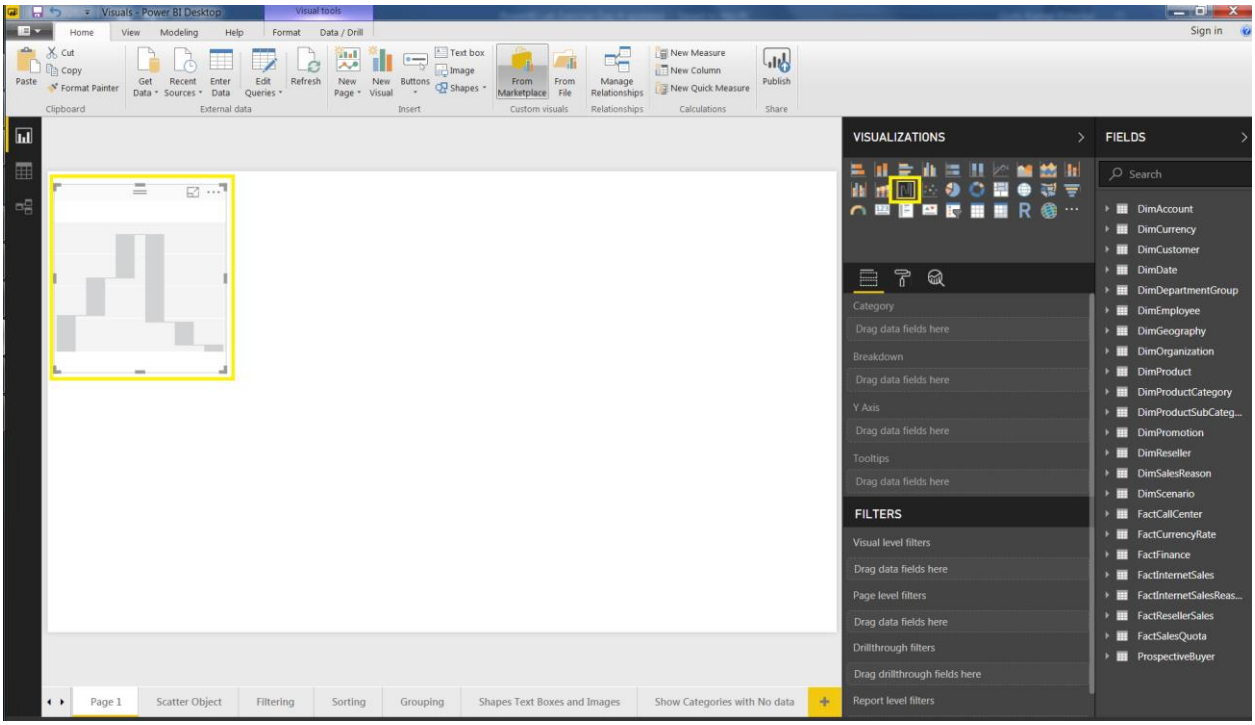


8. Waterfall and Funnel Chart:

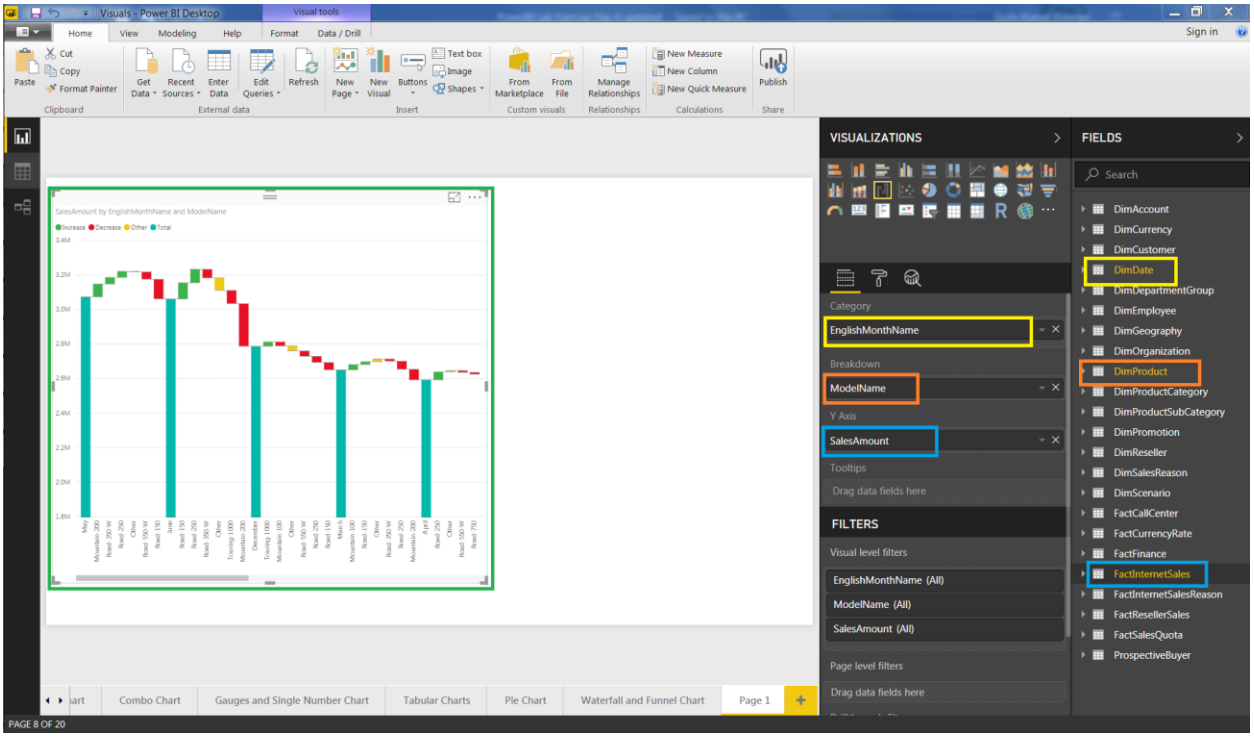
Start with a blank Power BI Desktop page:



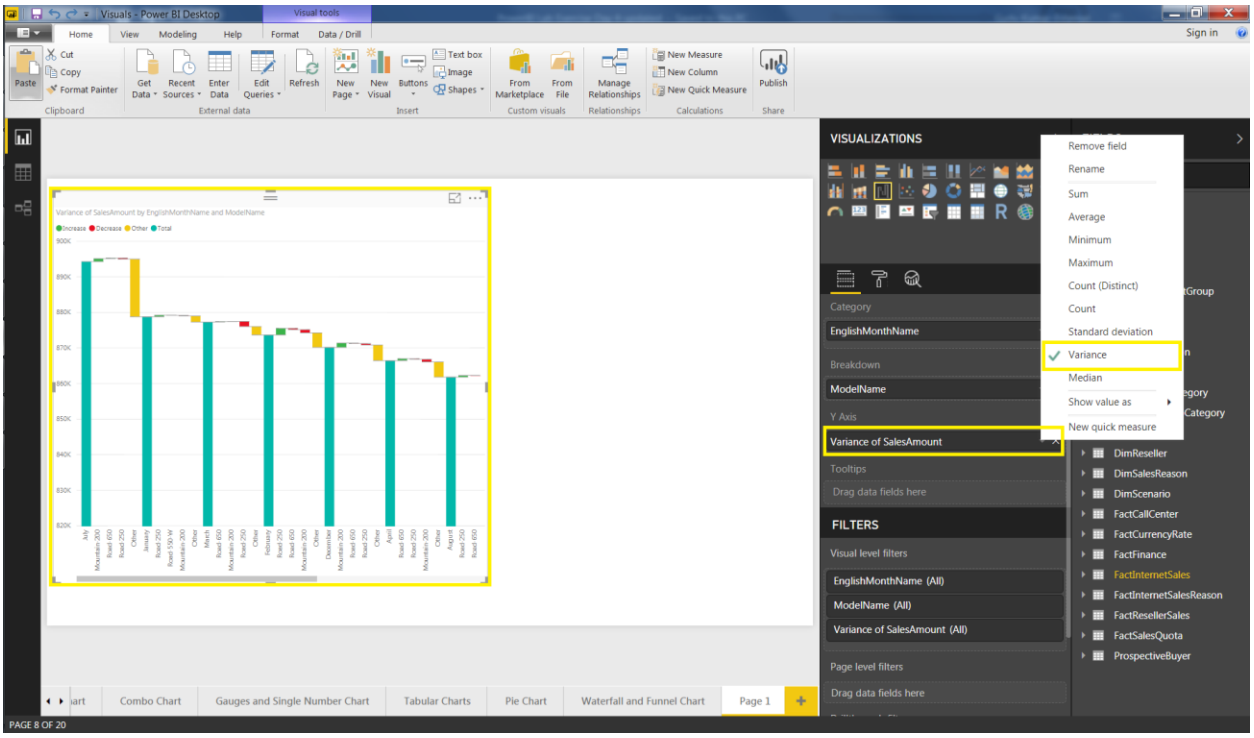
Go to Visualizations and select “Waterfall”:



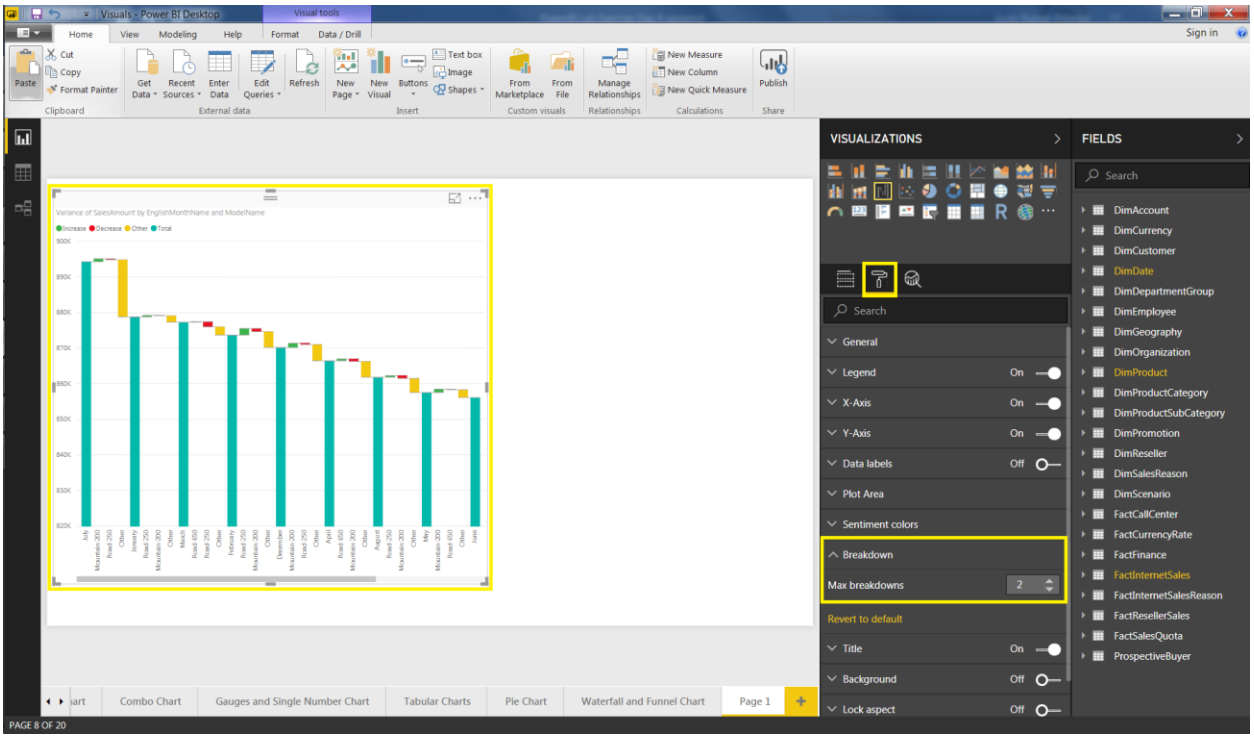
Choose field accordingly as below from their respective tables:



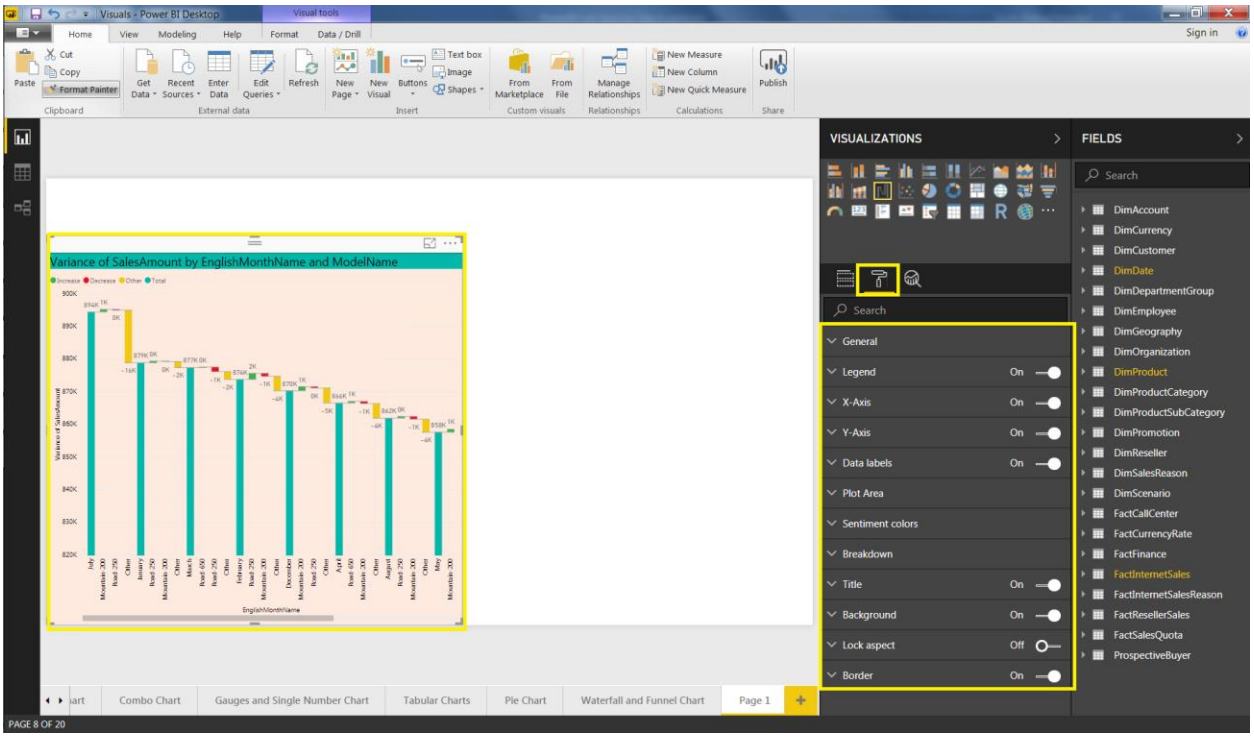
Apply Variance on SalesAmount:



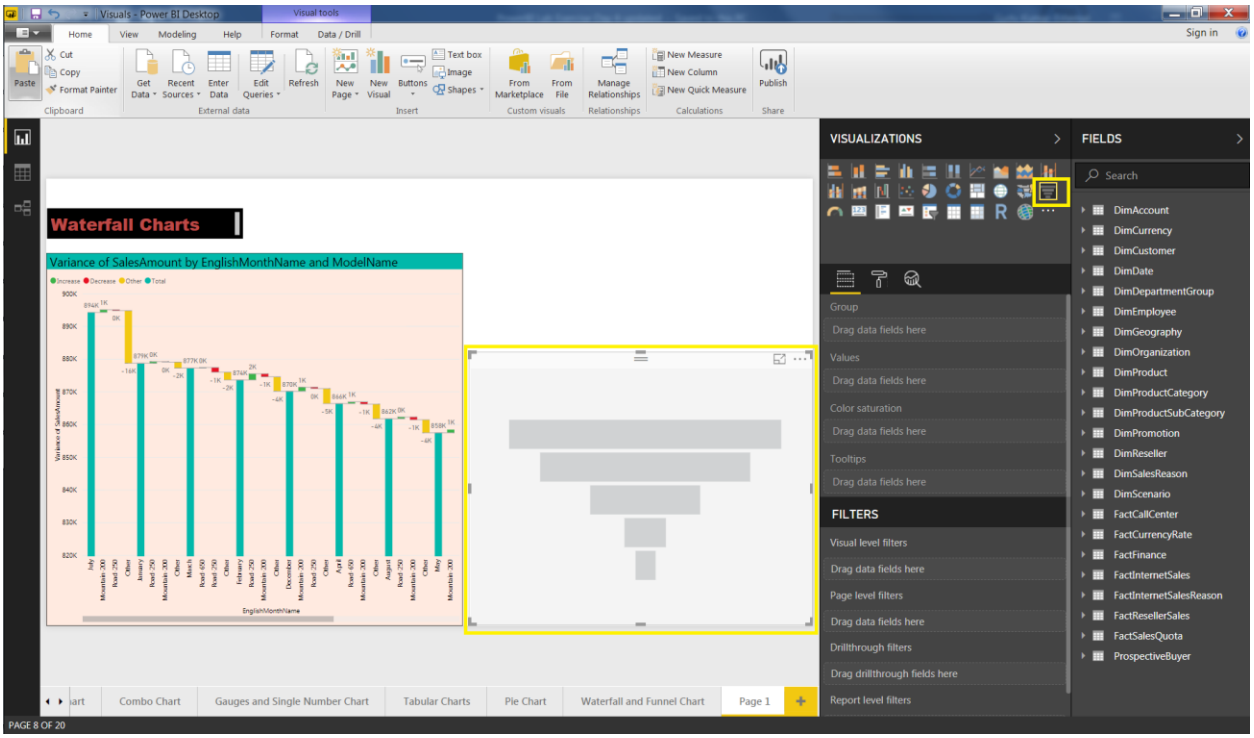
Apply Breakdown value “2”:



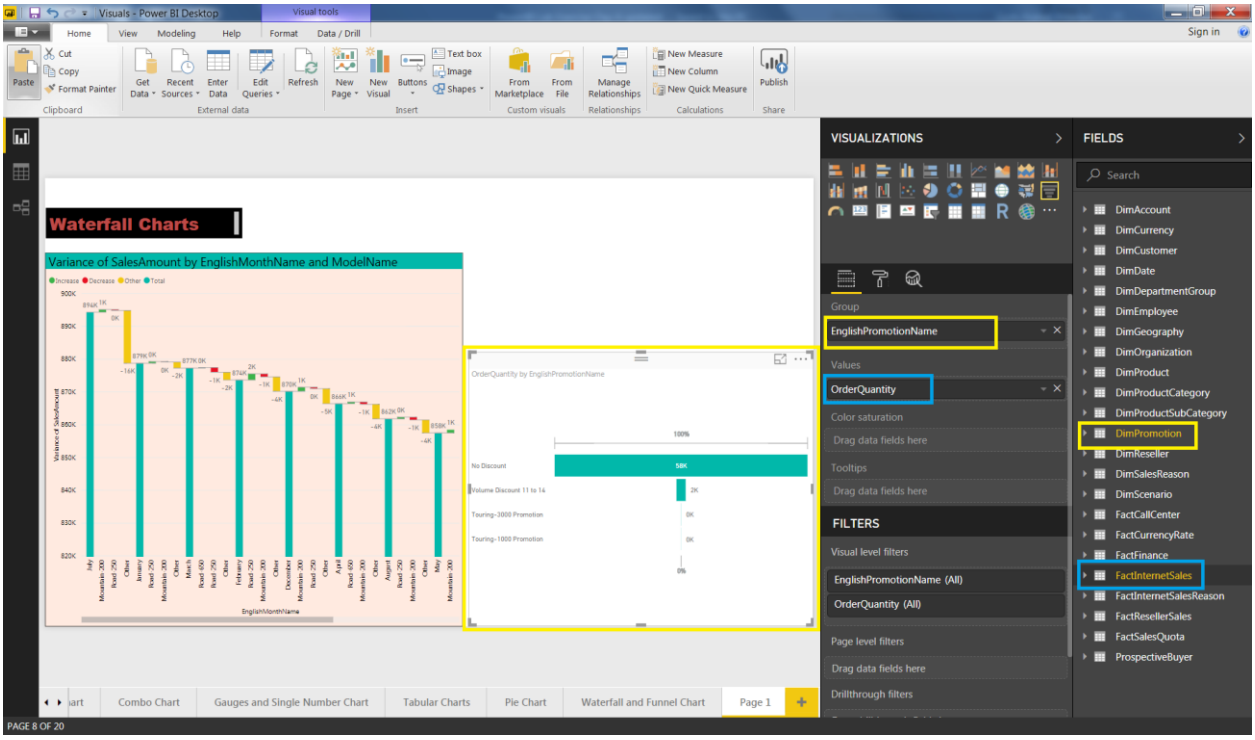
Apply some formatting options as below:



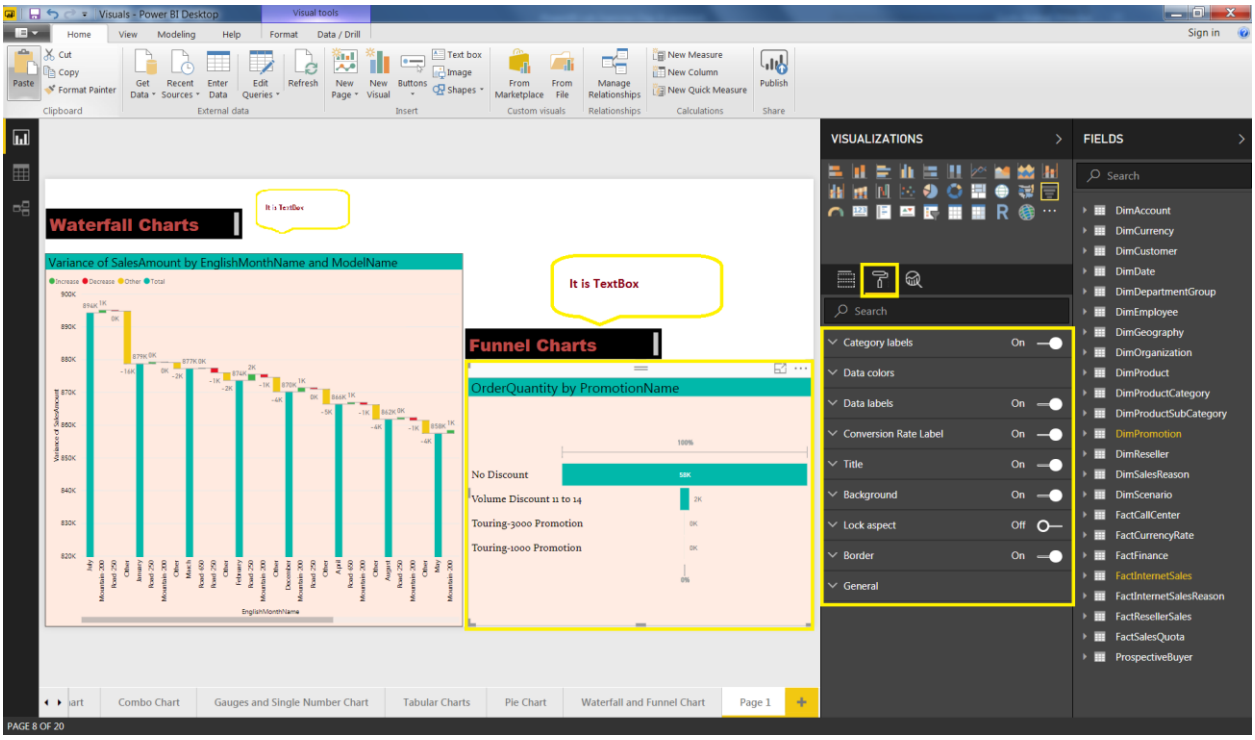
Select “Funnel” from Visualizations:



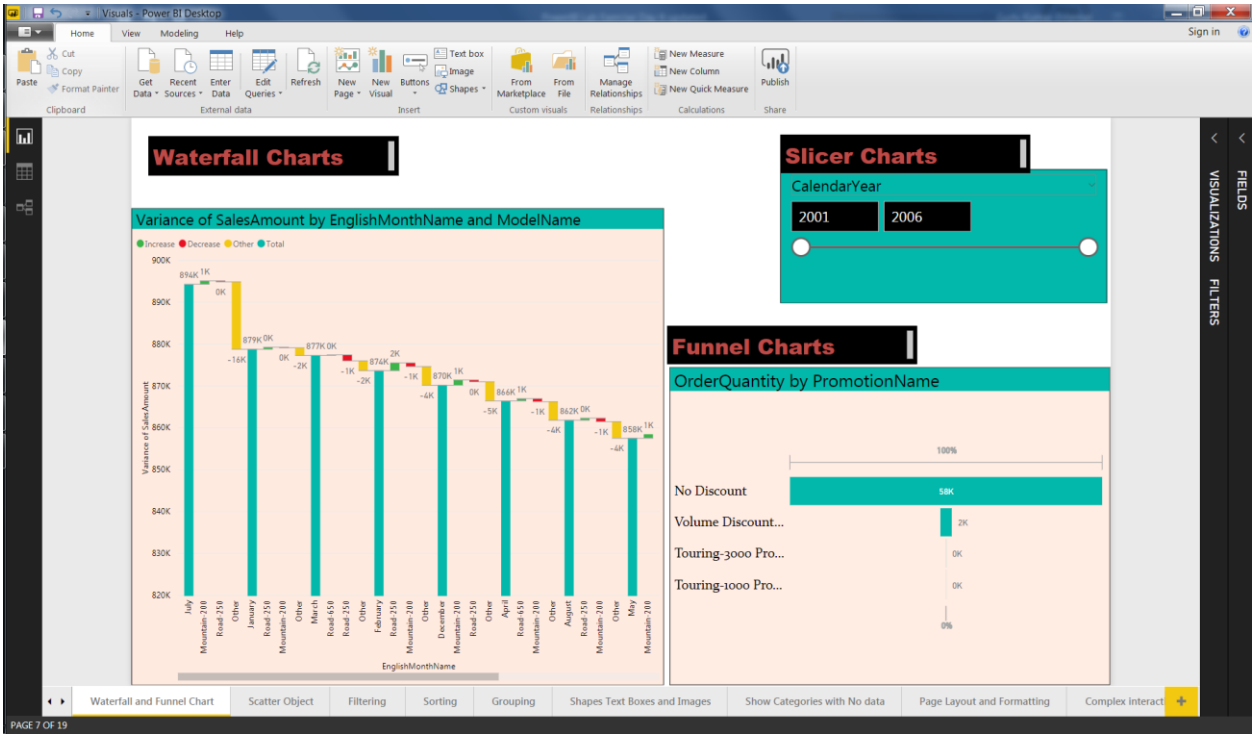
Choose field accordingly as below from their respective tables:



Apply required formatting as below:

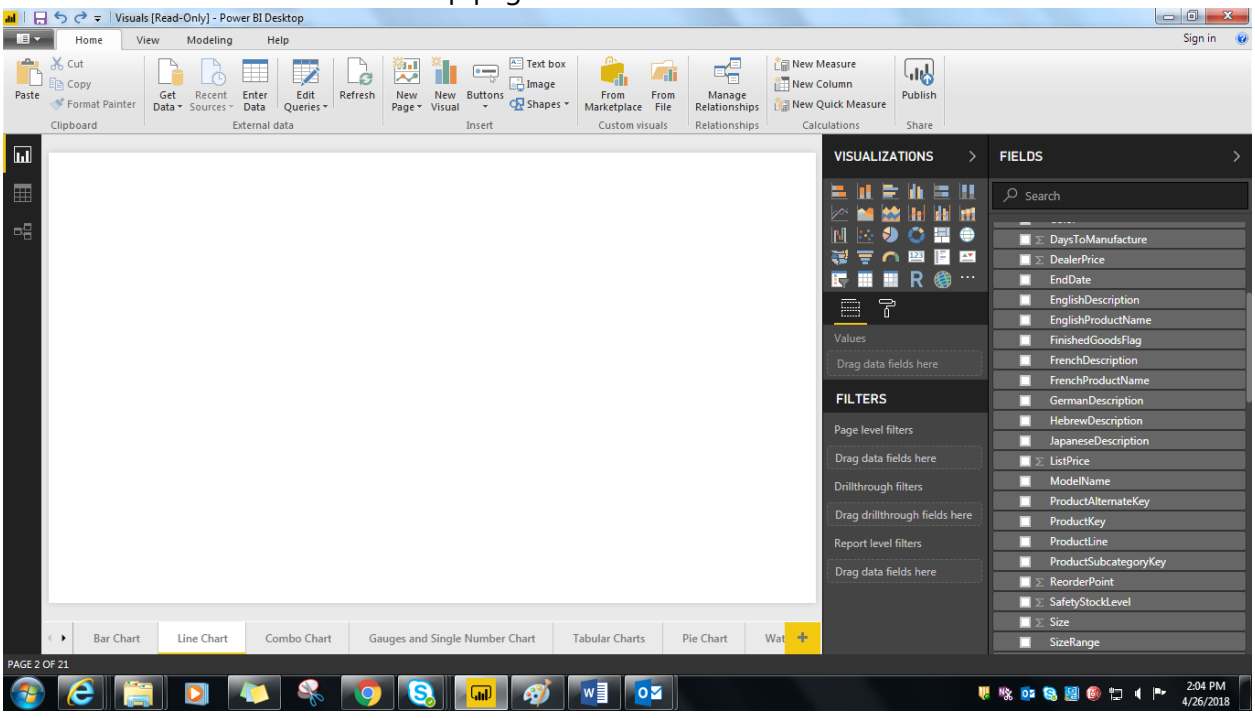


The final report looks as below:

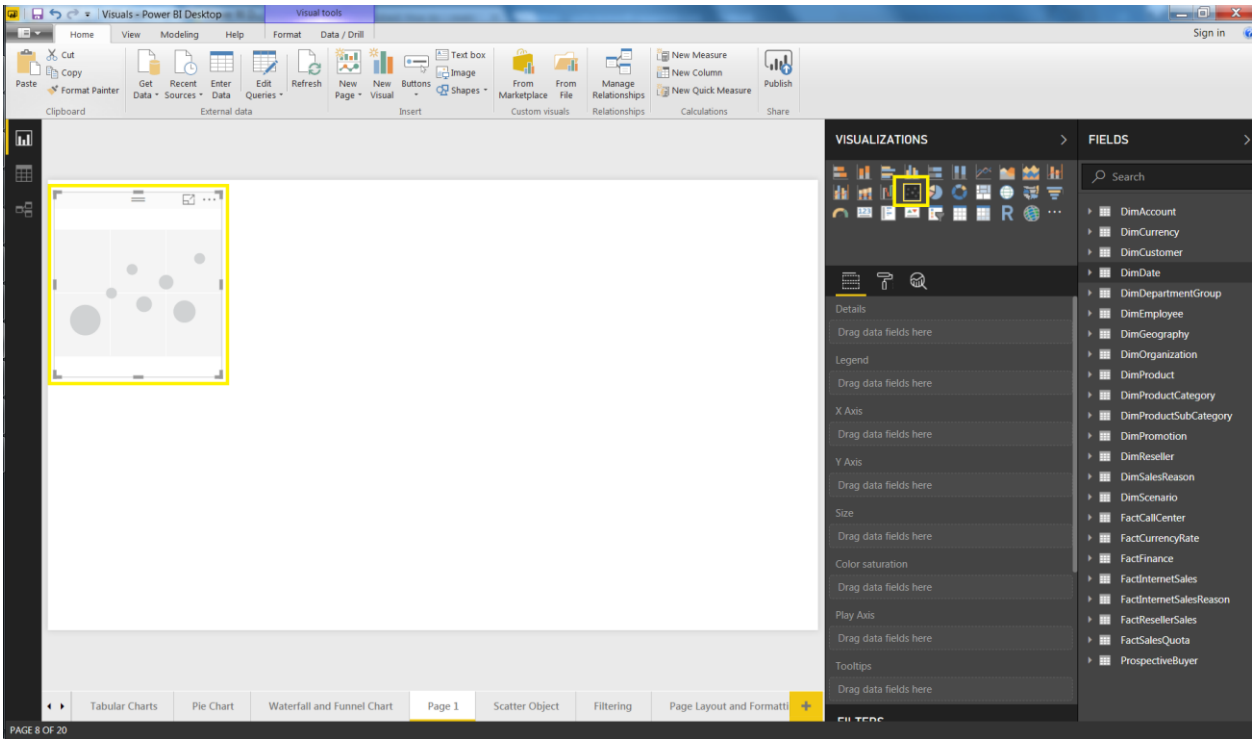


9. Scatter Object Chart:

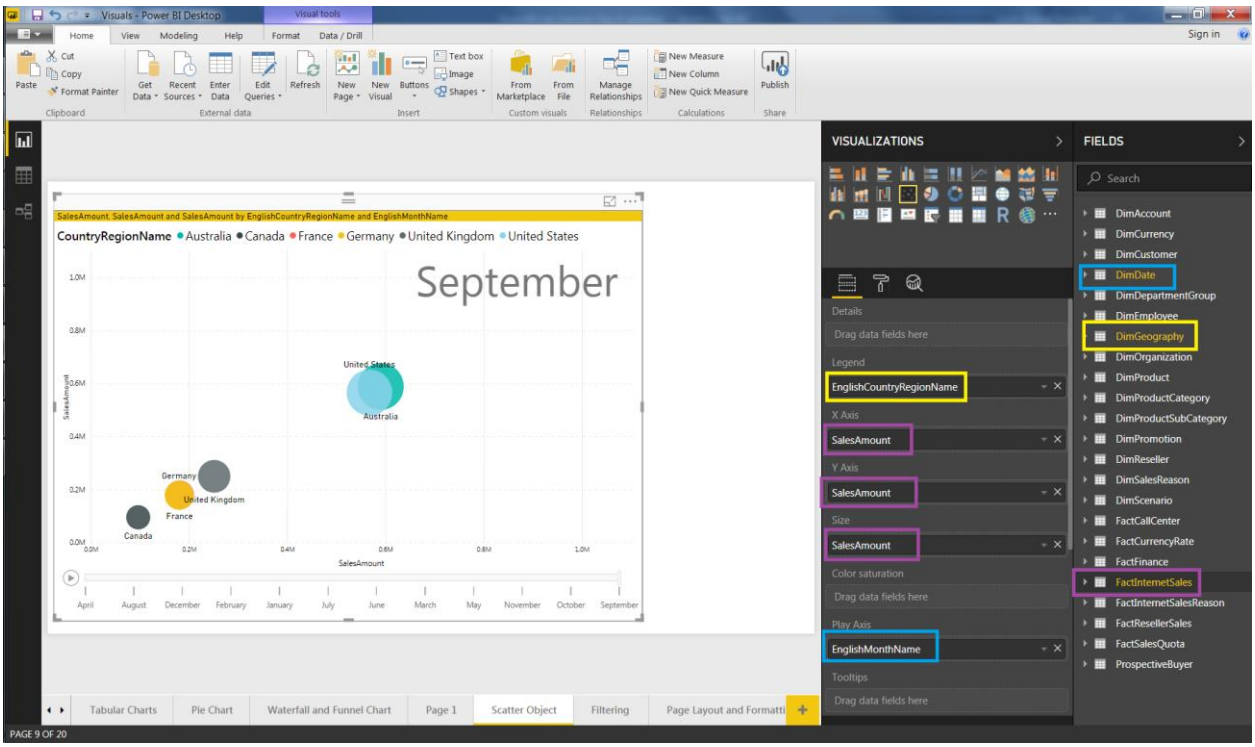
Start with a blank Power BI Desktop page:



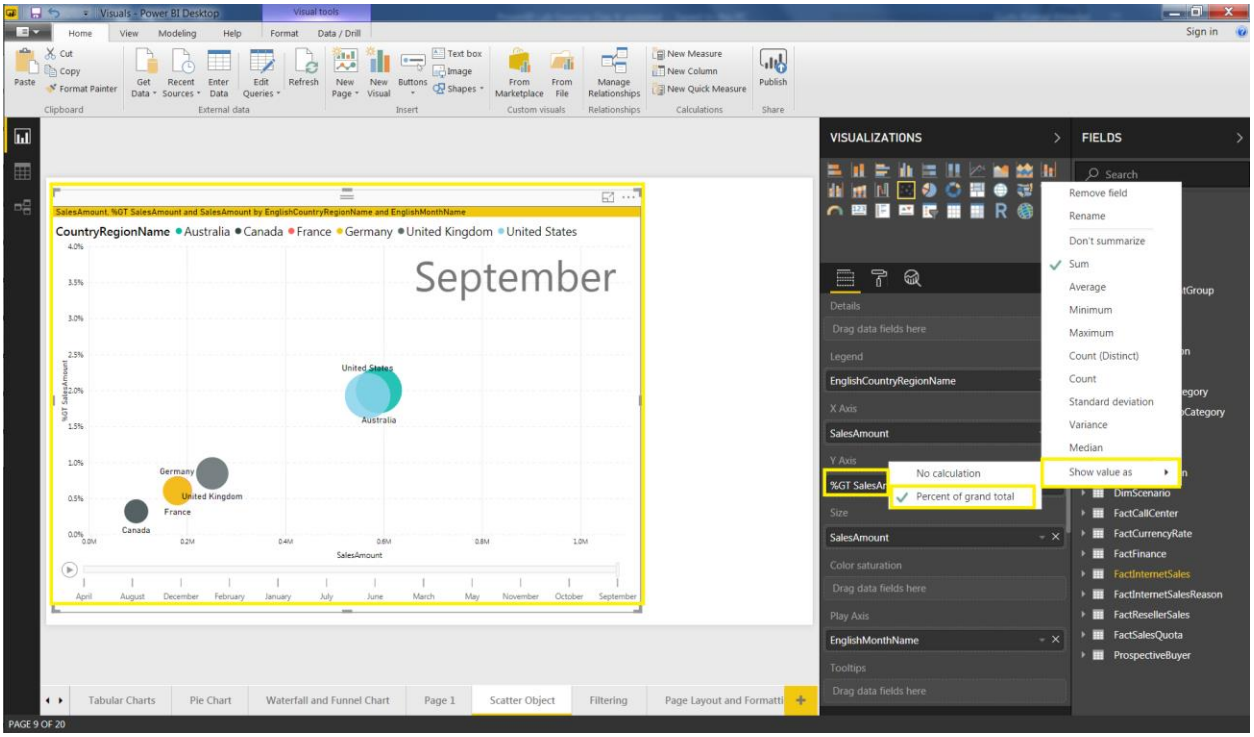
Go to Visualizations and select "Scatter":

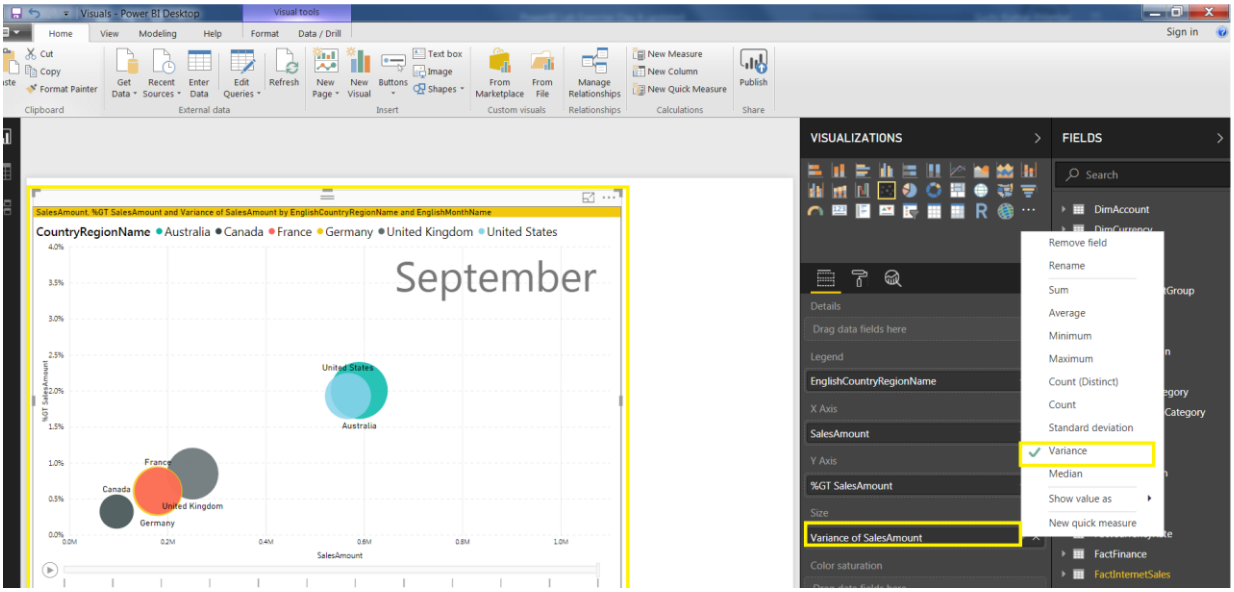


Choose field accordingly as below from their respective tables:

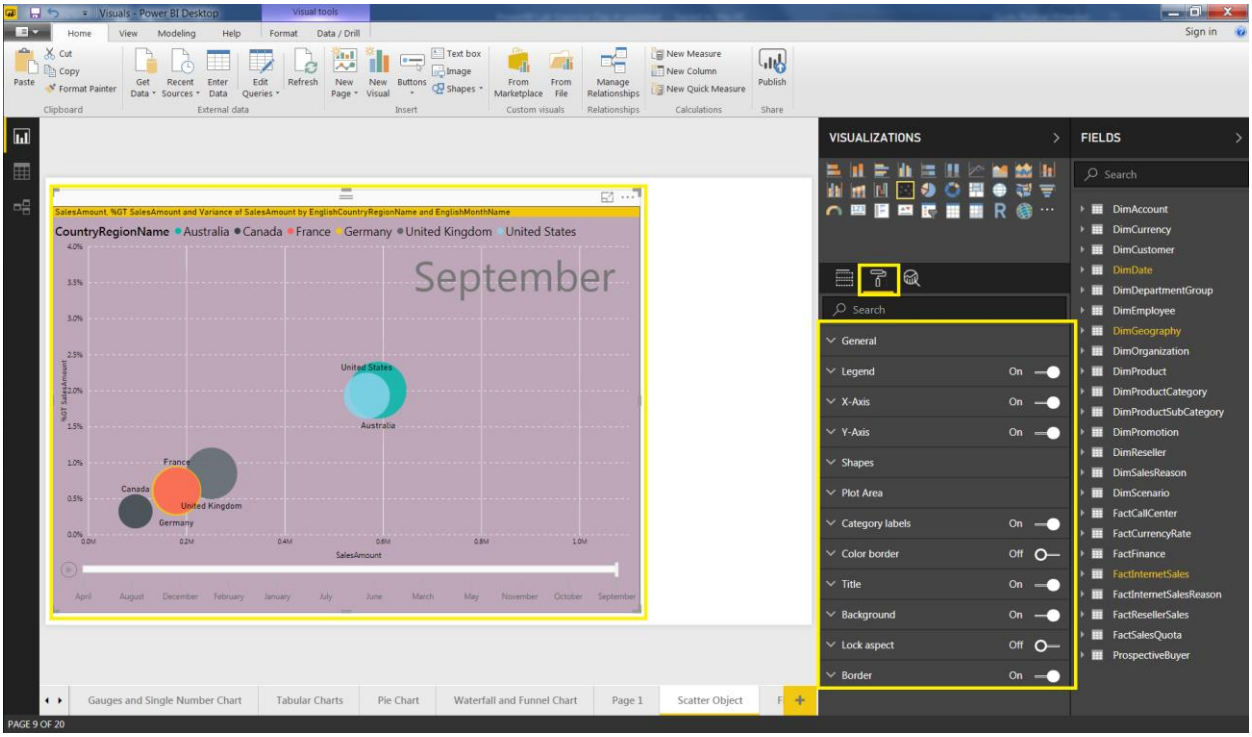


Apply Variance, %Gross Total on SalesAmount as below:

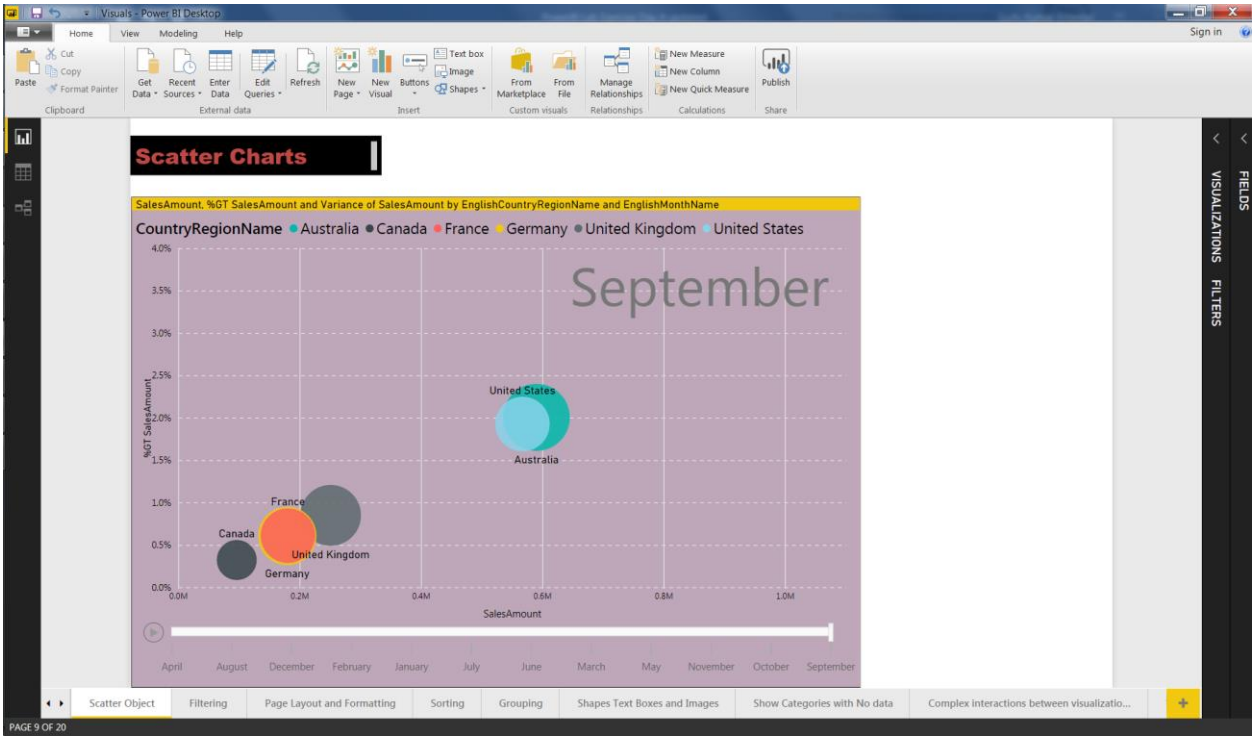




Apply some formatting options as below:

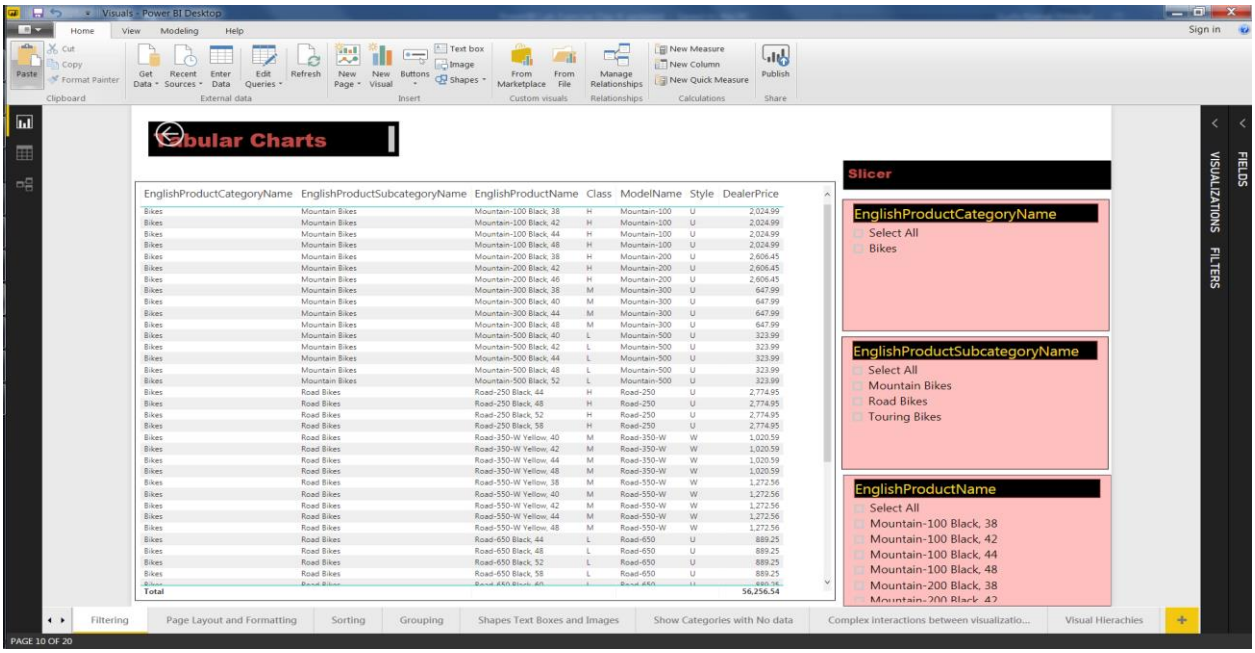


The final report looks as below:

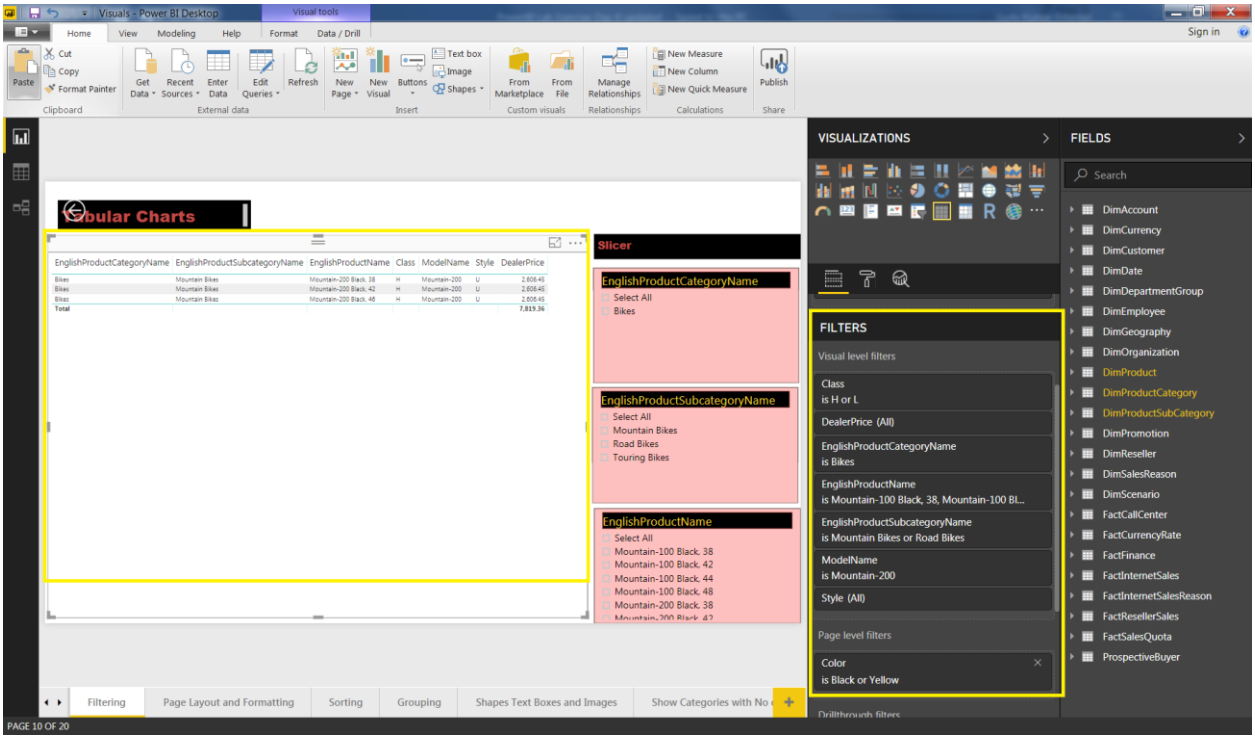


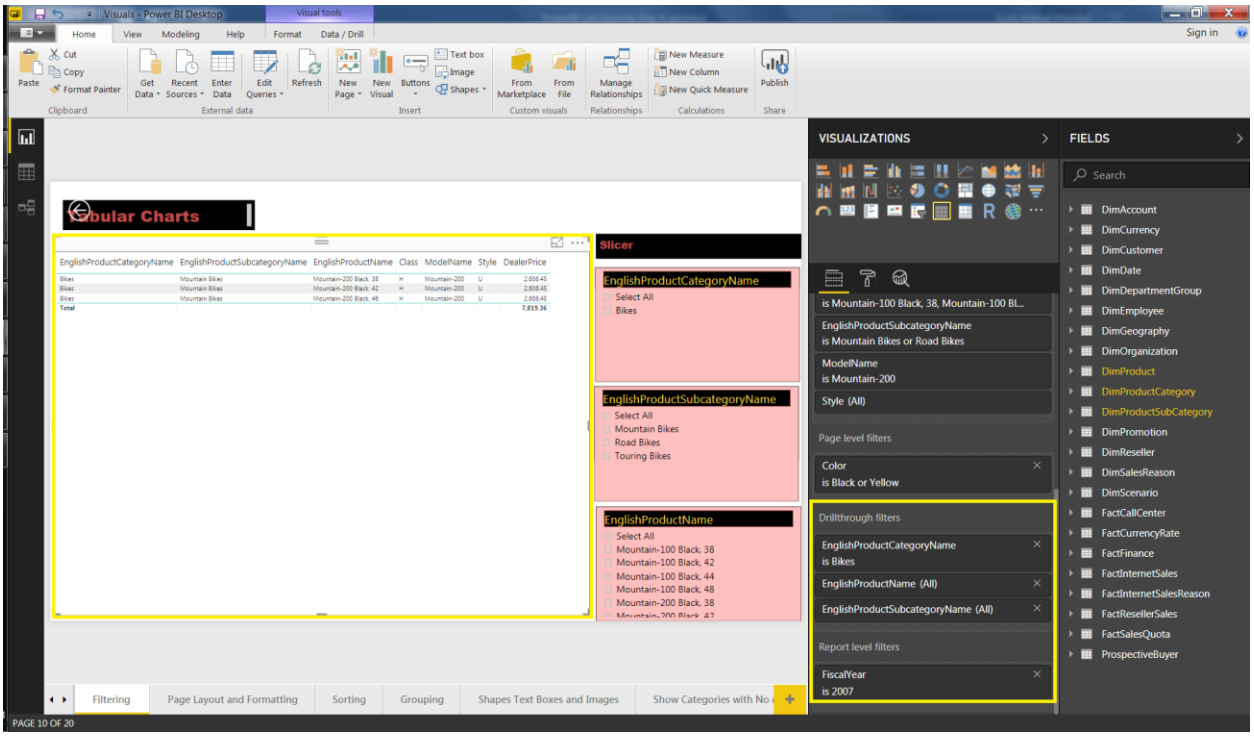
10. Filters:

Use above existing Tabular Chart report:



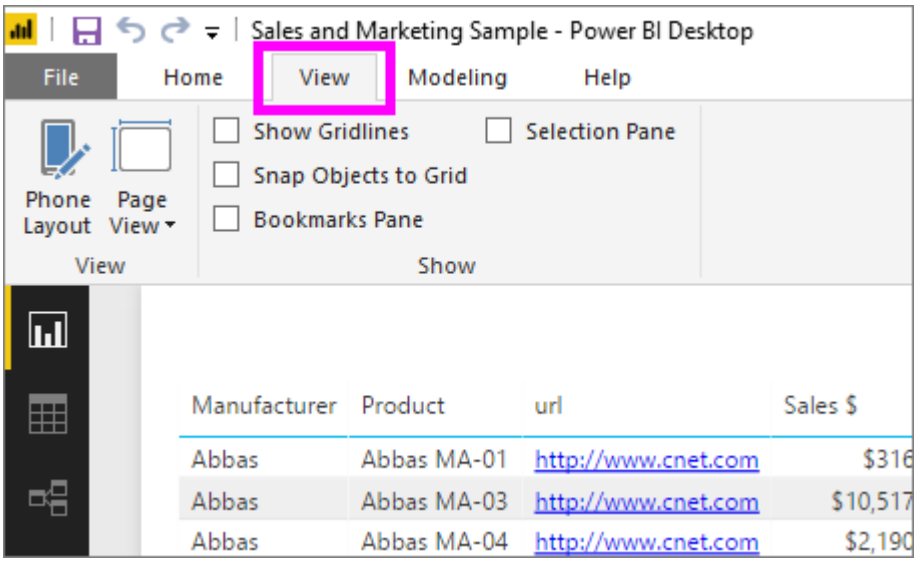
Select “Tabular Chart” and apply Filters at different level: **Visual Level Filter, Page Level Filter, Drillthrough Filter and Report Level Filter**





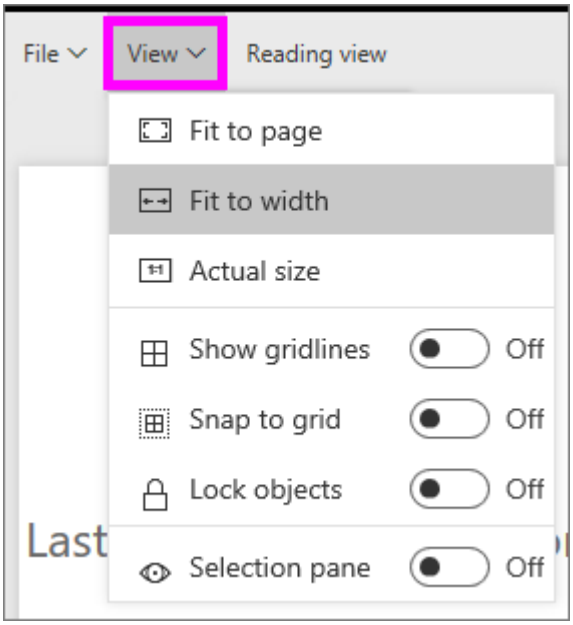
11. Page Layout and Formatting:

In Report view, select the **View** tab to open Page view settings as well as phone layout settings.



In Power BI service (app.powerbi.com)

In Power BI service, open a report and select **View** from the upper left menubar.



Page View settings are available in both Reading view and Editing view. In Editing View, a report owner can assign page view settings to individual report pages, and those settings are saved with the report. When colleagues open that report in

Reading view, they see the report pages display using the owner's settings. In Reading view colleagues can change *some* of the Page view settings, but the changes are not saved when they exit the report.

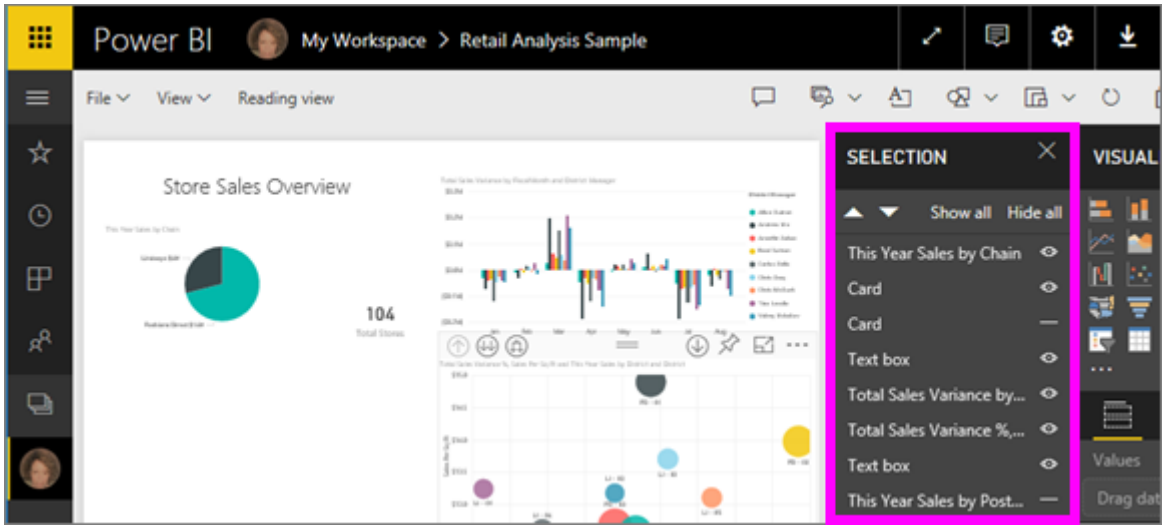
Page view settings

The first set of *Page view* settings control the display of your report page relative to the browser window. Choose between:

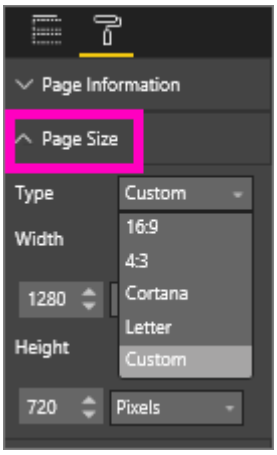
- **Fit to Page** (default): contents are scaled to best fit the page
- **Fit to Width**: contents are scaled to fit within the width of the page
- **Actual Size**: contents are displayed at full size

The second set of *Page view* settings control the positioning of objects on the report canvas

- **Show gridlines**: turn on gridlines to help you position objects on the report canvas
- **Snap to grid**: use with **Show gridlines** to precisely position and align objects on the report canvas
- **Lock objects**: lock all objects on the canvas so that they cannot be moved or resized
- **Selection pane**: the Selection pane lists all objects on the canvas and you can decide which to show and which to hide



Page Size settings

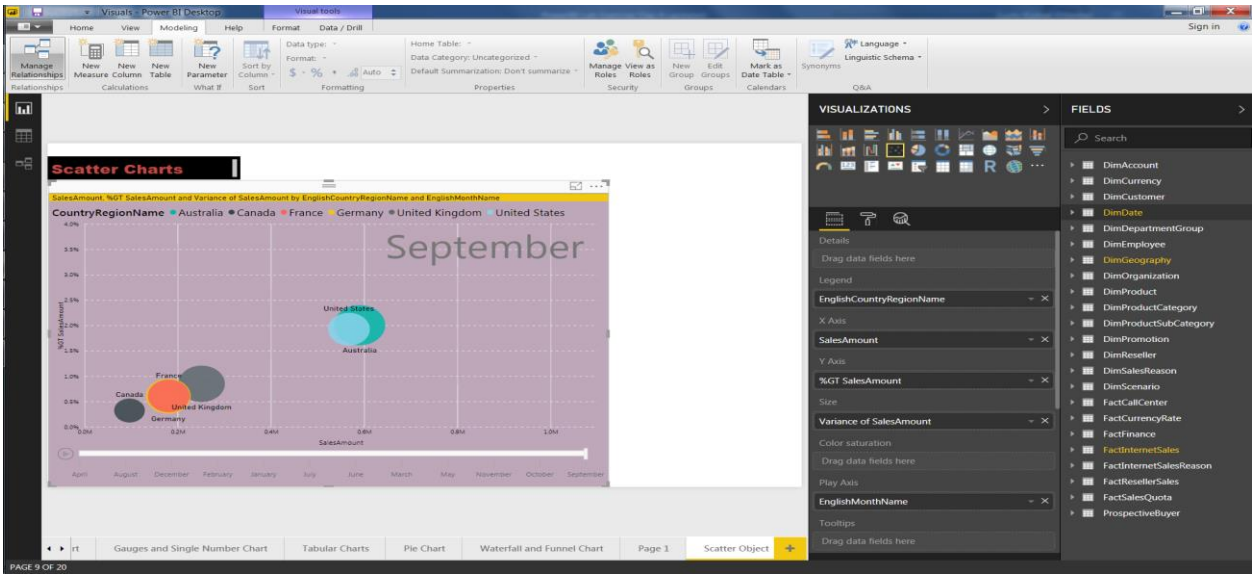


Page Size settings are only available for report owners. In Power BI service (app.powerbi.com), this means being able to open the report in Editing view. These settings control the display ratio and actual size (in pixels) of the report canvas.

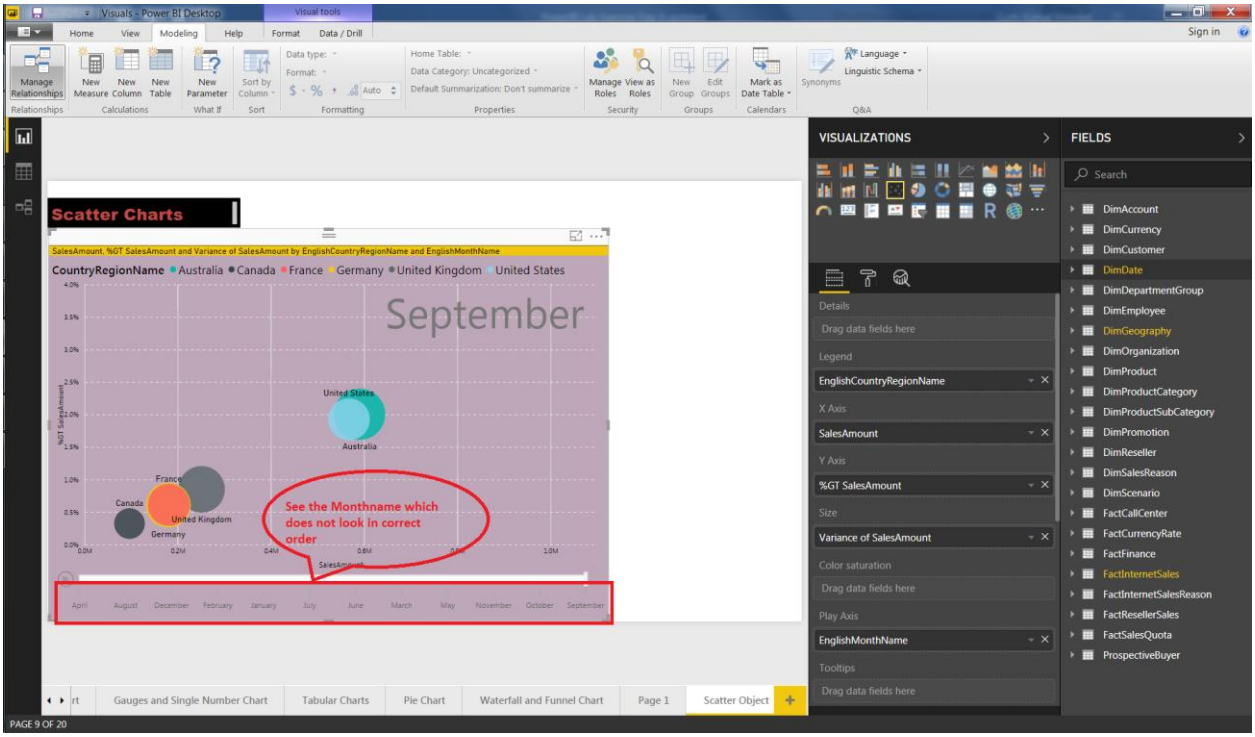
- 4:3 ratio
- 16:9 ratio (default)
- Cortana
- Letter
- Custom (height and width in pixels)

12. Sorting:

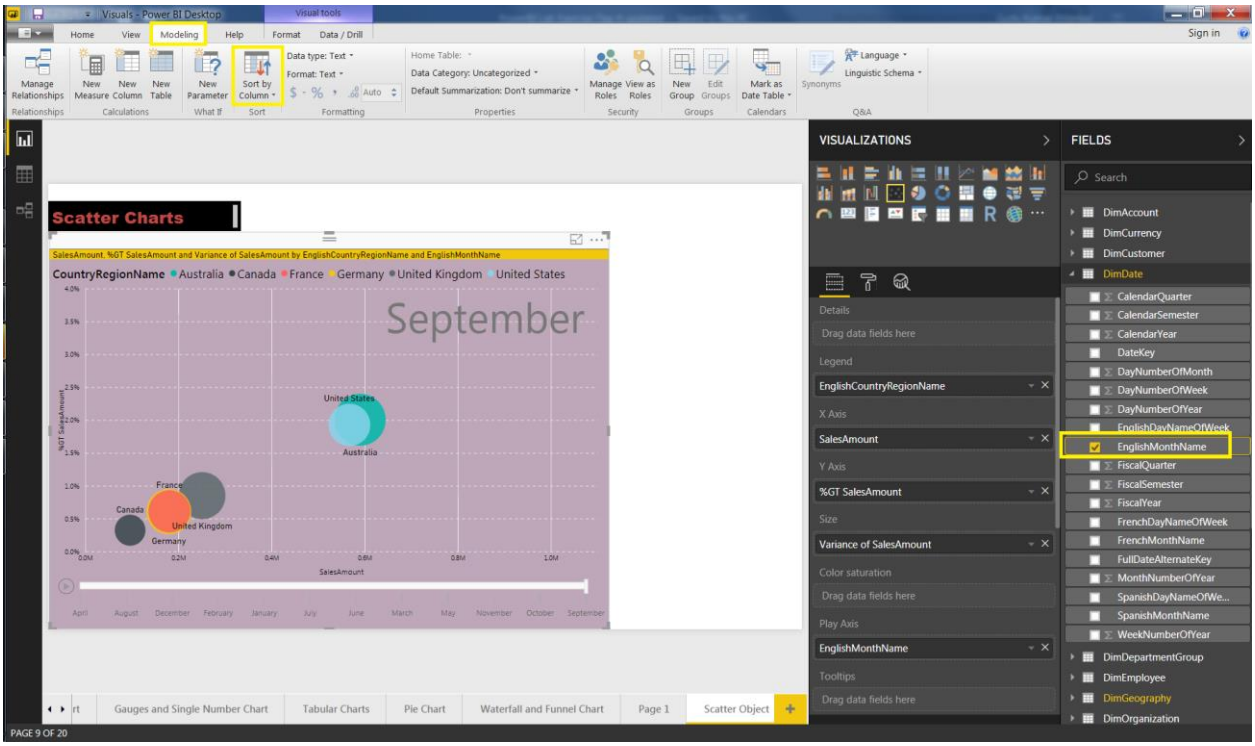
Use the “Scatter Chart Report”:



Months are not in sorted order:

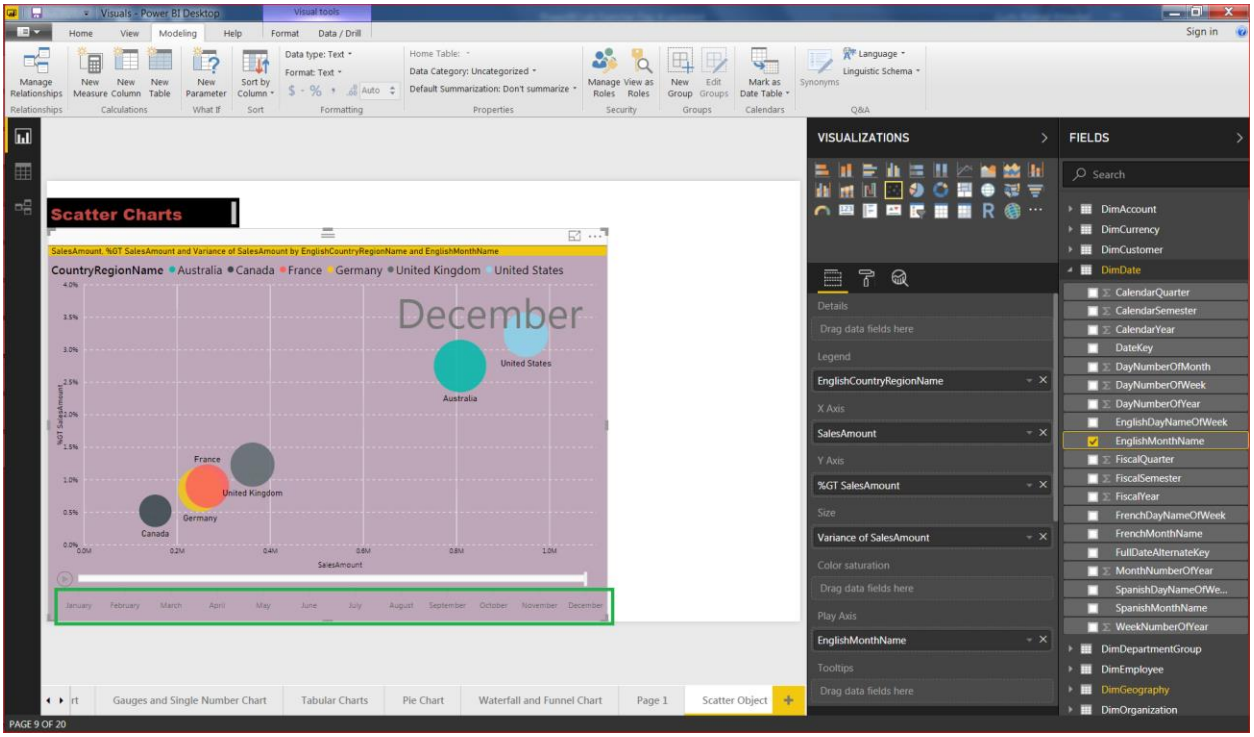


Use this option: Sort using the Sort by Column button

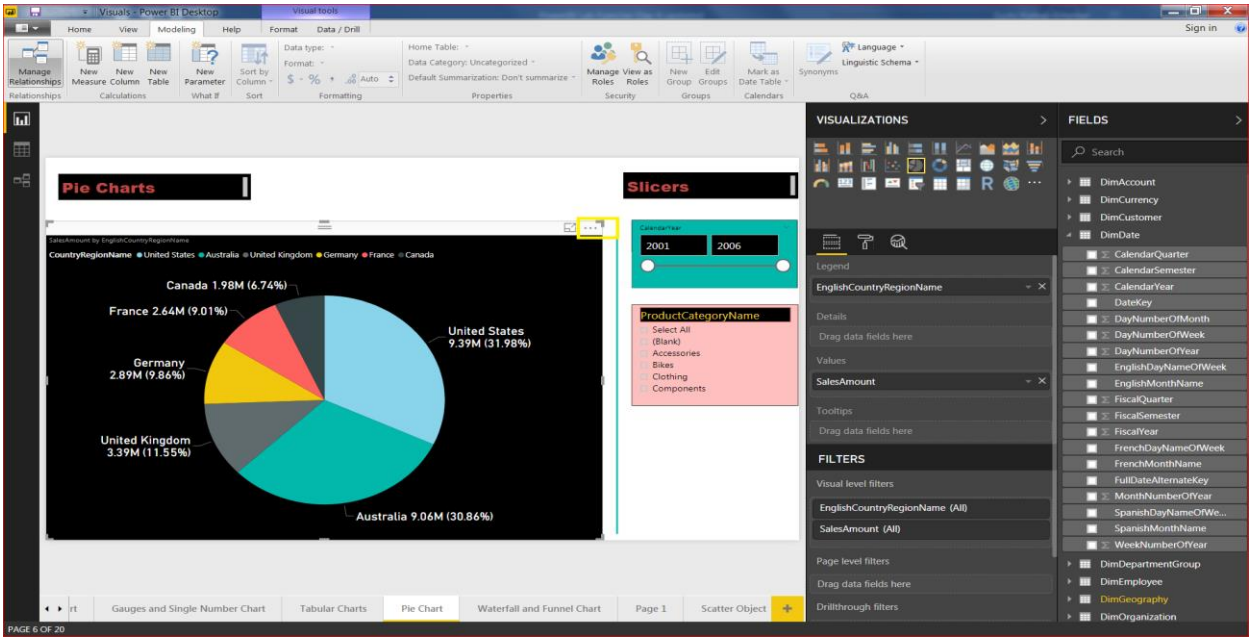


Go to “**Sort by Column**”-> and select “**MonthNumberOfYear**”

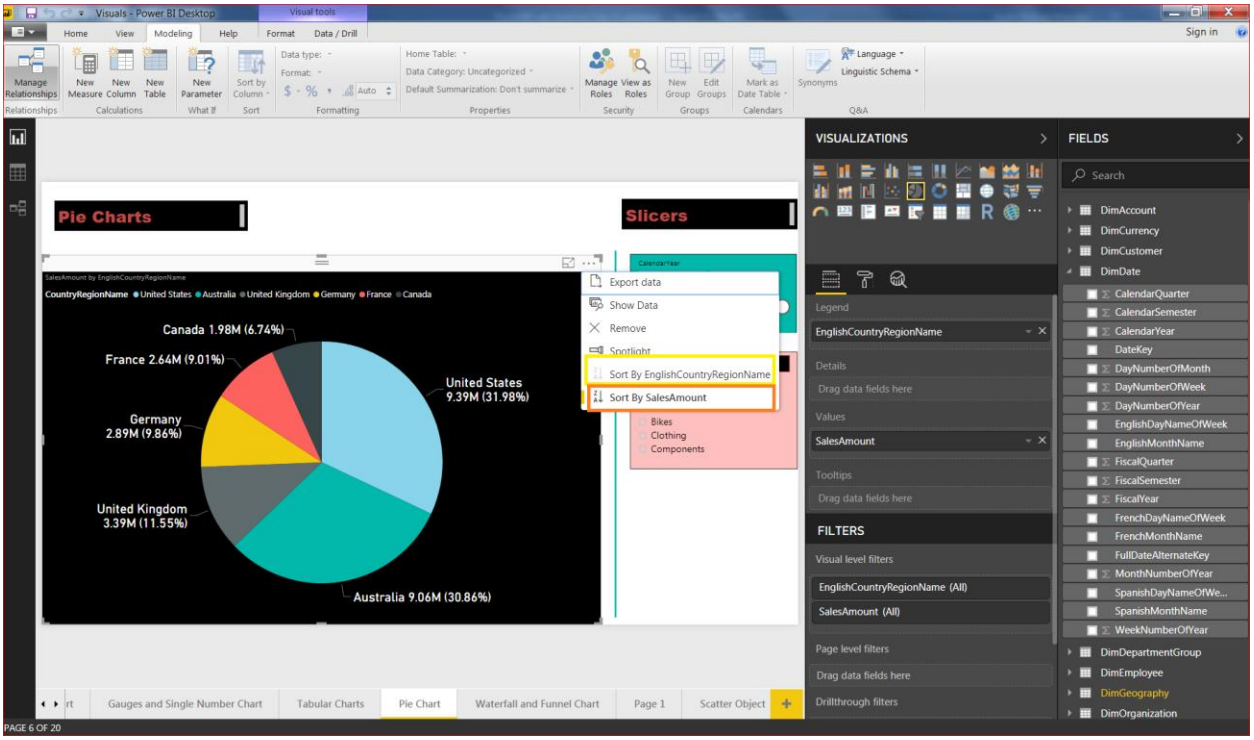
Now, we can see Month will looks in sorted order:



Use this option: Selecting the sort order - smallest to largest, largest to smallest in Visuals:

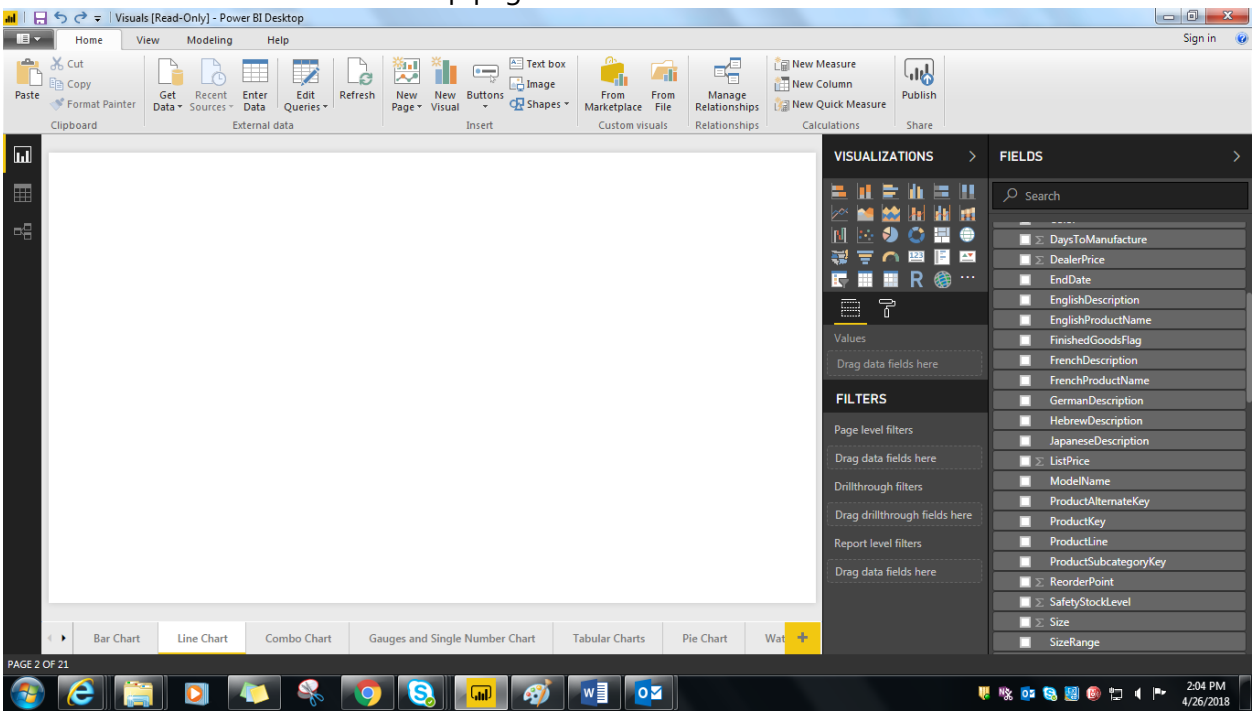


Click on eclipses(…..) and select appropriate column name to apply sorting:

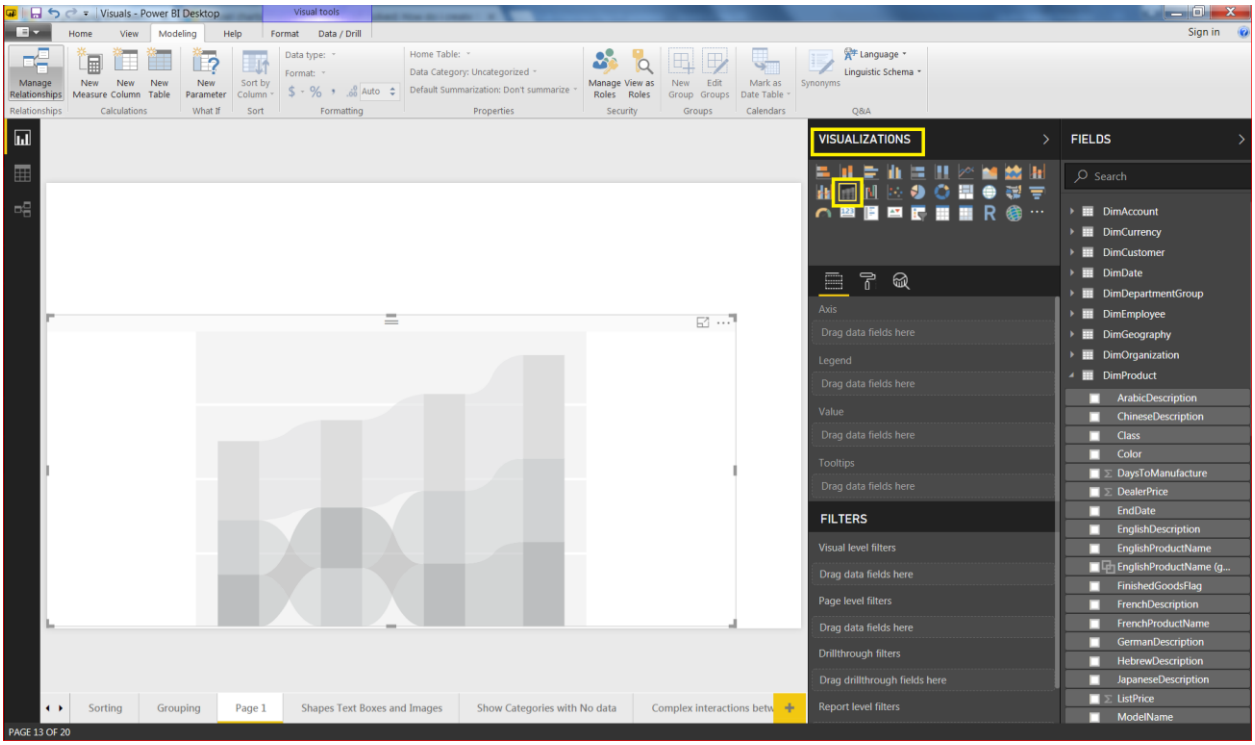


13. Grouping:

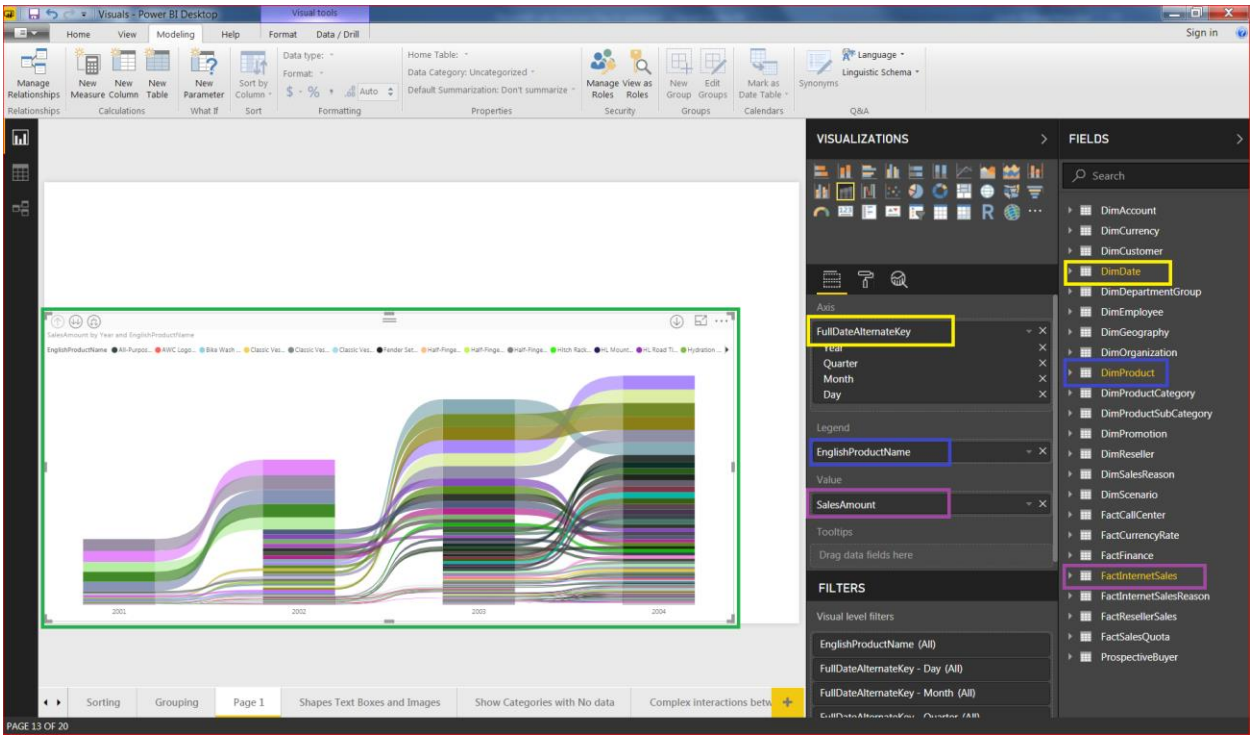
Start with a blank Power BI Desktop page:



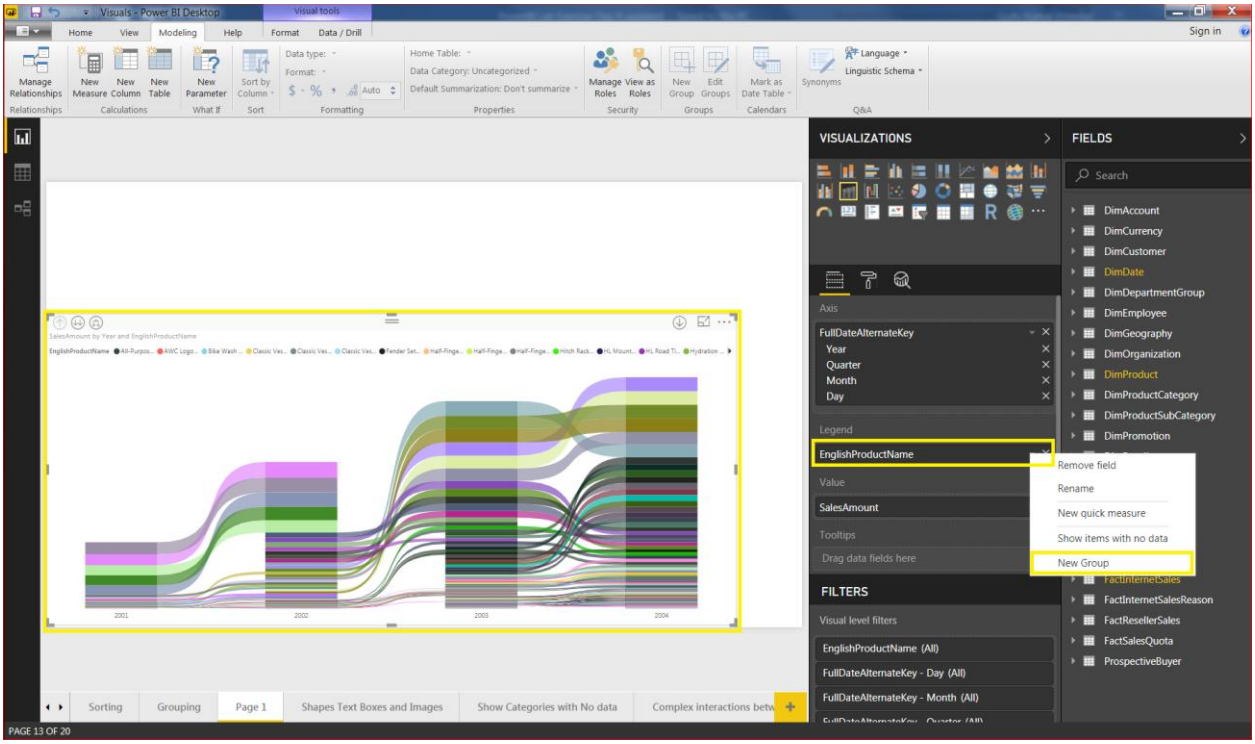
Go to Visualization and select “Ribbon Chart”

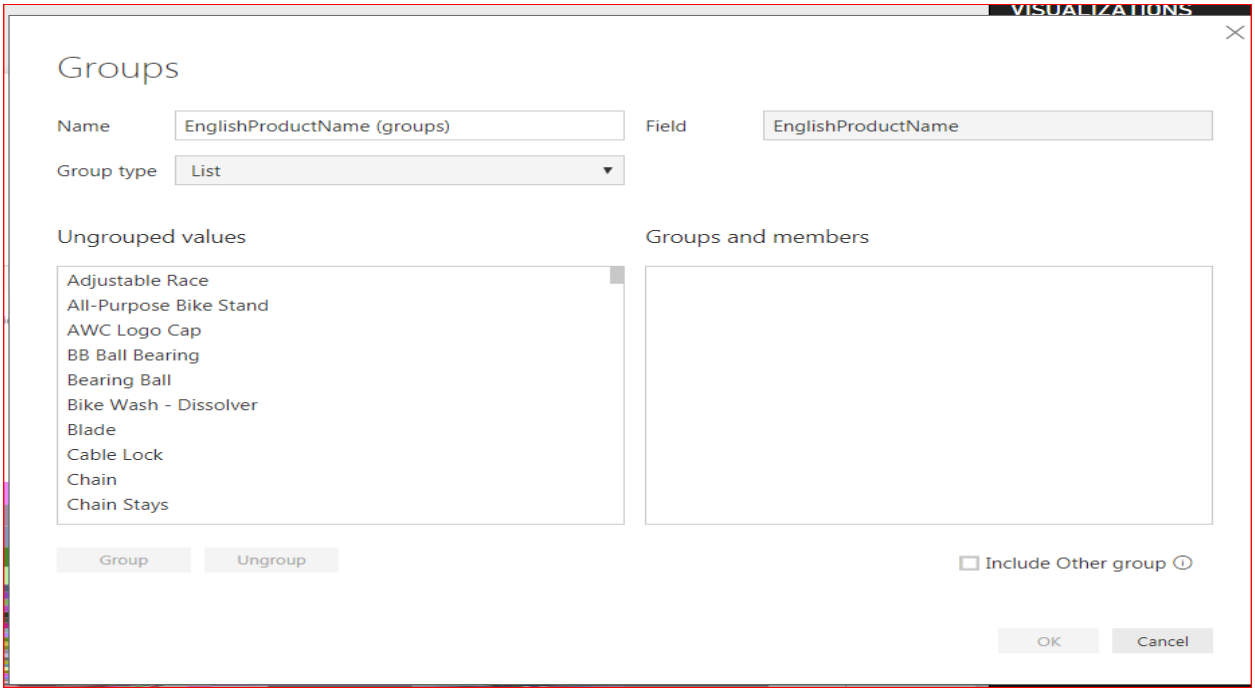


Choose the fields as follows as below:

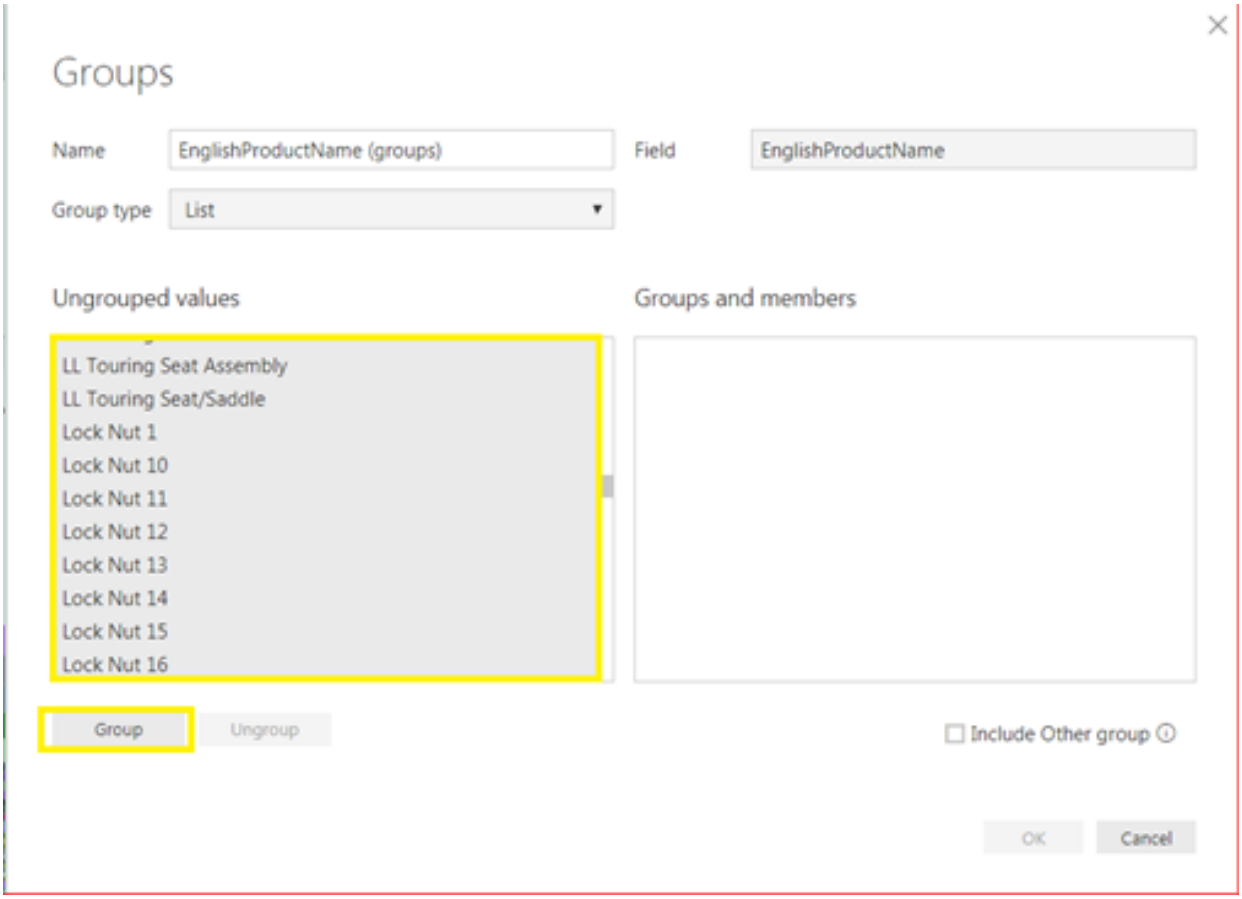


Create a “**Group”** on “EnglishProducatName”:

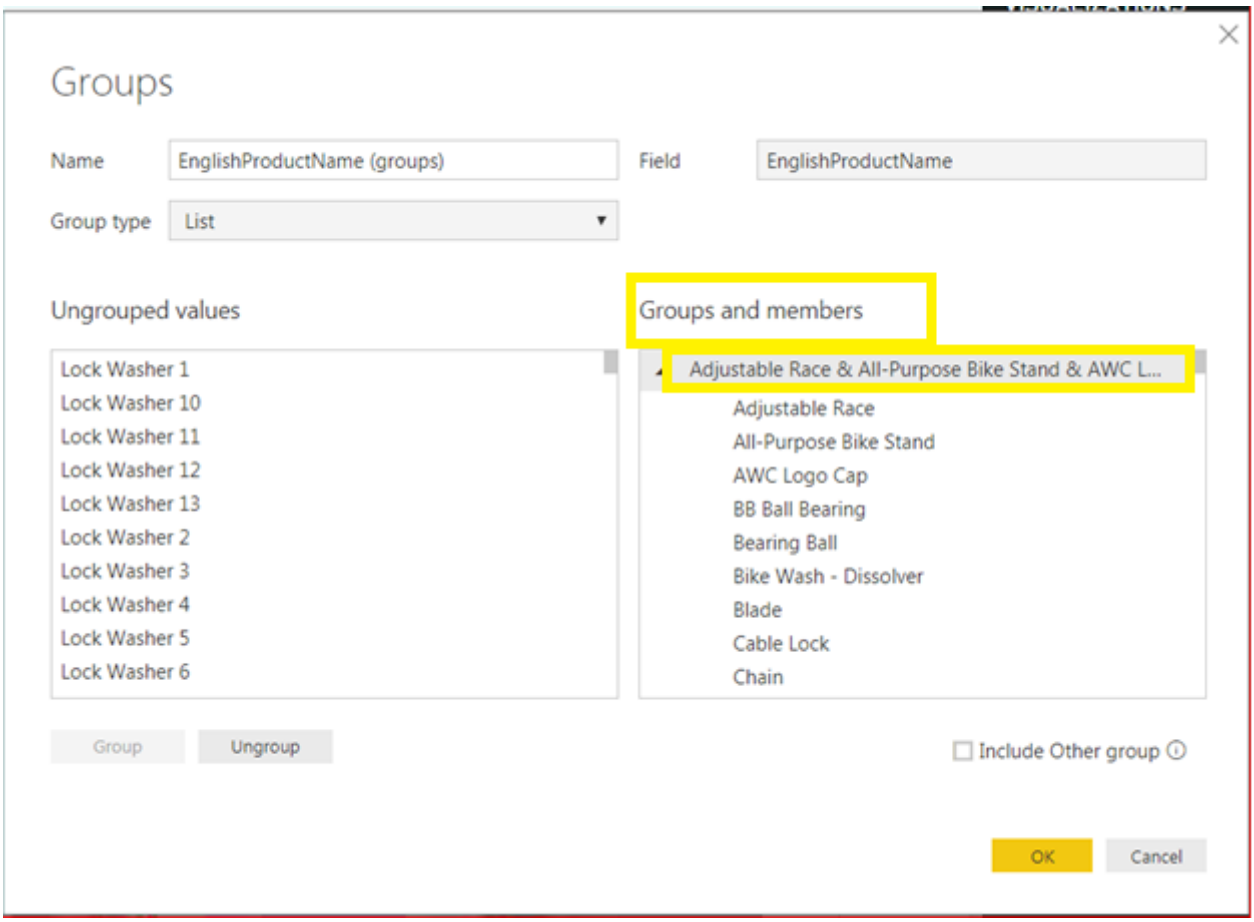




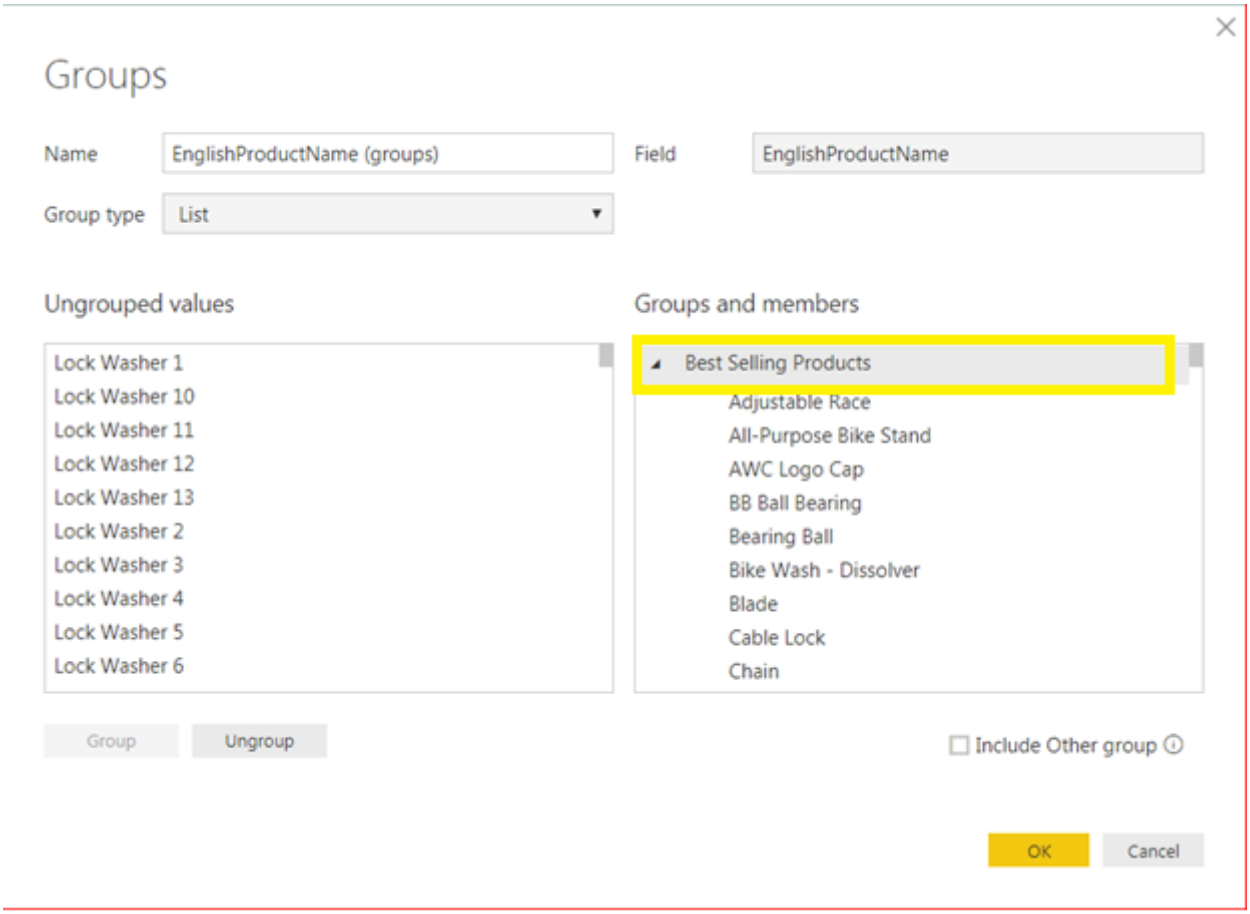
Select the values in “**Ungrouping**” to create a group:



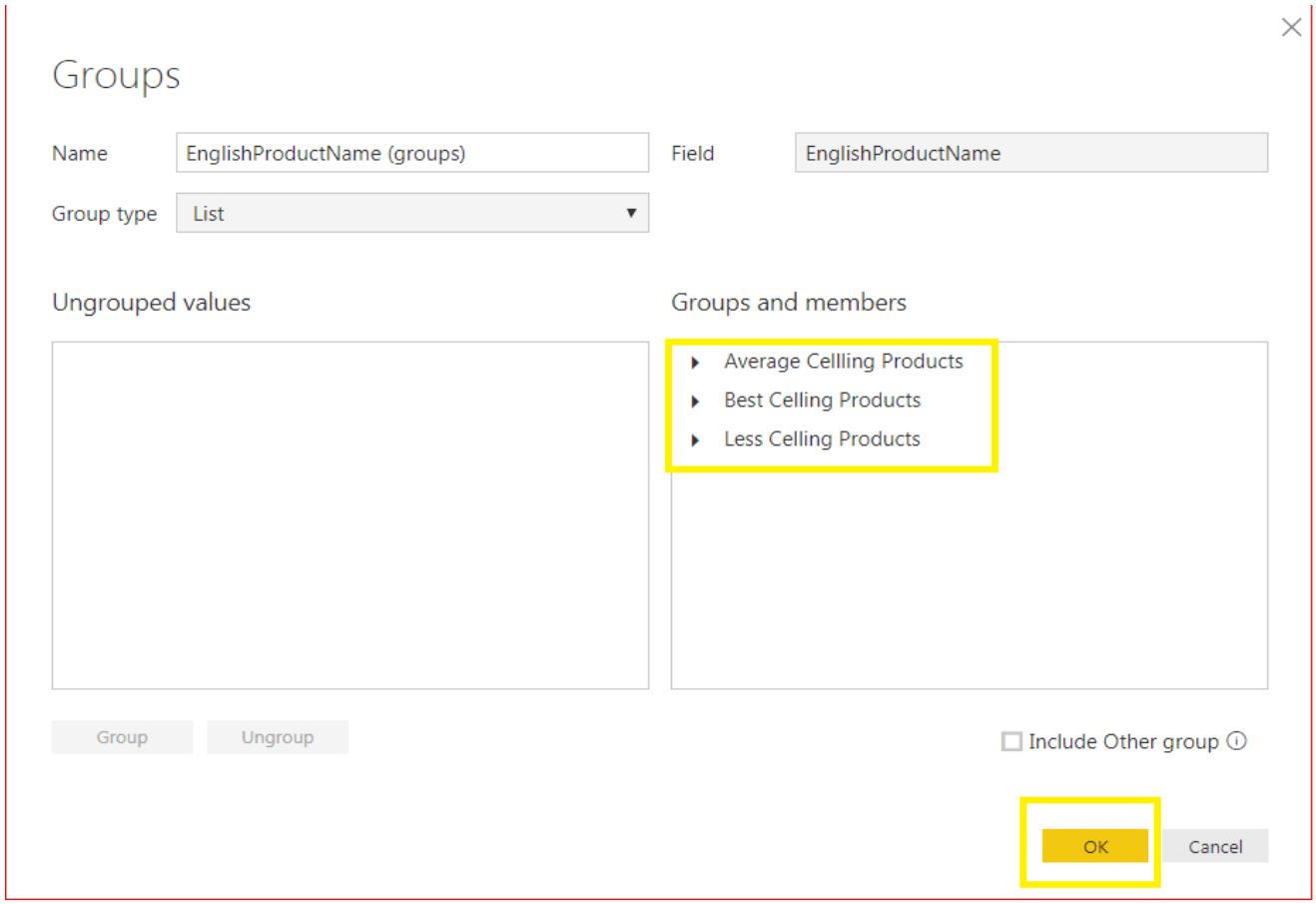
We will get new Group in "**Groups and members**":



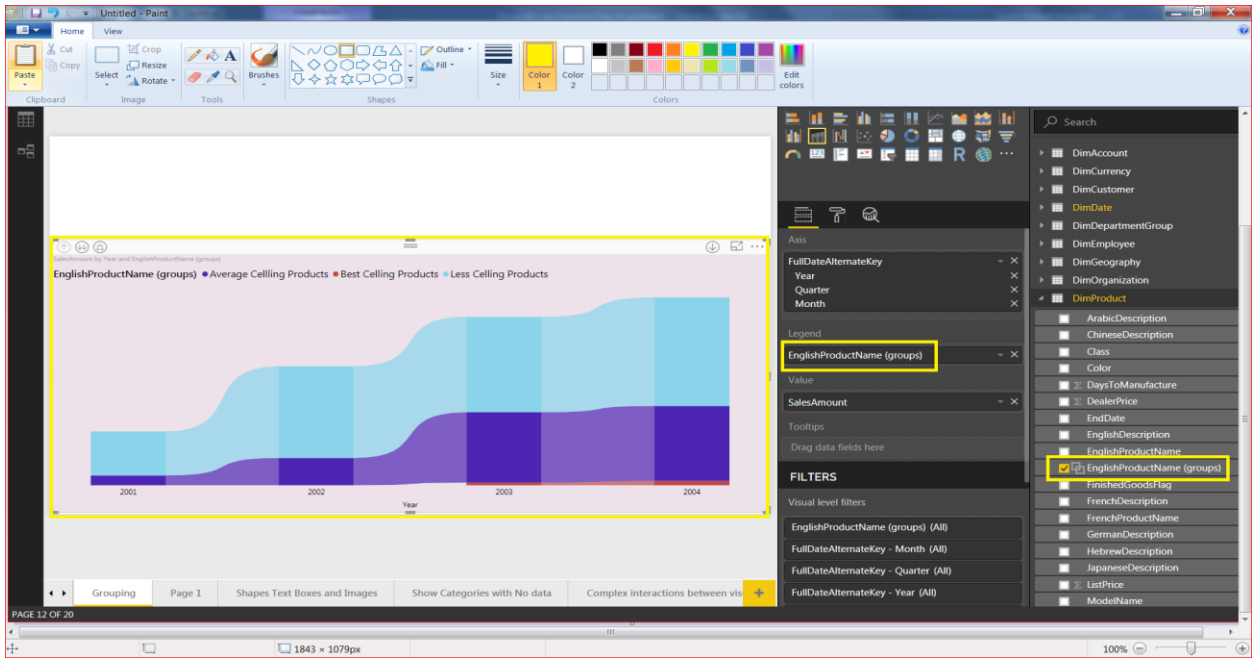
Rename the group as “Best Selling Products”:

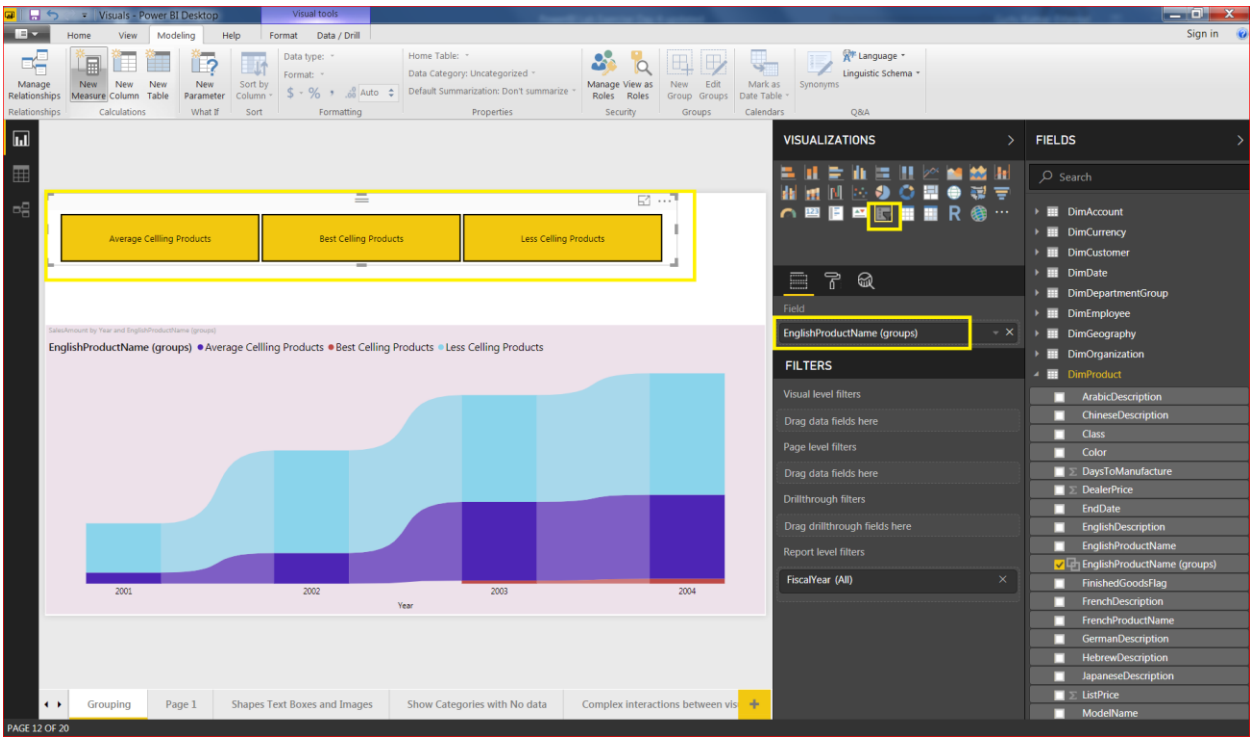


Similarly create 2 more groups: **Average Selling Products, Less Selling Products**



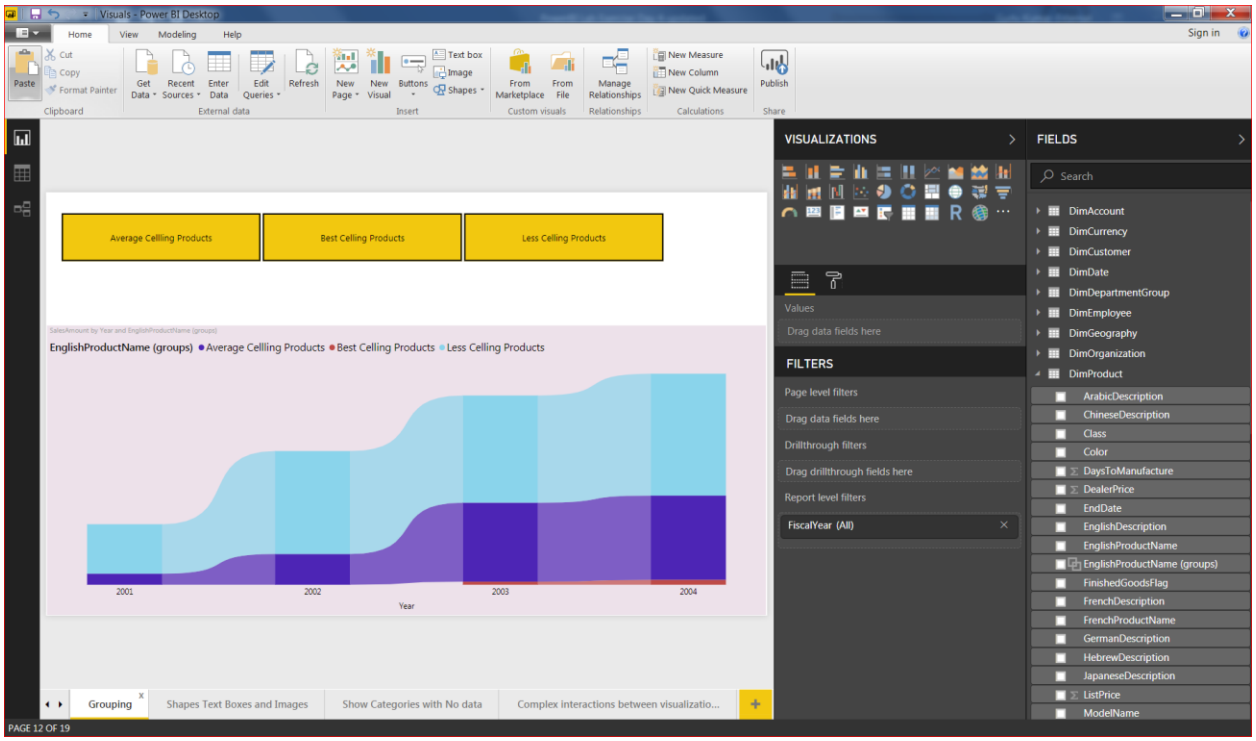
Use these 3 groups in Visuals as below: **Ribbon Chart, Slicer**





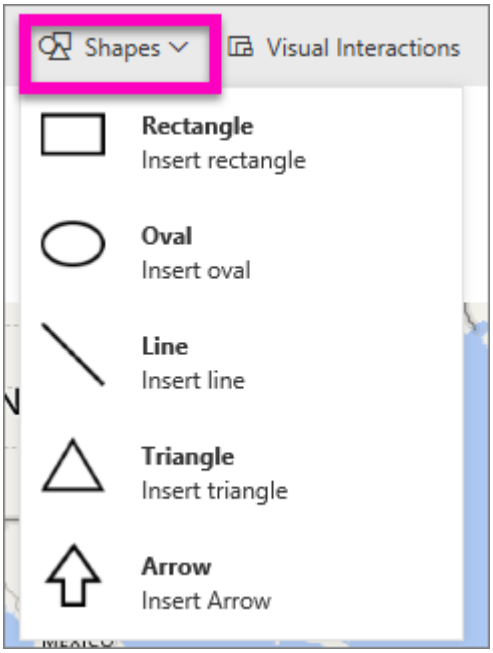
14. Shapes, Text Boxes and Images:

Use the same report:

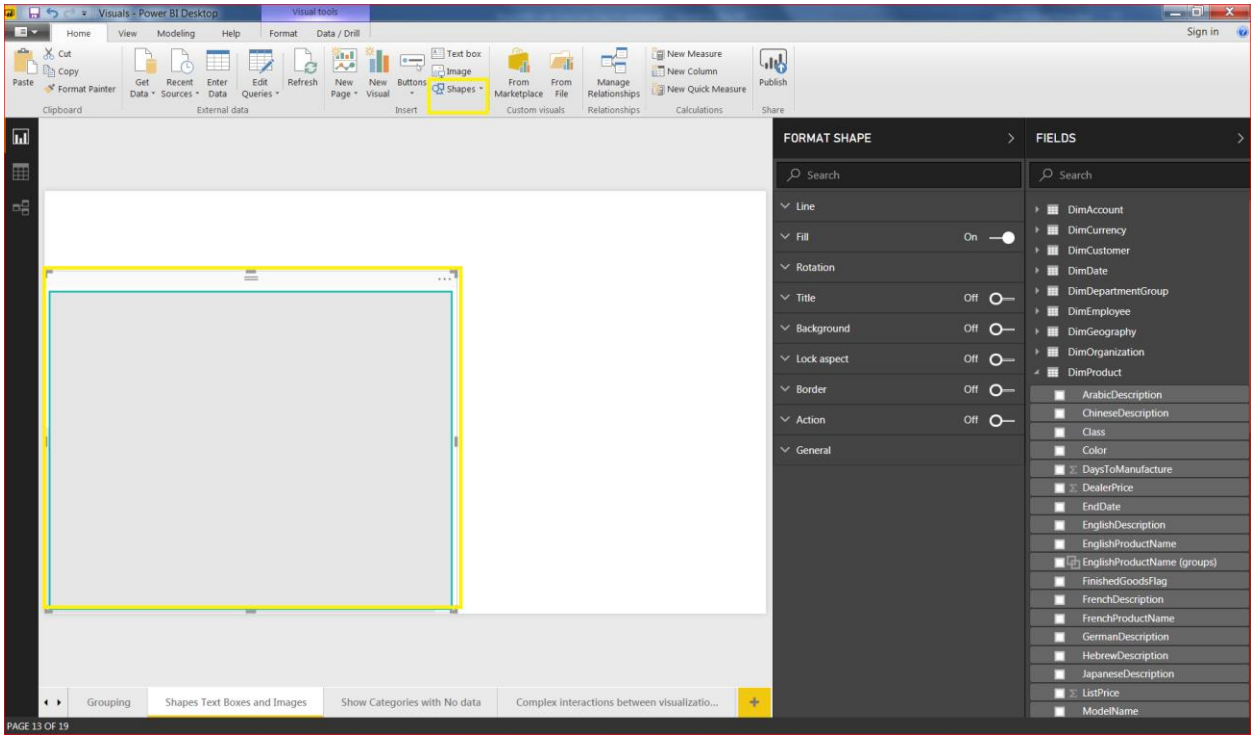


Add a shape to a report

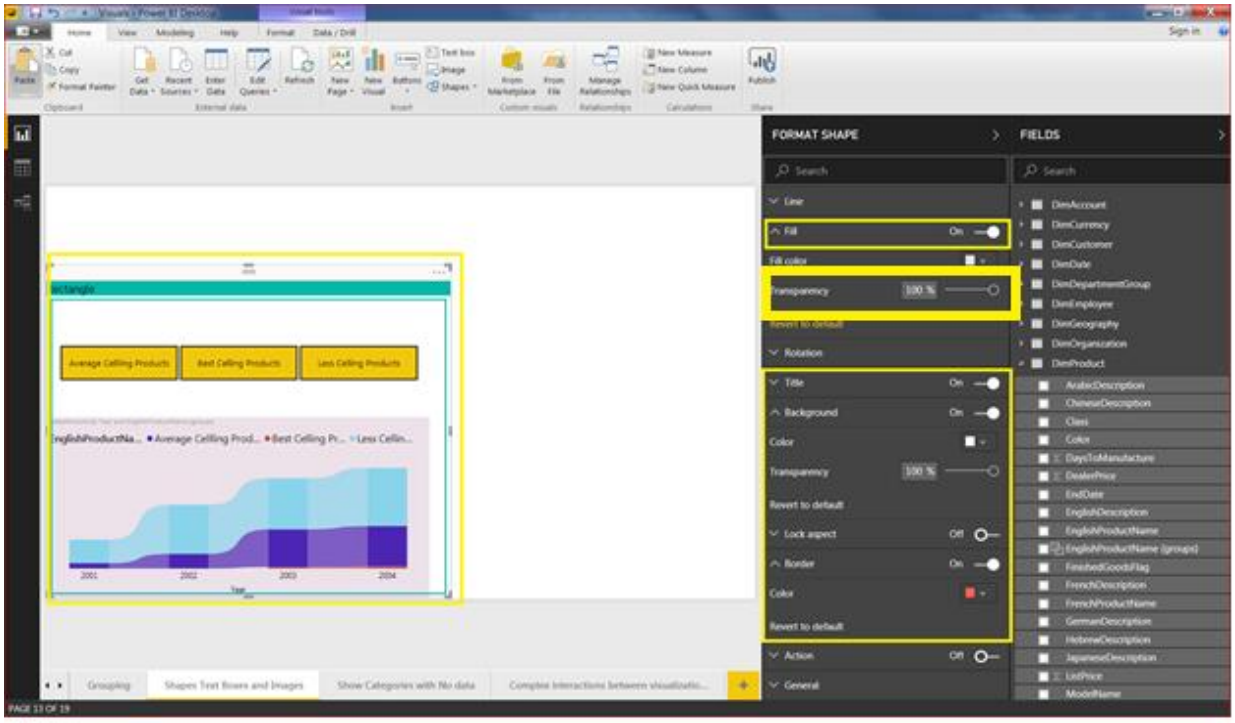
1. Place your cursor anywhere on the report canvas and select **Shapes**.



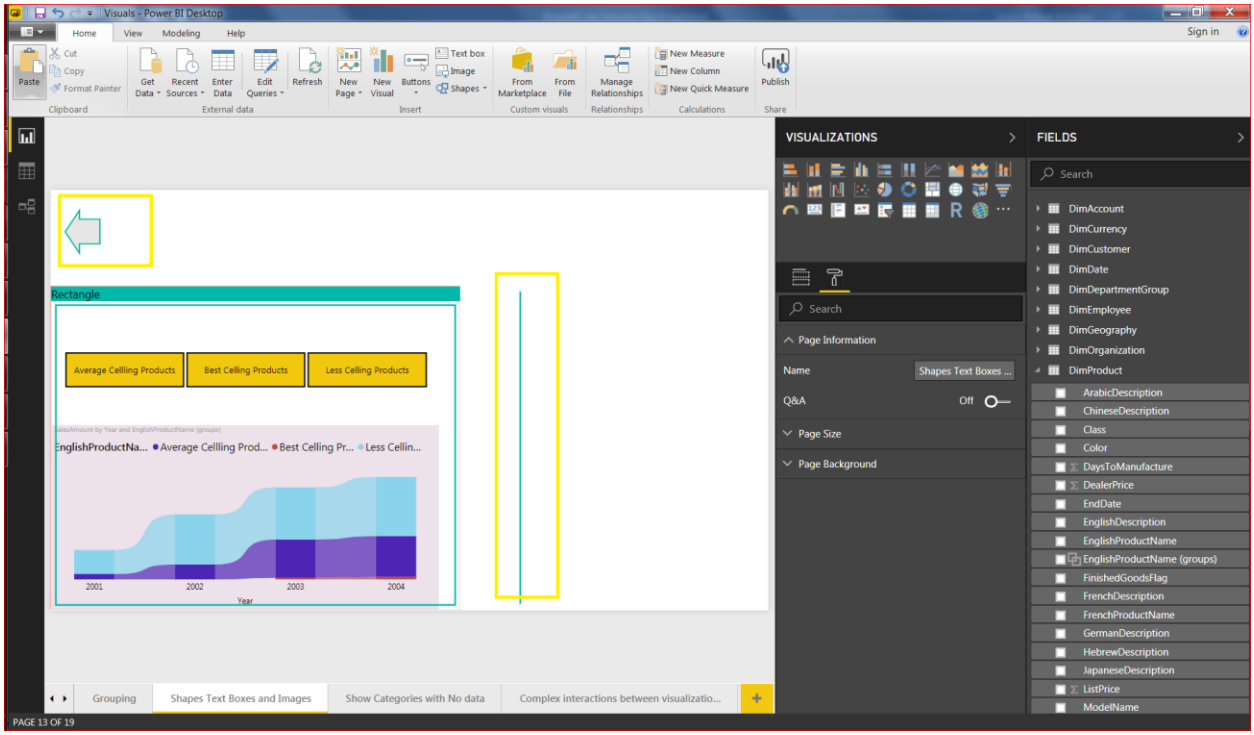
Select and bring "**Rectangle**" from Shapes:



Do some formatting like:

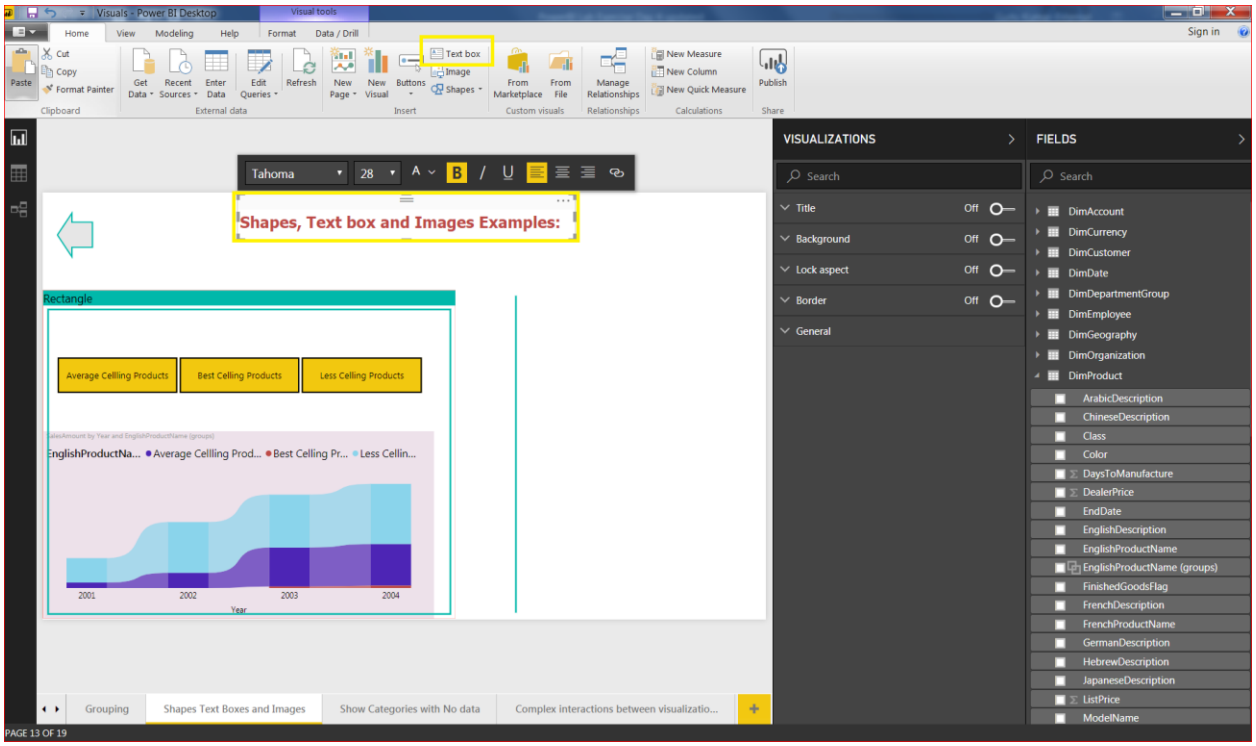


Use **Arrow and Line**



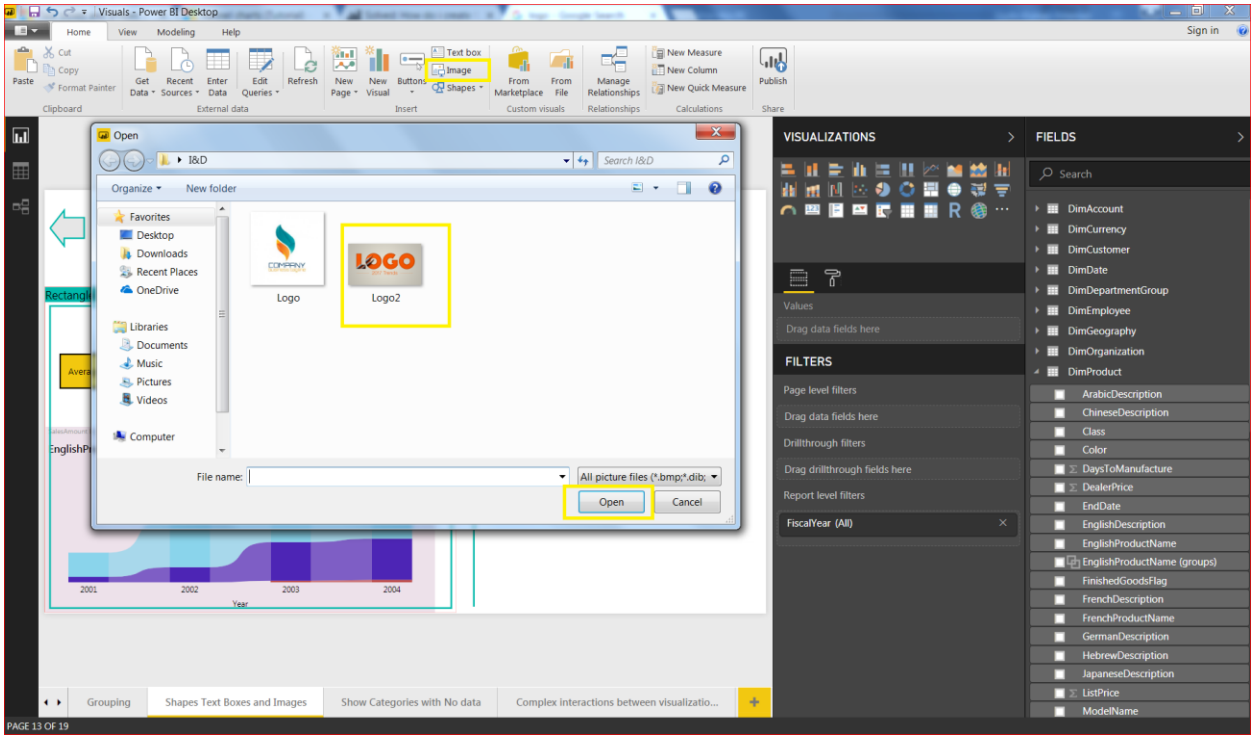
Add a Text box to a report

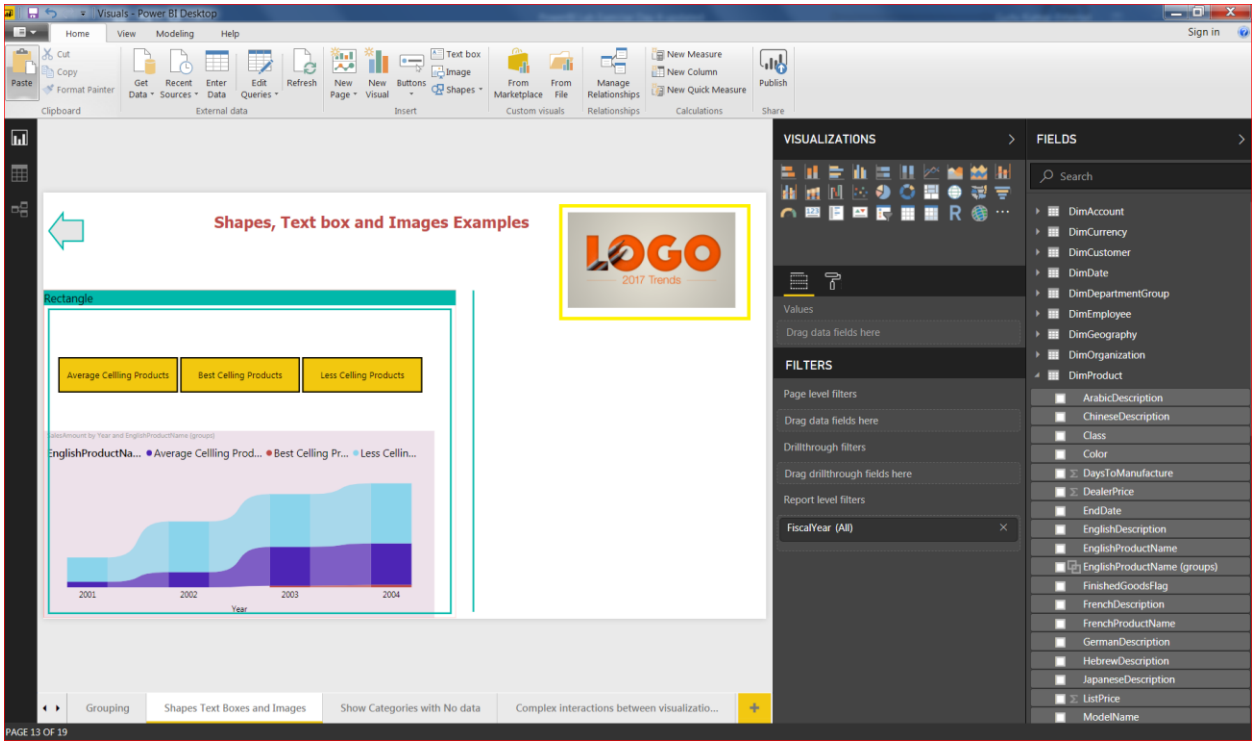
Use Text box for header and other purpose:



Add a Images to a report

Use for Logo or report purpose:


Visuals - Power BI Desktop
Open
Logo
Logo2
VISUALIZATIONS
FIELDS
FILTERS
Grouping
Shapes Text Boxes and Images
Show Categories with No data
Complex interactions between visualizatio...
PAGE 13 OF 19


Visuals - Power BI Desktop
Shapes, Text box and Images Examples
Rectangle
Average Cellling Products
Best Celling Products
Less Celling Products
VISUALIZATIONS
FIELDS
FILTERS
Grouping
Shapes Text Boxes and Images
Show Categories with No data
Complex interactions between visualizatio...
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15. Bookmarks and Selection Panes:

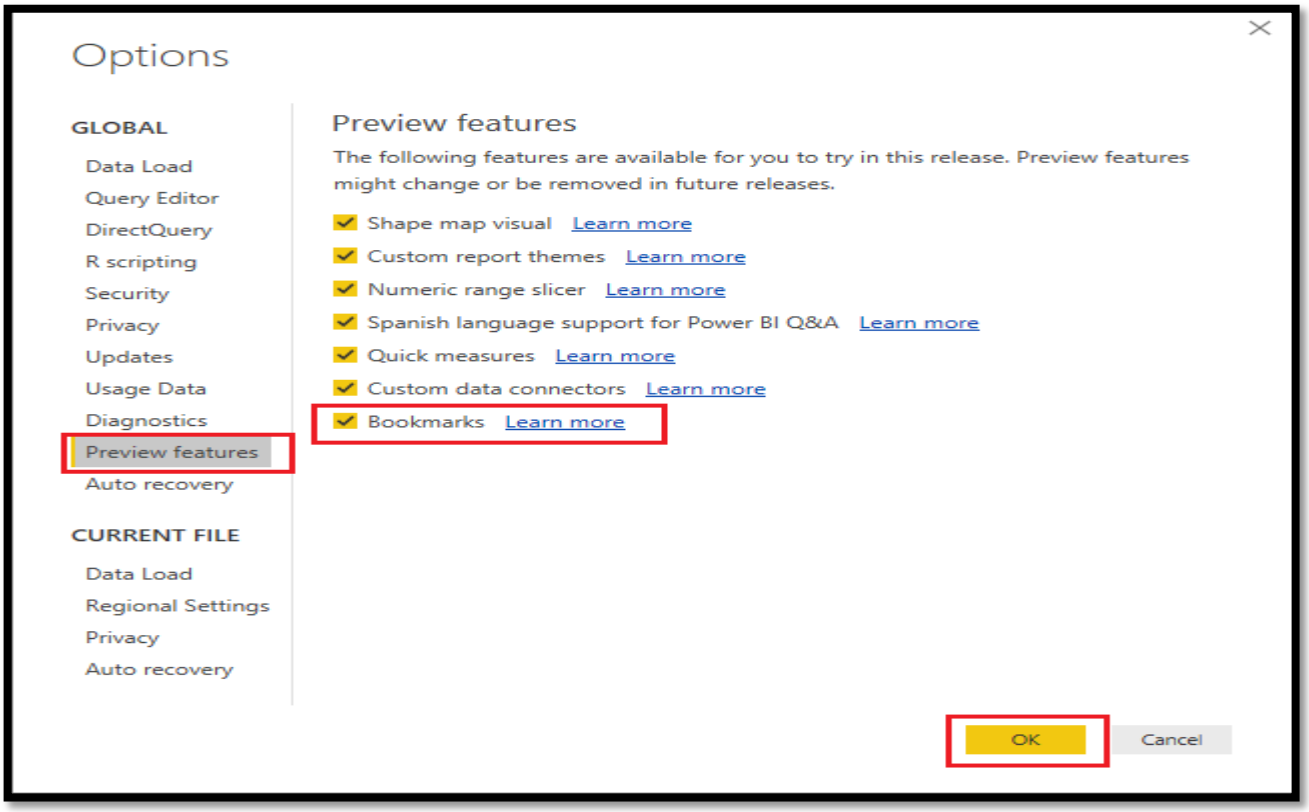
Prerequisites to enable this feature

- Latest version of Power BI Desktop
- Enable Preview Feature for bookmark

Step 1

Make sure the Bookmark Preview feature is enabled. To check, go to File > Options and Setting > Option > Preview Feature > Bookmark.

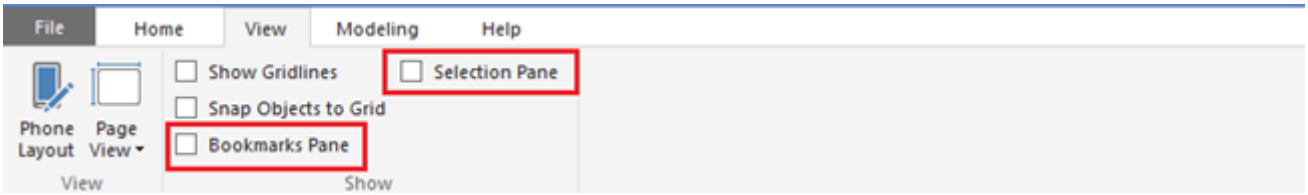
Make sure that the "Bookmarks" option is checked.



Step 2

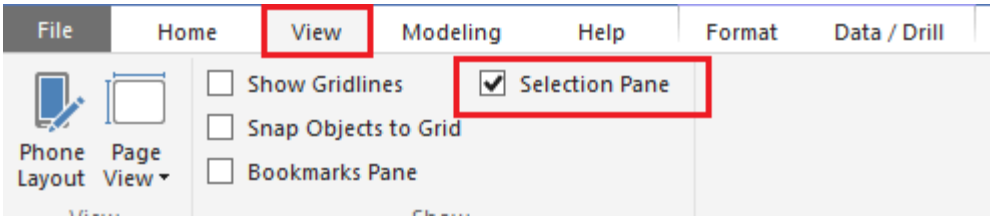
If we have enabled this option, it provides us two panes under View option.

1. Bookmark Pane
2. Selection Pane

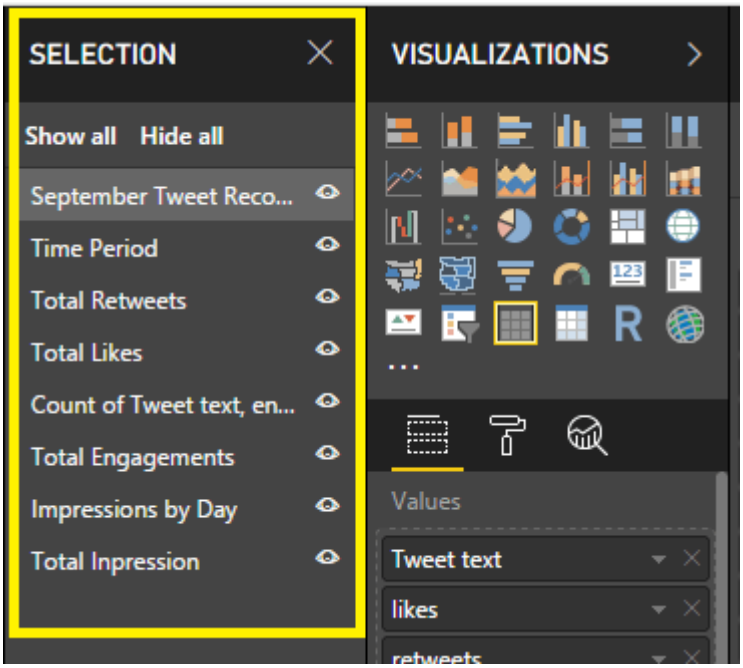


Step 3

Go to View > Check "Selection Pane".



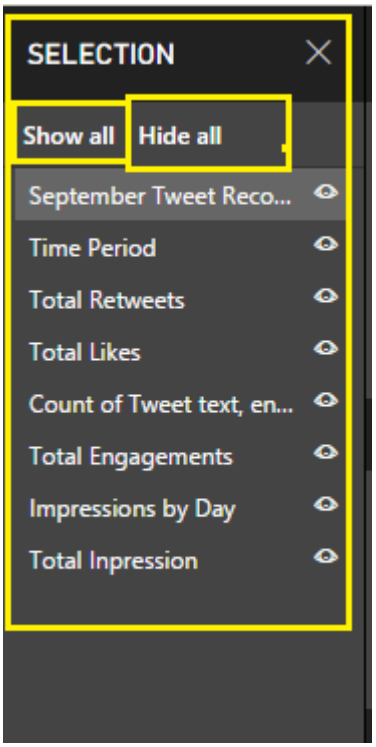
It will add the Selection pane just after the Visualizations tab.



Step 4

If we observe, the selection pane has two options.

- Show All – Used to show all visuals
- Hide All – Used to hide all visuals
- Along with this, it is showing all available visuals with visibility (glass icon right side) – We can hide specific visuals using this glass icon.

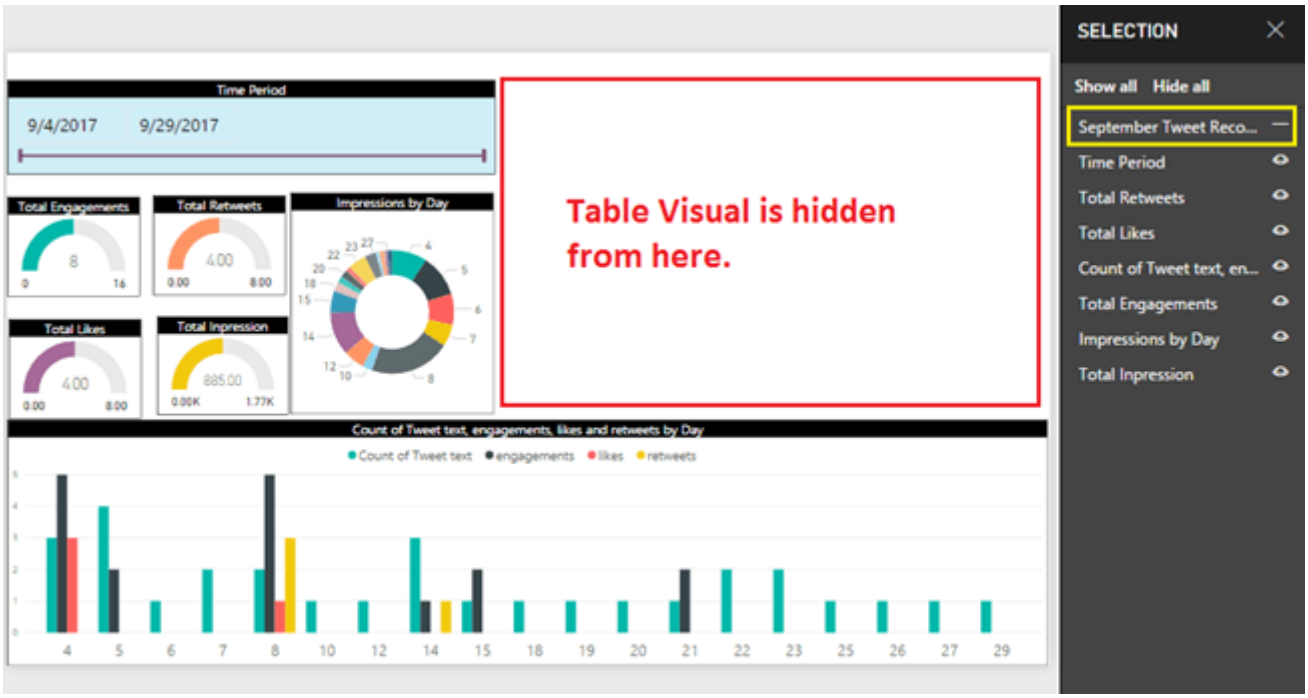


Step 5

Now, I want to hide the able visual.

So, I will close visibility icon of “September Tweet Records”. So, my table visual is now in hidden mode and my glass icon is converted into minus (-) icon.

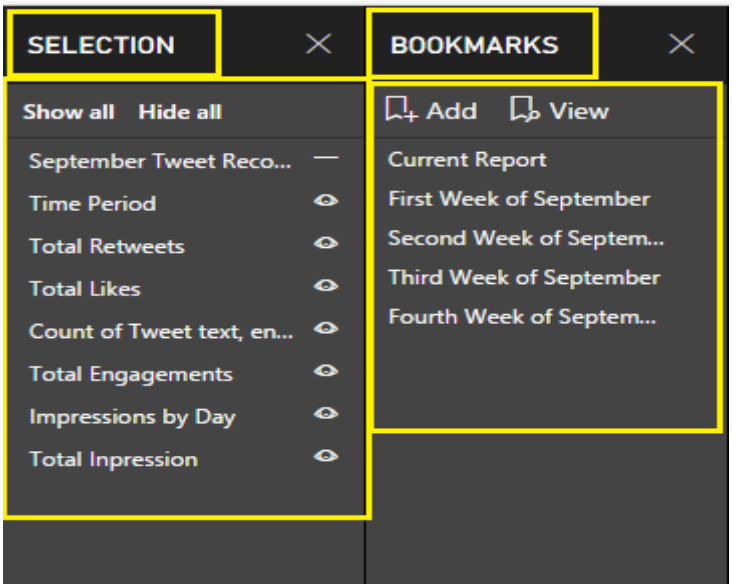
If we want to show it again, click on (-) icon. The visual will appear.



Step 6

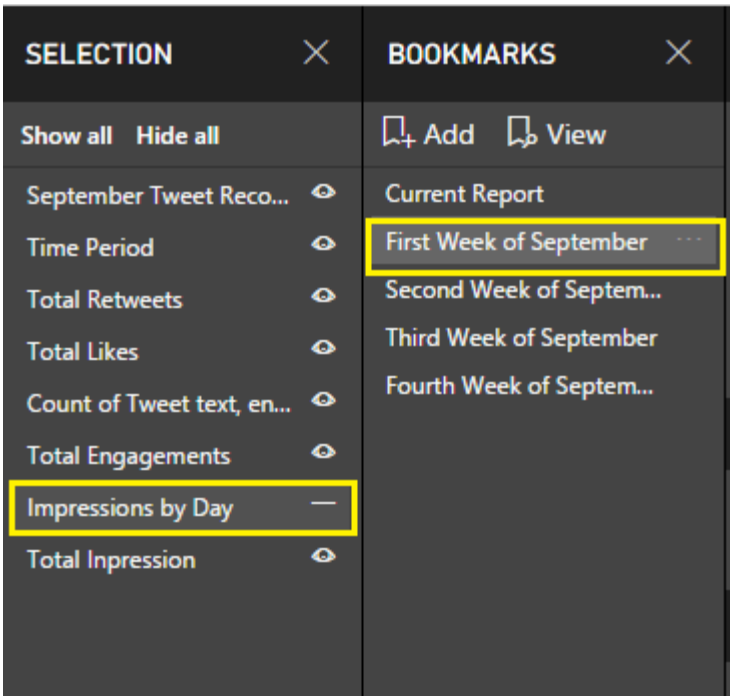
For better understanding and use of this Selection pane feature, let's combine this feature with Bookmarks pane. Power BI shows Selection pane with all available visuals for each bookmark.

For every bookmark, we can hide and show visuals.

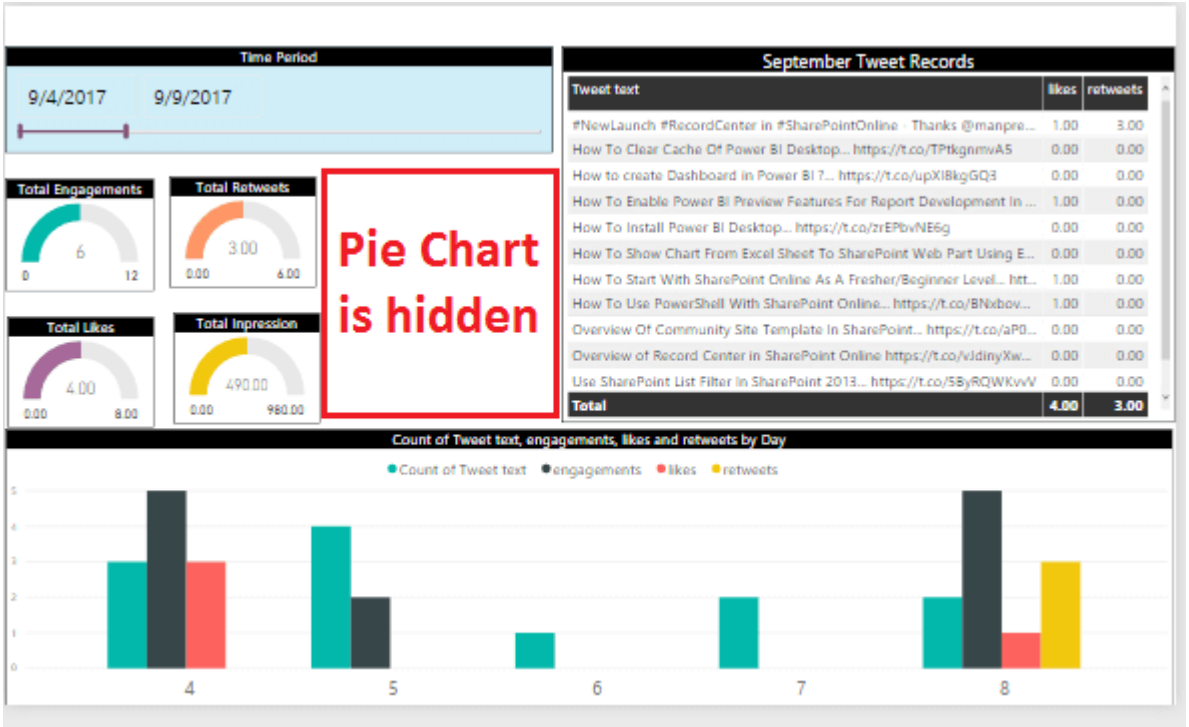


Step 7

Now, for the first bookmark, let's hide the table visual.



For the second bookmark, let's hide pie chart.



Remember: For each bookmark, it will not remember its previous state which means if we move to the next slide, the previous slide's visuals are automatically shown.

Step 8

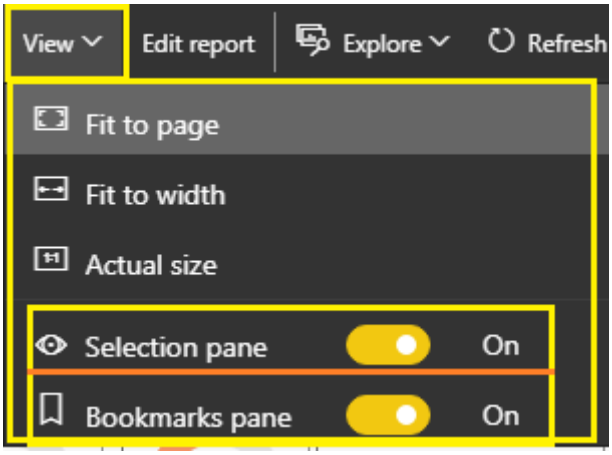
Selection Pane remembers its state at page level.

Bookmark pane remembers its state at page level as well as at the report level.

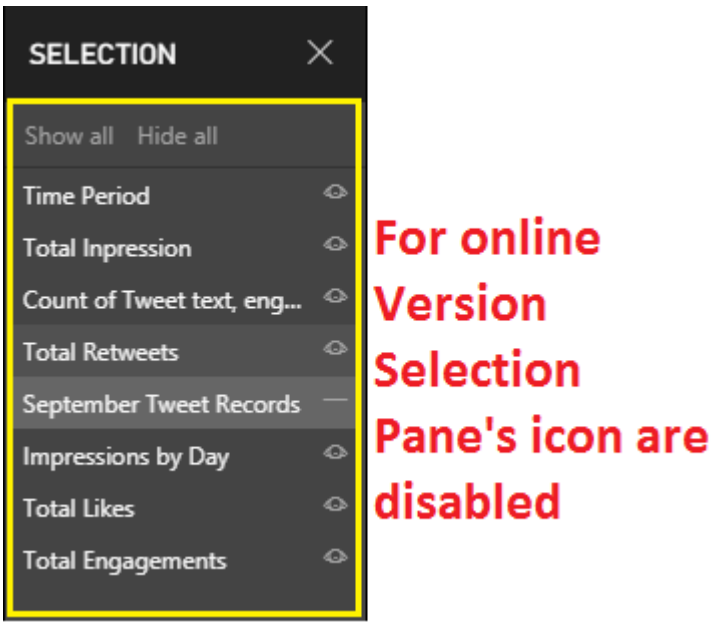
Step 9

Let's publish a report. Now, let's enable bookmark pane in Power BI published report.

Click View > Enable Selection Pane.

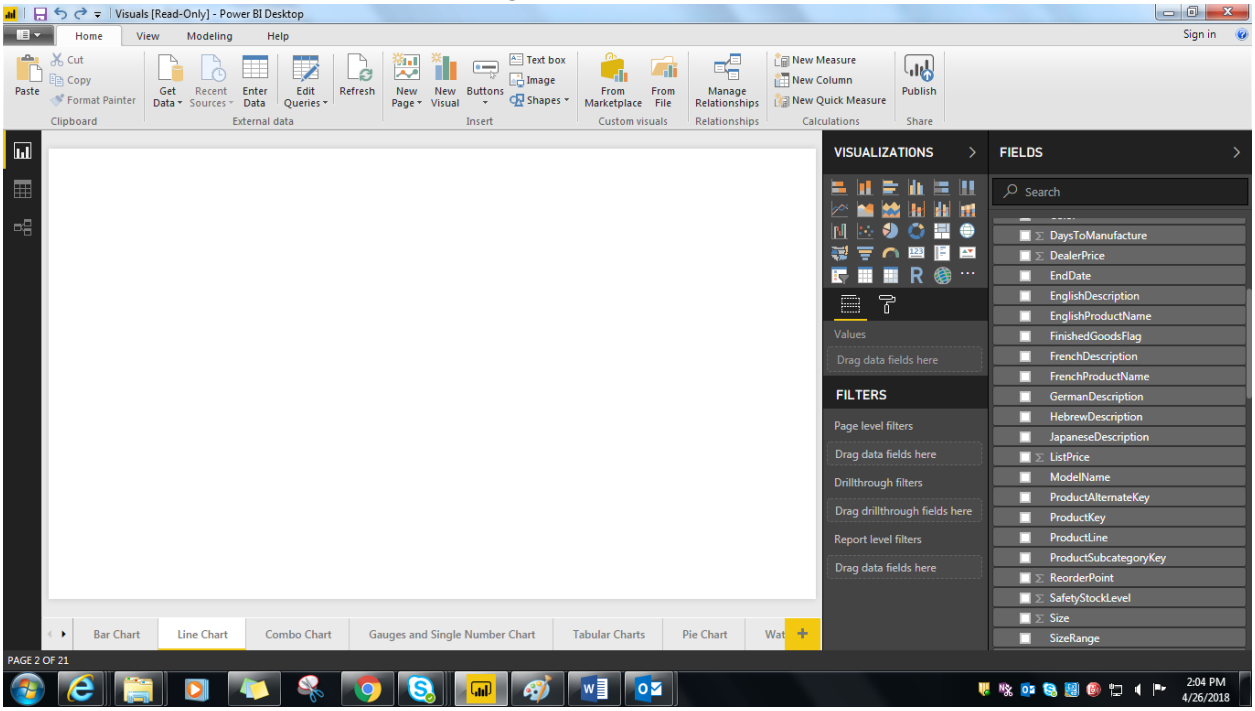


It will add a Selection pane. But here comes one limitation that I face, i.e., it will not provide the feature of show or hide visuals after publishing a report.

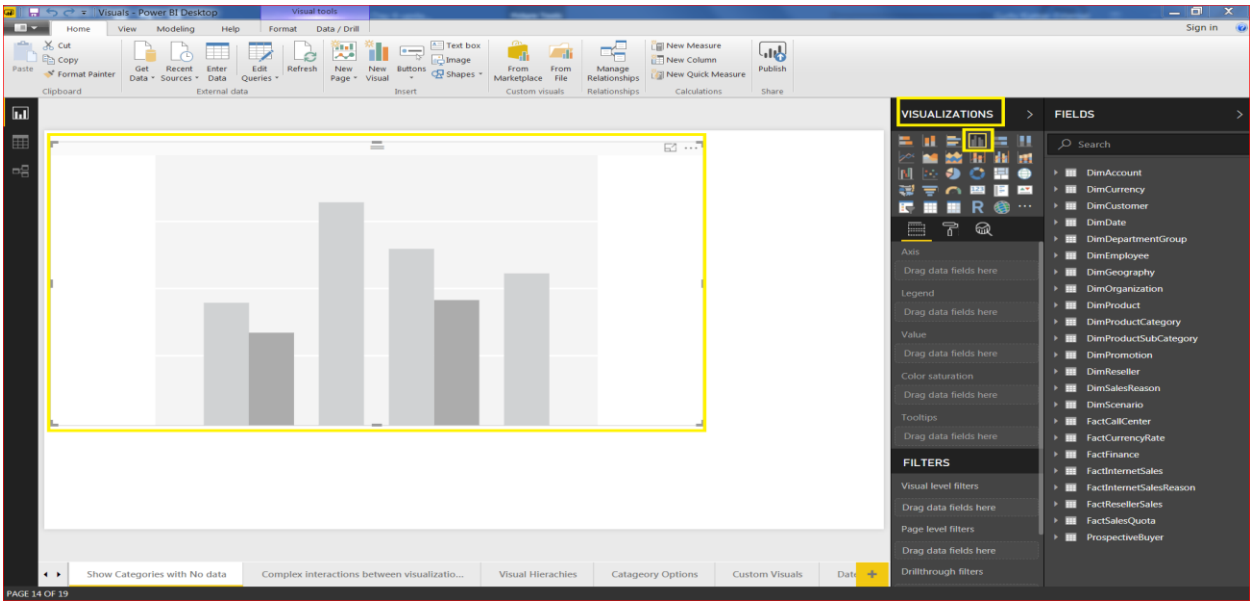


16. Show Categories with No data:

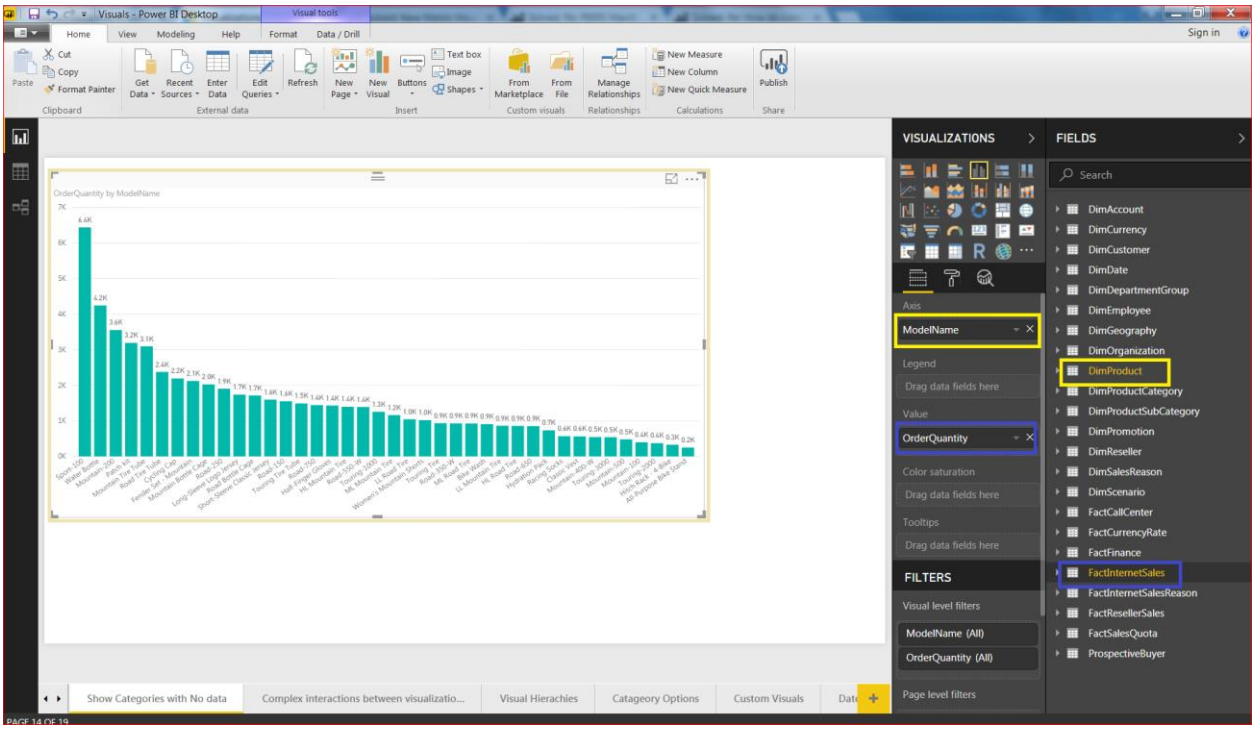
Start with a blank Power BI Desktop page:



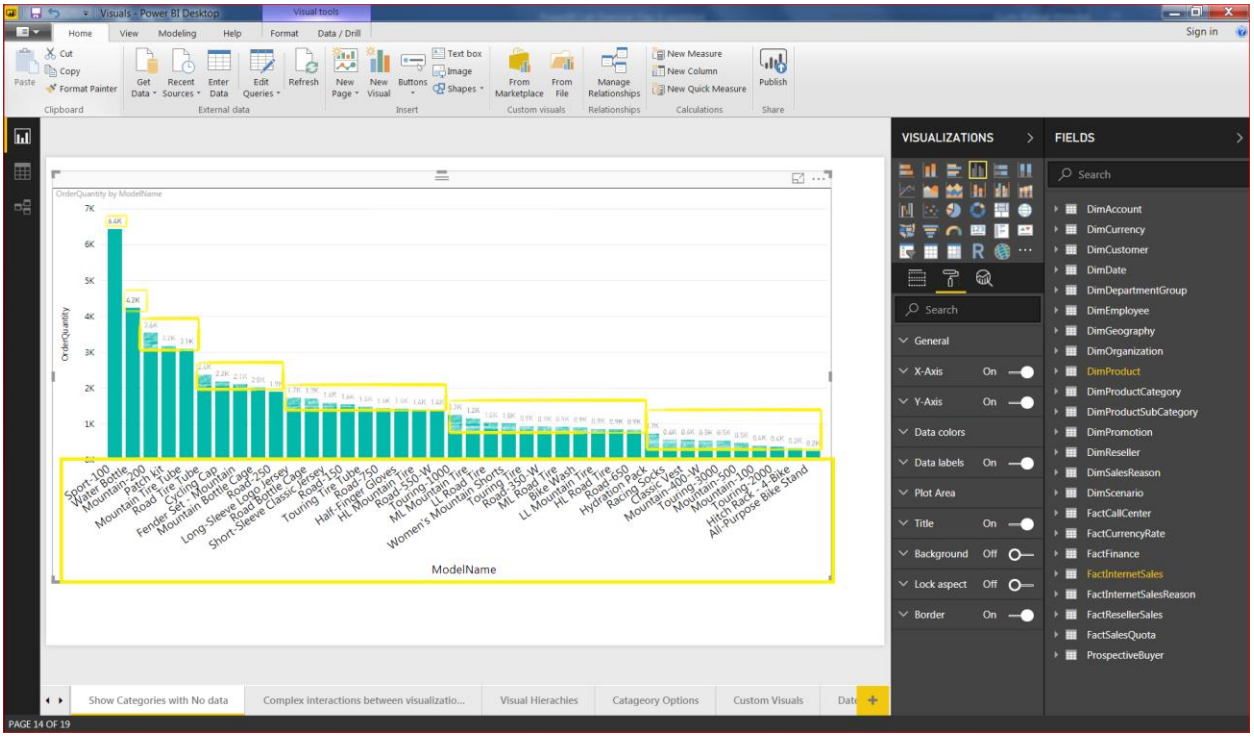
Go to Visualization and select “Clustered Column Chart”:



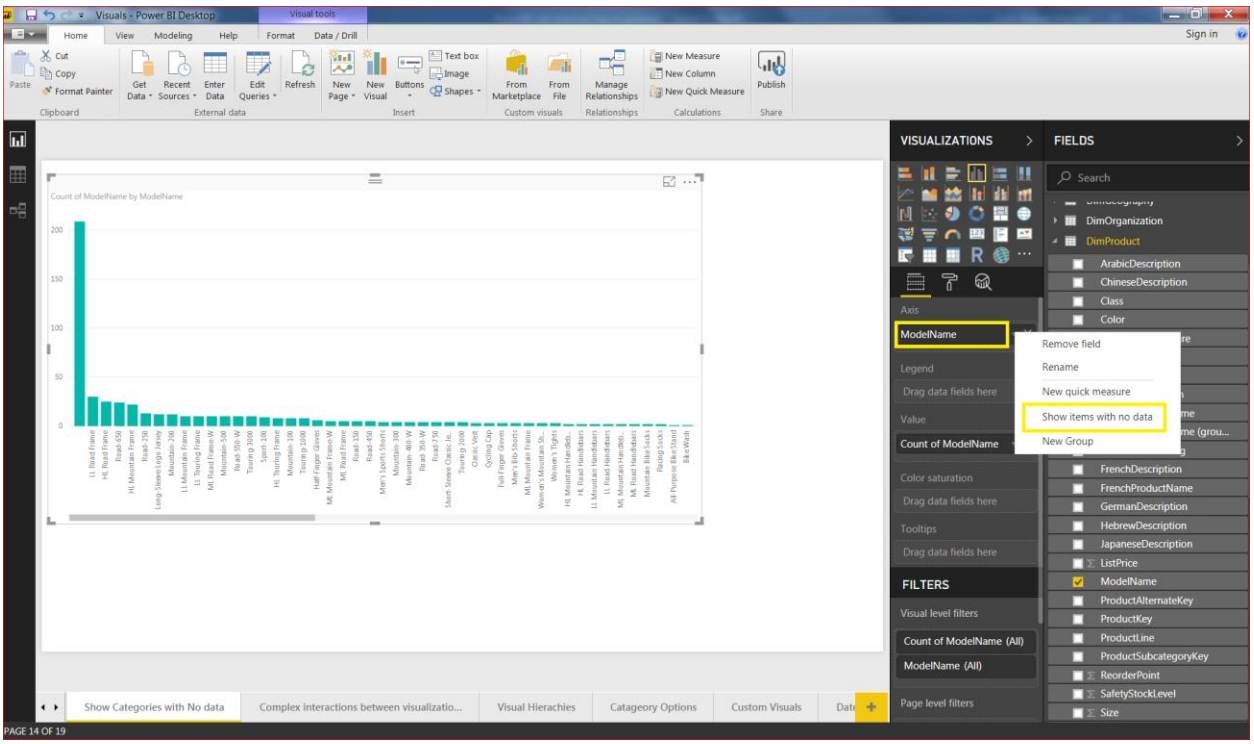
Choose the fields as follows as below:



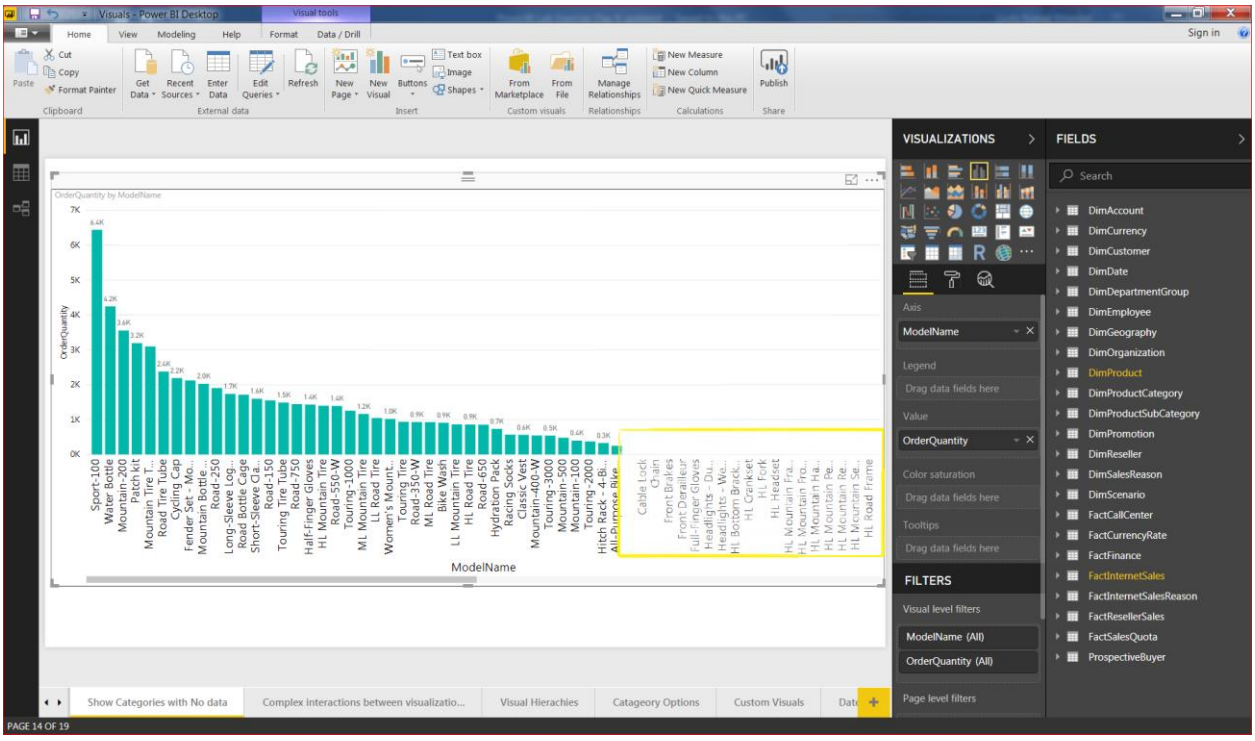
We can see there are no ModelName in X-Axis with zero values:



Go to Axis and click on ModelName column and select “Show Items with no data”:

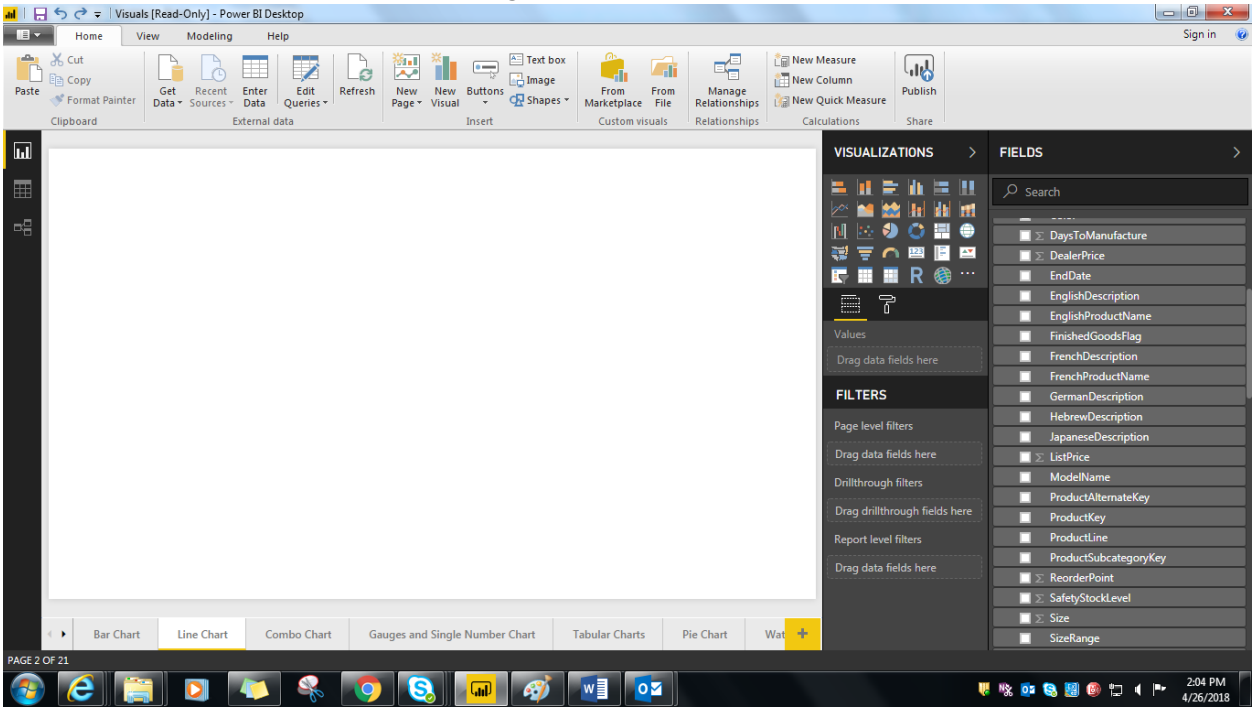


After setting this property we can see there are some Models with no values:

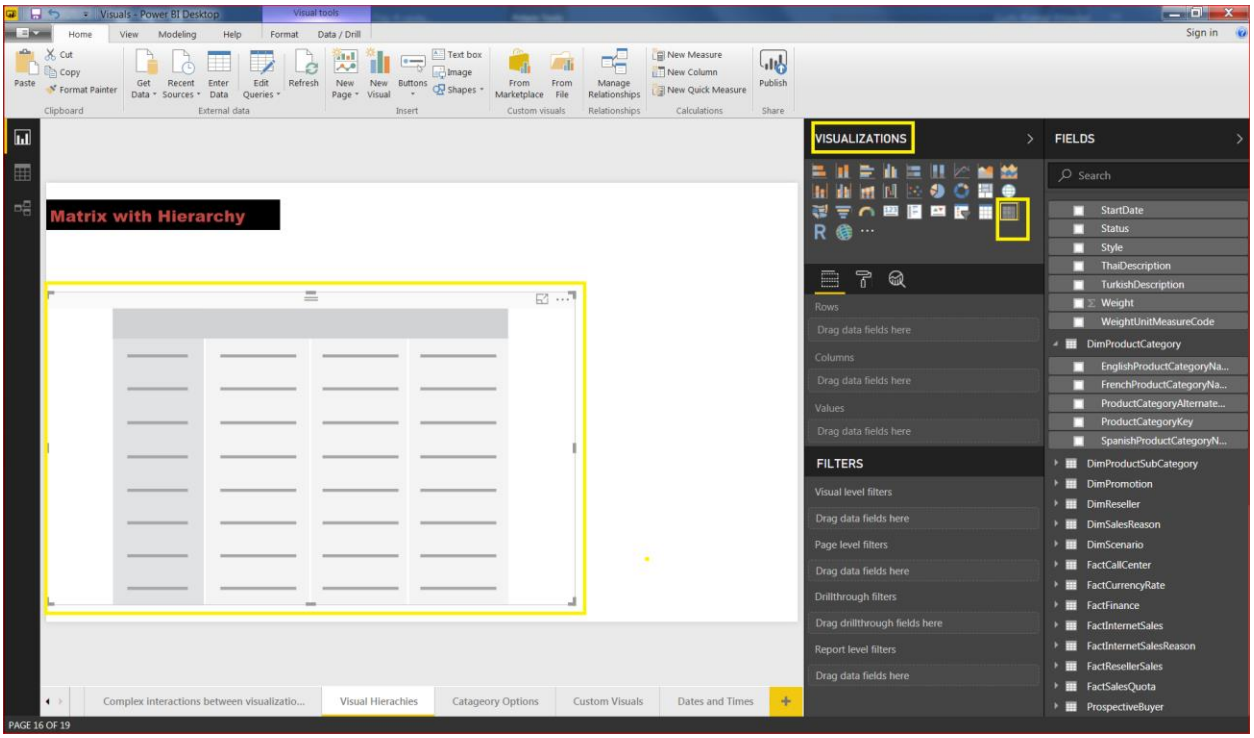


17. Visual Hierarchies:

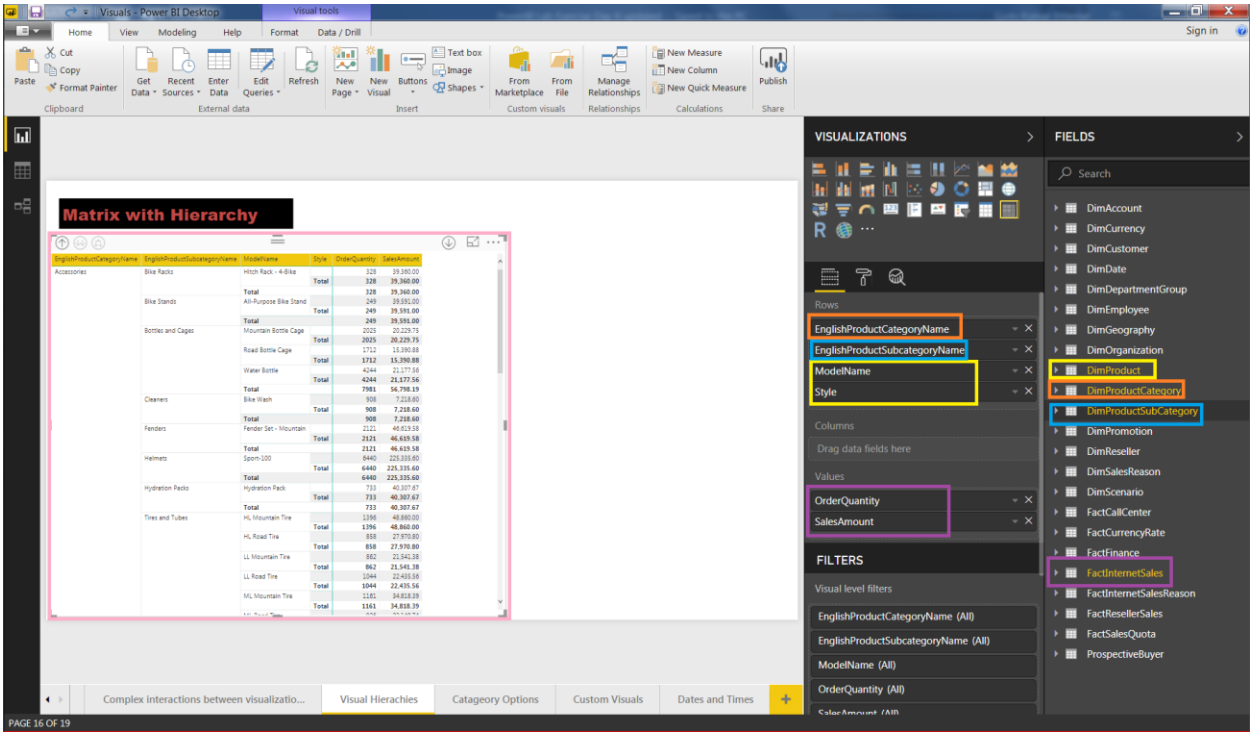
Start with a blank Power BI Desktop page:



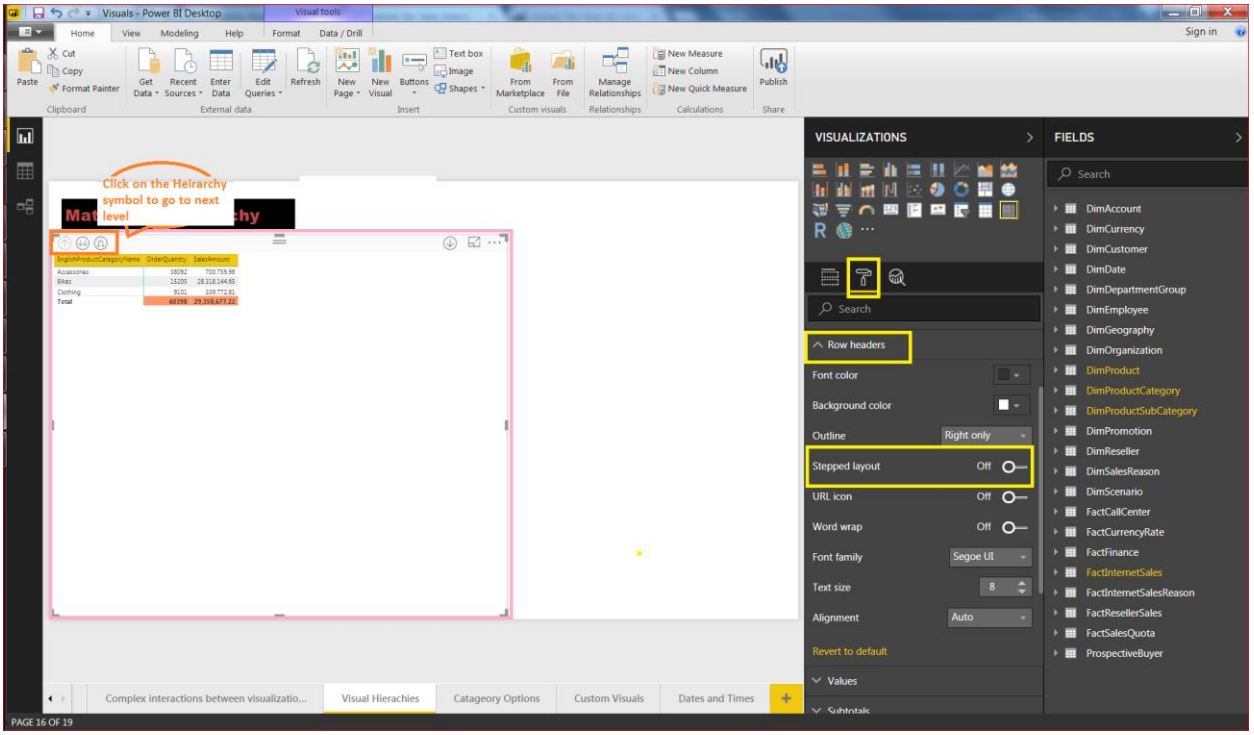
Go to Visualization and select “Matrix”:



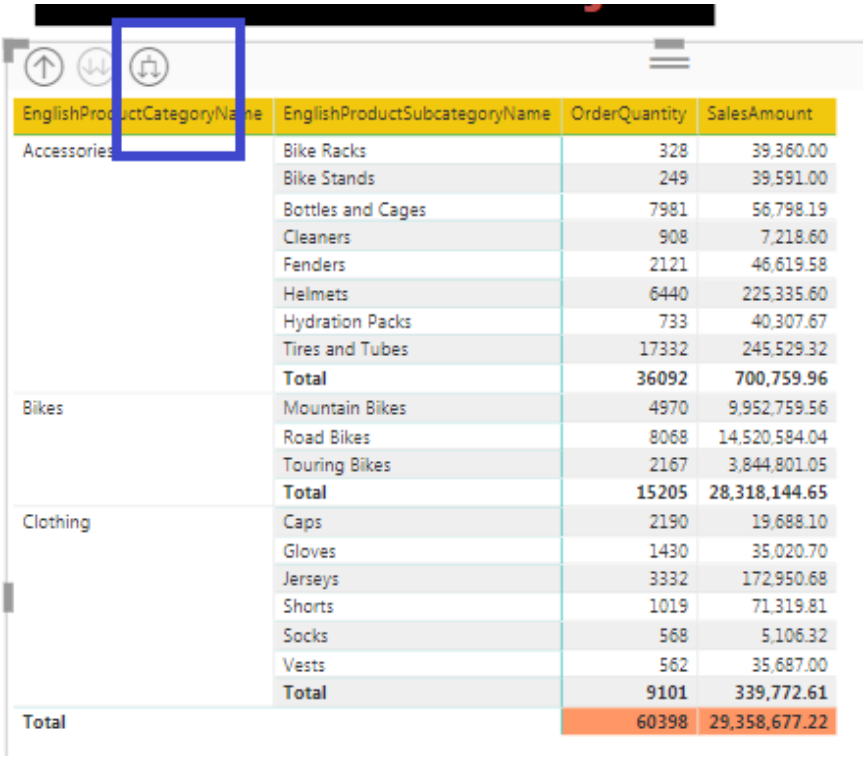
Choose the fields as follows as below:



Go to format and set off to "**Stepped Layout**":



Click on the highlighted Heirarchy symbol to go to next level:



EnglishProductCategoryName	EnglishProductSubcategoryName	OrderQuantity	SalesAmount
Accessories	Bike Racks	328	39,360.00
	Bike Stands	249	39,591.00
	Bottles and Cages	7981	56,798.19
	Cleaners	908	7,218.60
	Fenders	2121	46,619.58
	Helmets	6440	225,335.60
	Hydration Packs	733	40,307.67
	Tires and Tubes	17332	245,529.32
	Total	**36092**	**700,759.96**
Bikes	Mountain Bikes	4970	9,952,759.56
	Road Bikes	8068	14,520,584.04
	Touring Bikes	2167	3,844,801.05
	Total	**15205**	**28,318,144.65**
Clothing	Caps	2190	19,688.10
	Gloves	1430	35,020.70
	Jerseys	3332	172,950.68
	Shorts	1019	71,319.81
	Socks	568	5,106.32
	Vests	562	35,687.00
	Total	**9101**	**339,772.61**
Total		**60398**	**29,358,677.22**

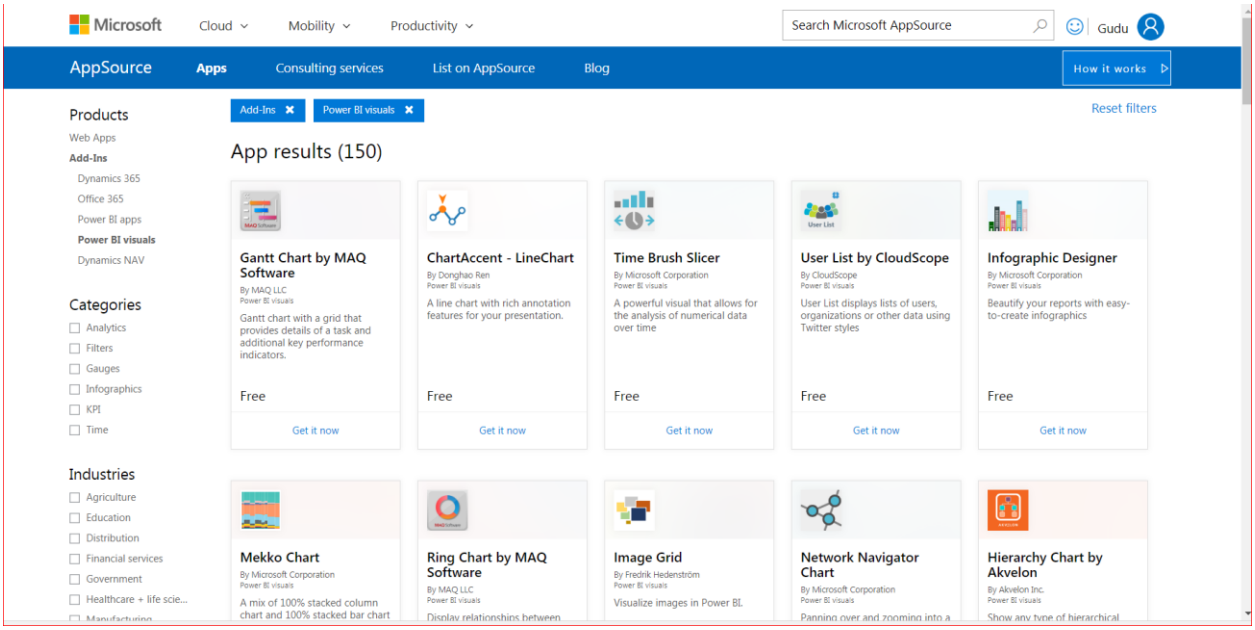
Go to lowest level of data while clicking on the same symbol:

EnglishProductCategoryName	EnglishProductSubcategoryName	ModelName	Style	OrderQuantity	SalesAmount
Accessories	Bike Racks	Hitch Rack - 4-Bike		328	39,360.00
			Total	**328**	**39,360.00**
		Total		**328**	**39,360.00**
	Bike Stands	All-Purpose Bike Stand		249	39,591.00
			Total	**249**	**39,591.00**
		Total		**249**	**39,591.00**
	Bottles and Cages	Mountain Bottle Cage		2025	20,229.75
			Total	**2025**	**20,229.75**
		Road Bottle Cage		1712	15,390.88
			Total	**1712**	**15,390.88**
		Water Bottle		4244	21,177.56
			Total	**4244**	**21,177.56**
		Total		**7981**	**56,798.19**
	Cleaners	Bike Wash		908	7,218.60
			Total	**908**	**7,218.60**
		Total		**908**	**7,218.60**
	Fenders	Fender Set - Mountain		2121	46,619.58
			Total	**2121**	**46,619.58**
		Total		**2121**	**46,619.58**
	Helmets	Sport-100		6440	225,335.60
			Total	**6440**	**225,335.60**
		Total		**6440**	**225,335.60**
	Hydration Packs	Hydration Pack		733	40,307.67
			Total	**733**	**40,307.67**
		Total		**733**	**40,307.67**
	Tires and Tubes	HL Mountain Tire		1396	48,860.00
			Total	**1396**	**48,860.00**
		HL Road Tire		858	27,970.80
			Total	**858**	**27,970.80**
		LL Mountain Tire		862	21,541.38
			Total	**862**	**21,541.38**
		LL Road Tire		1044	22,435.56
			Total	**1044**	**22,435.56**
		ML Mountain Tire		1161	34,818.39
			Total	**1161**	**34,818.39**

18. Custom Visuals:

To use Custom Visuals us the below link to download:

https://appsource.microsoft.com/en-us/marketplace/apps?product=power-bi-visuals

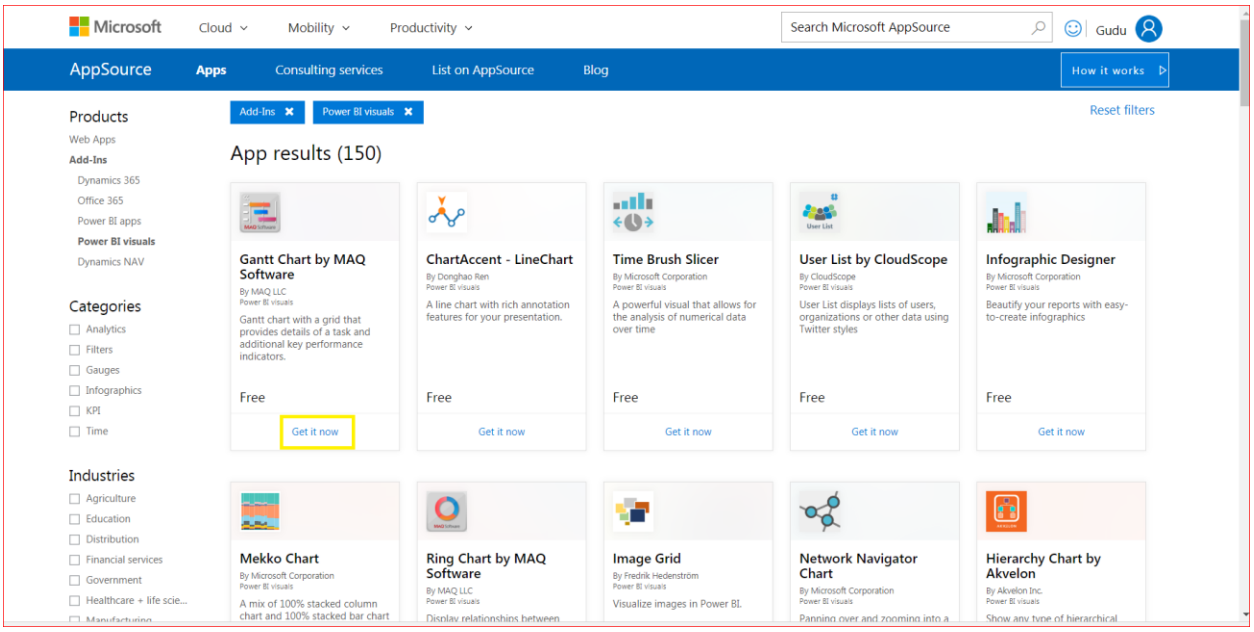


I will download some visuals which are not available in PowerBI Visualization pane:

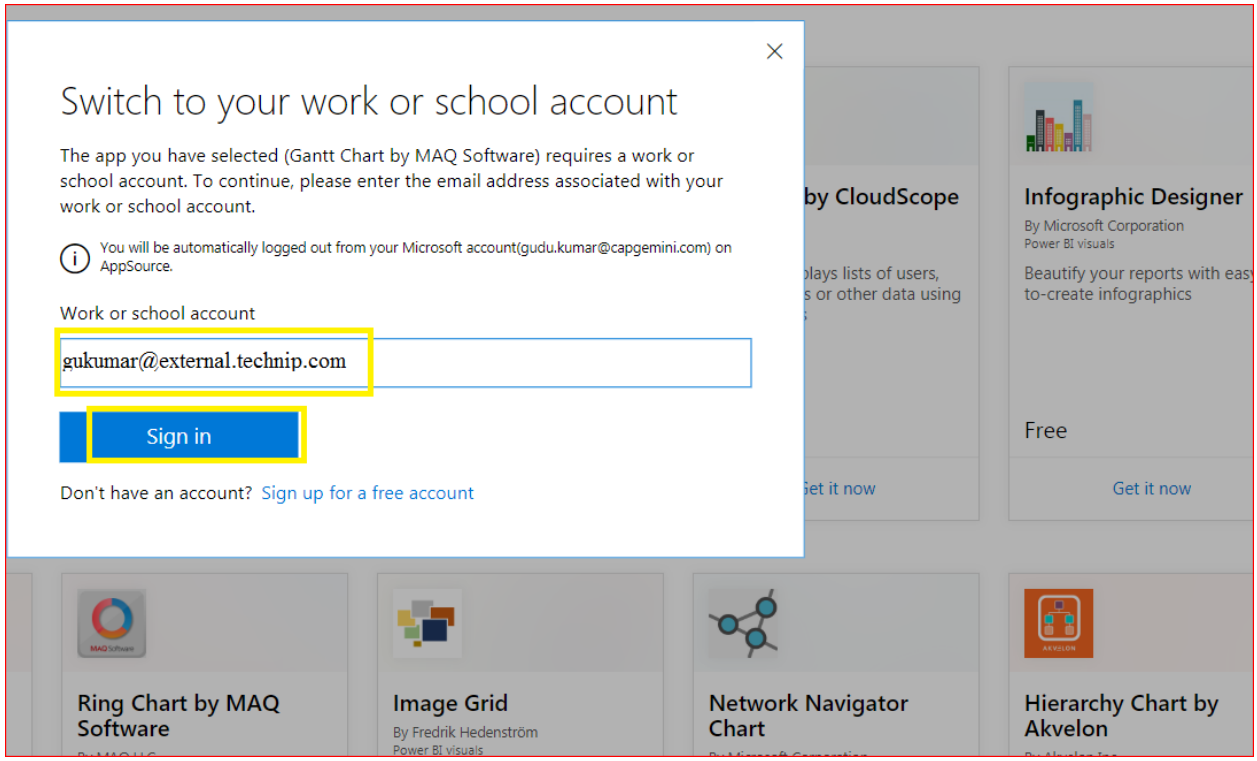
Gantt Chart,

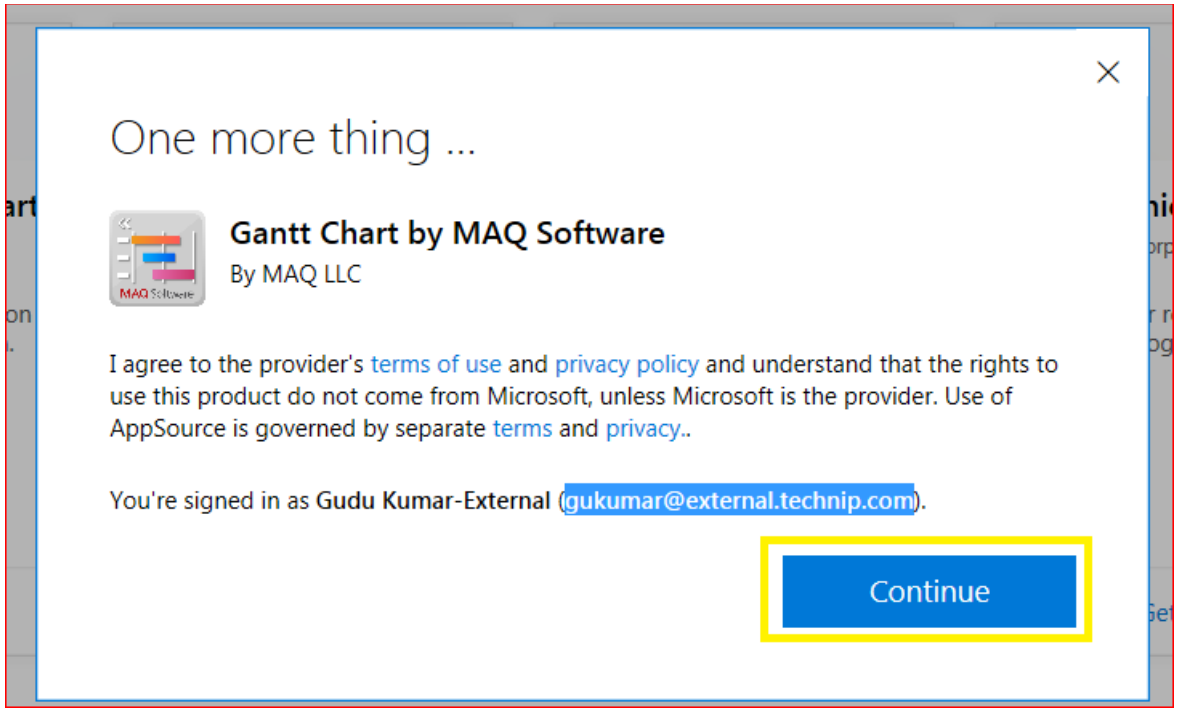
HeatMap

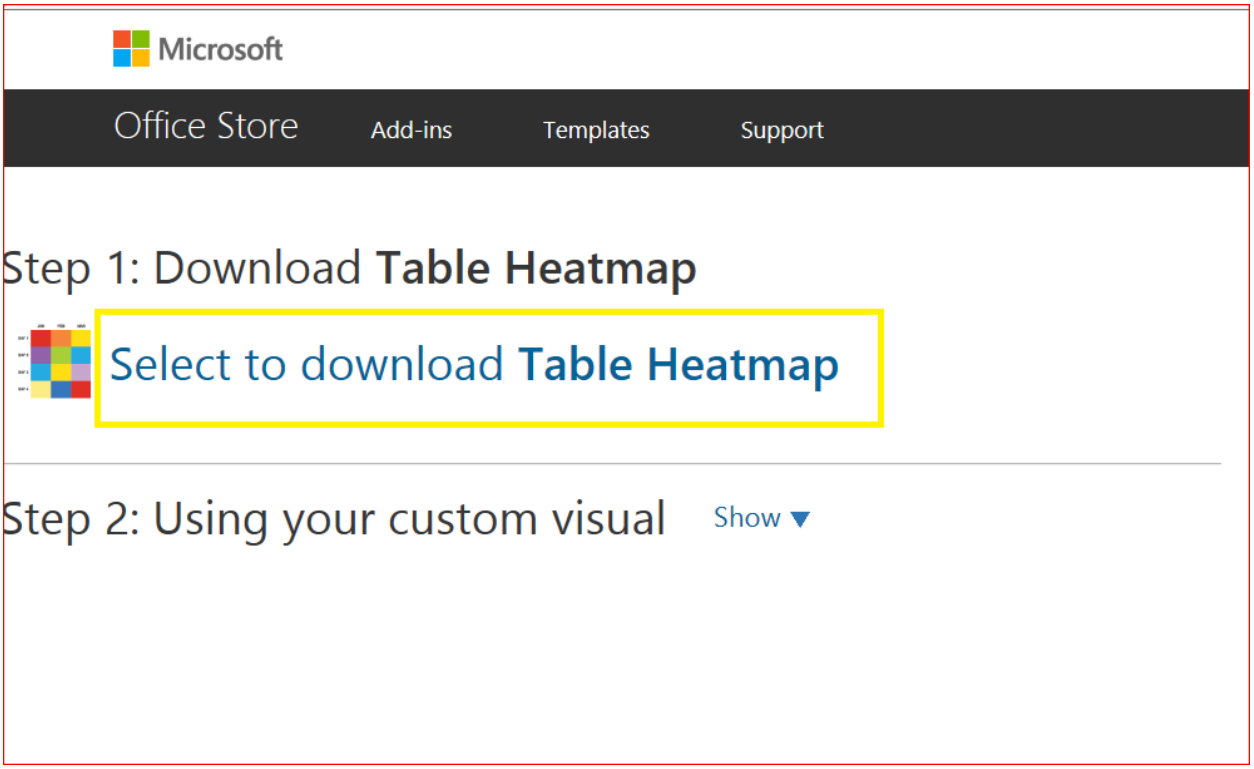
Click on "**Got it Now**":



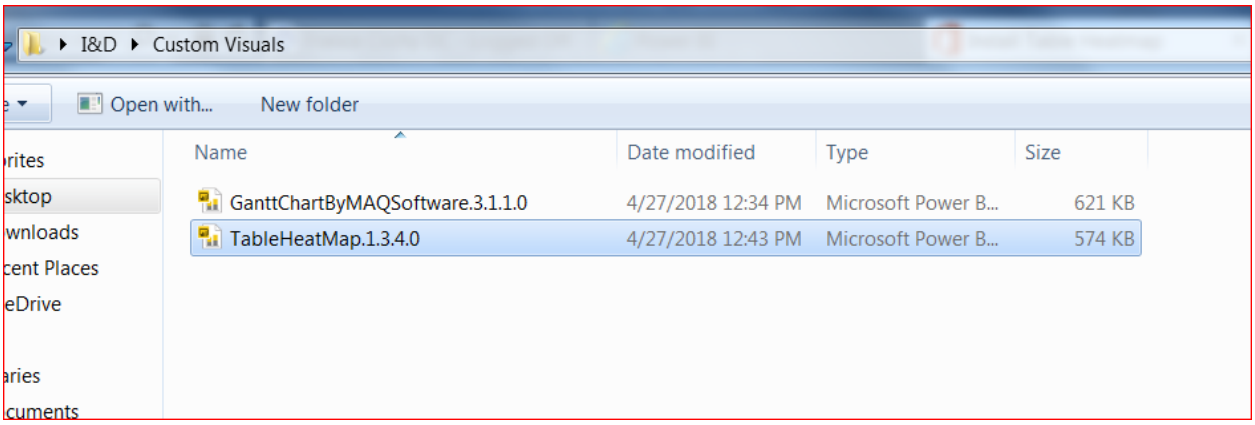
It will ask for powerbi account and provide:



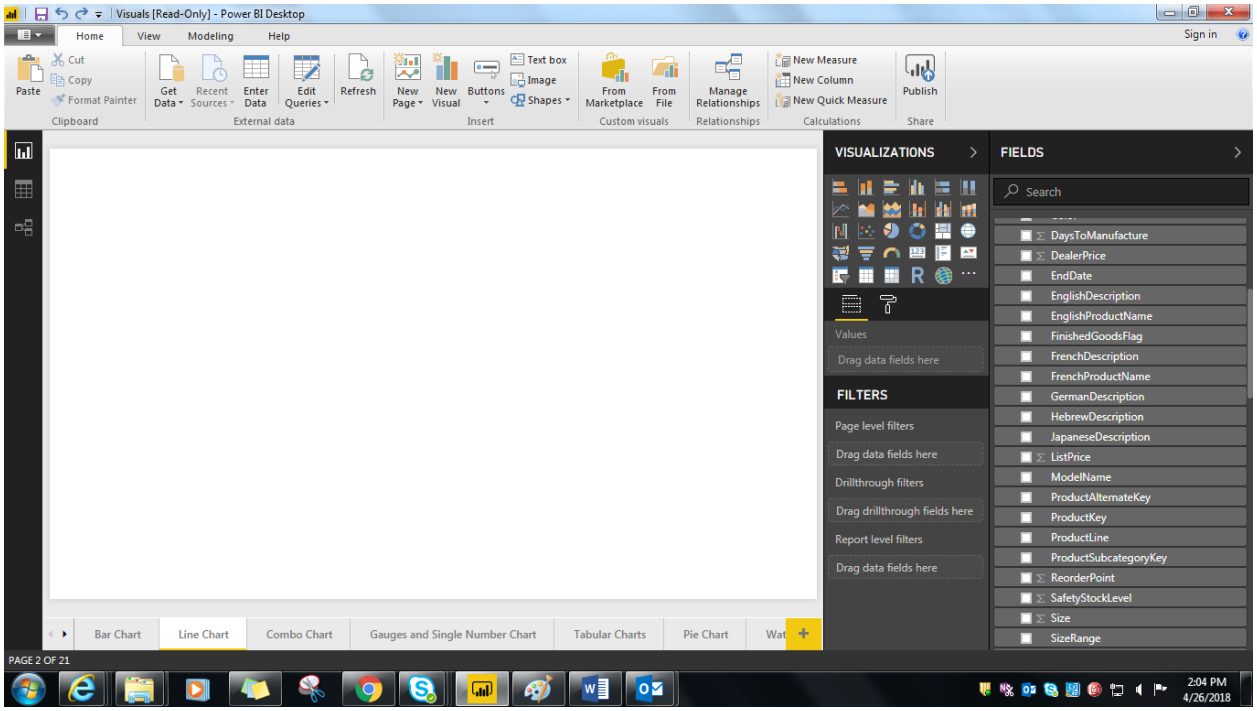




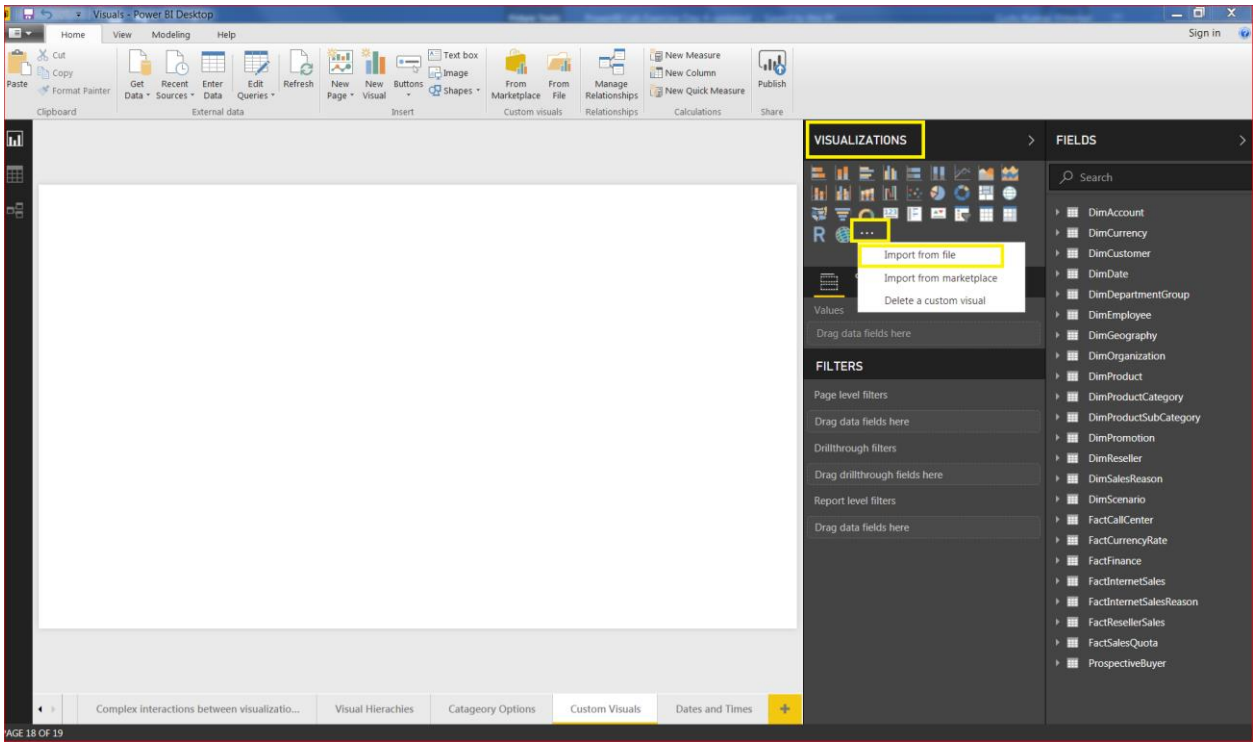
And save to my location folder:

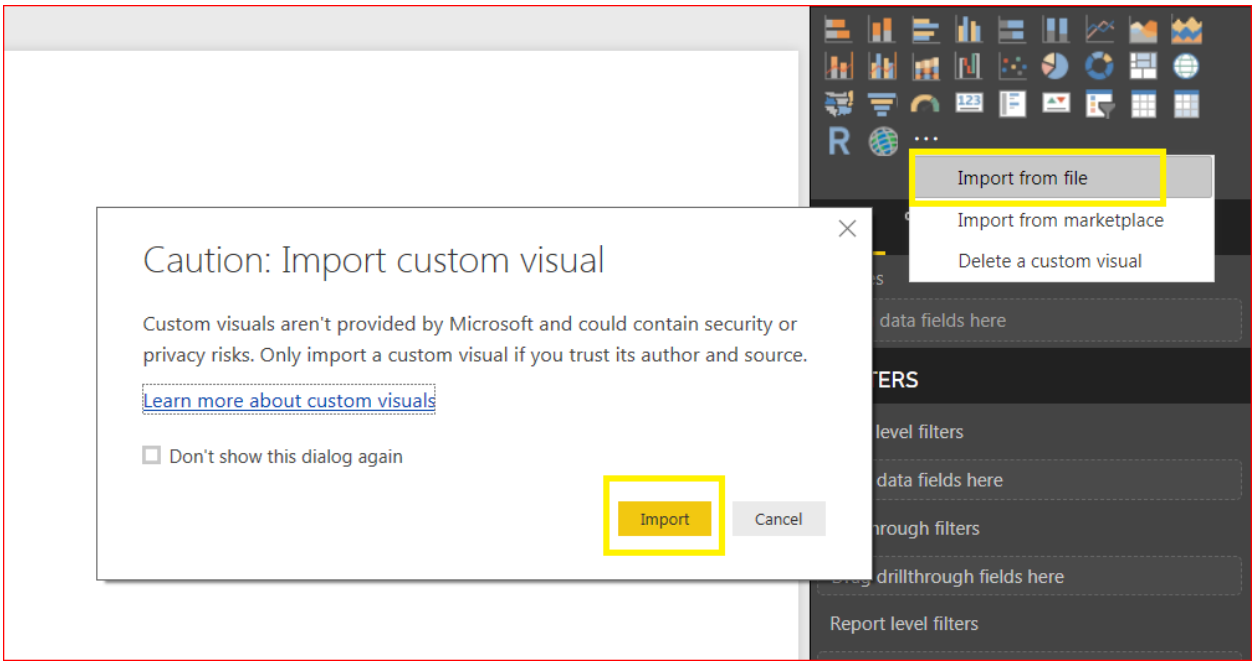


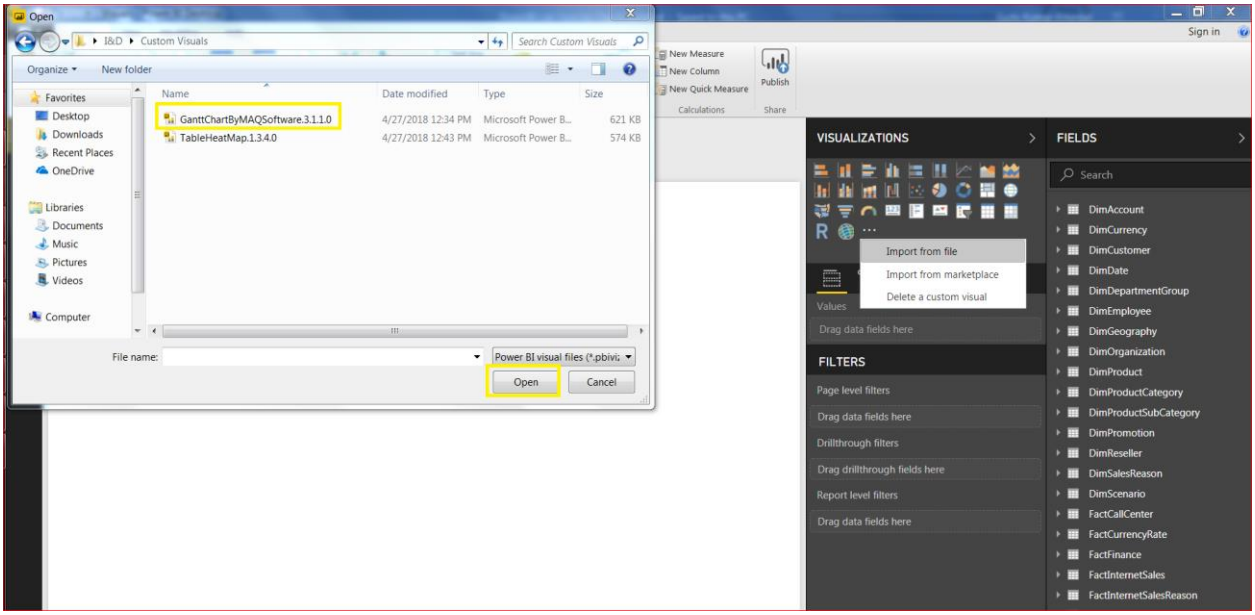
Start with a blank Power BI Desktop page:

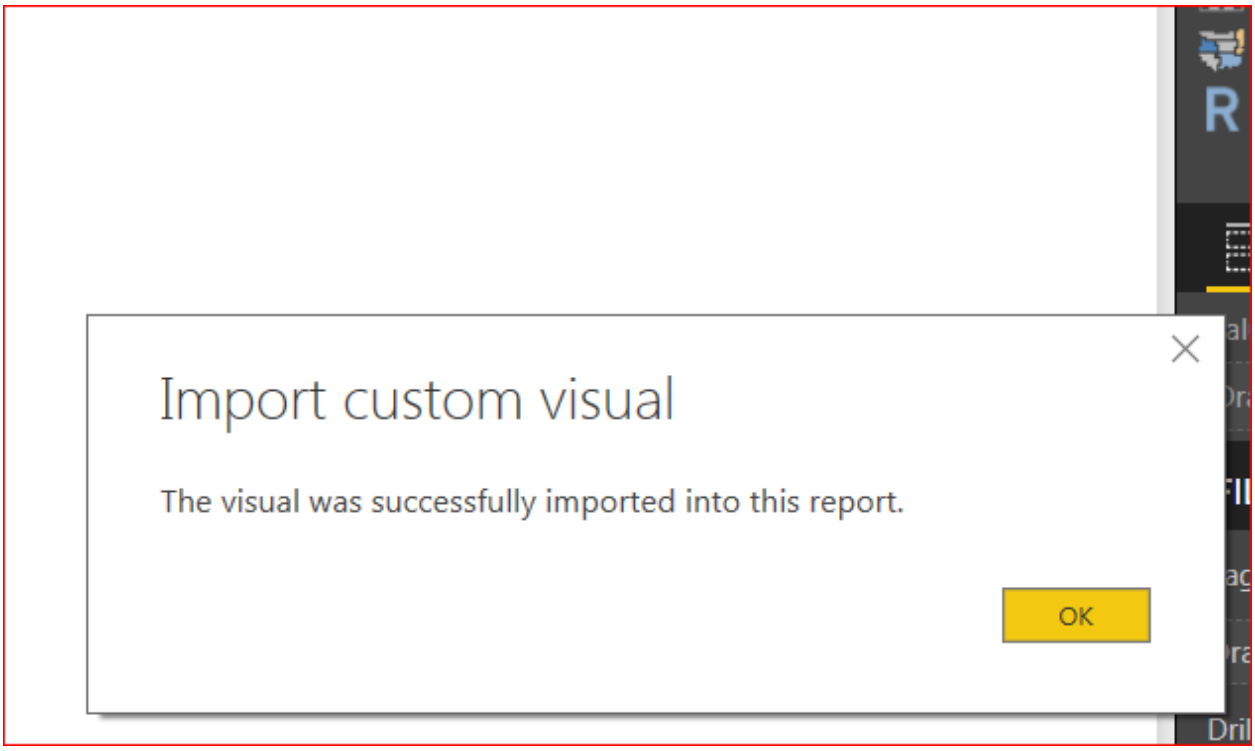


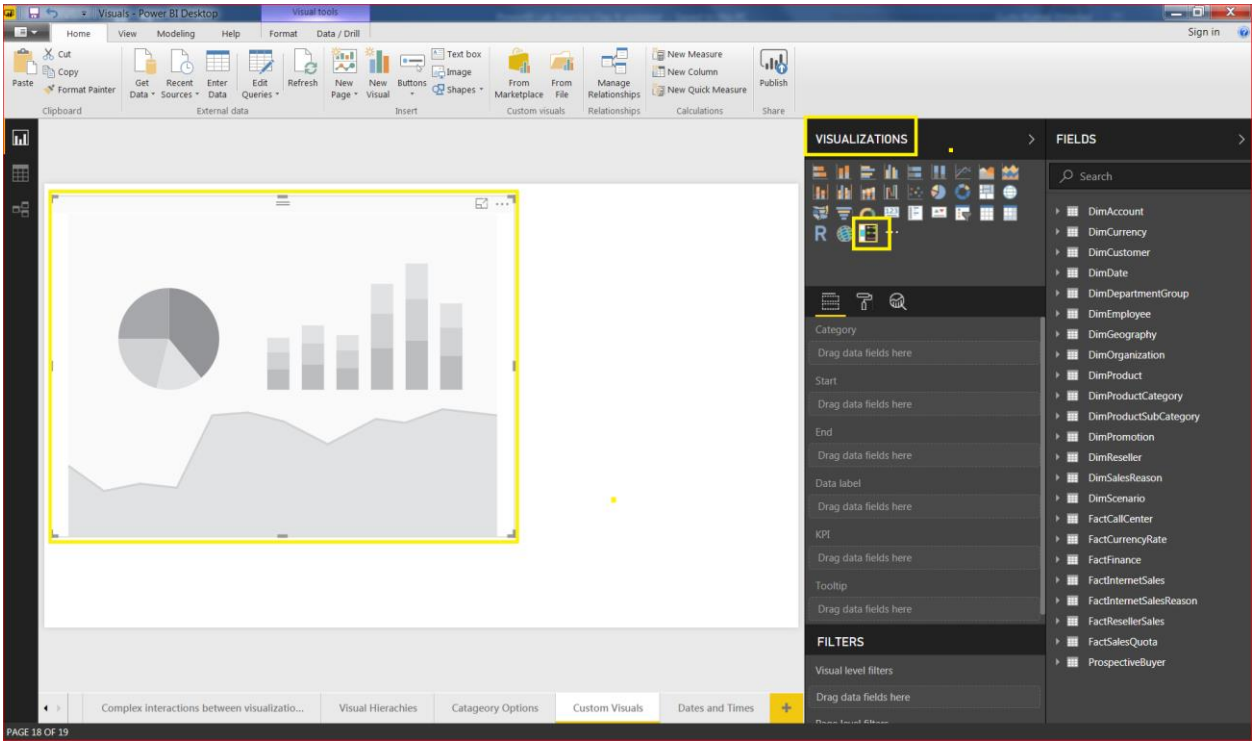
Go to Visualization and click on “Import from file”:



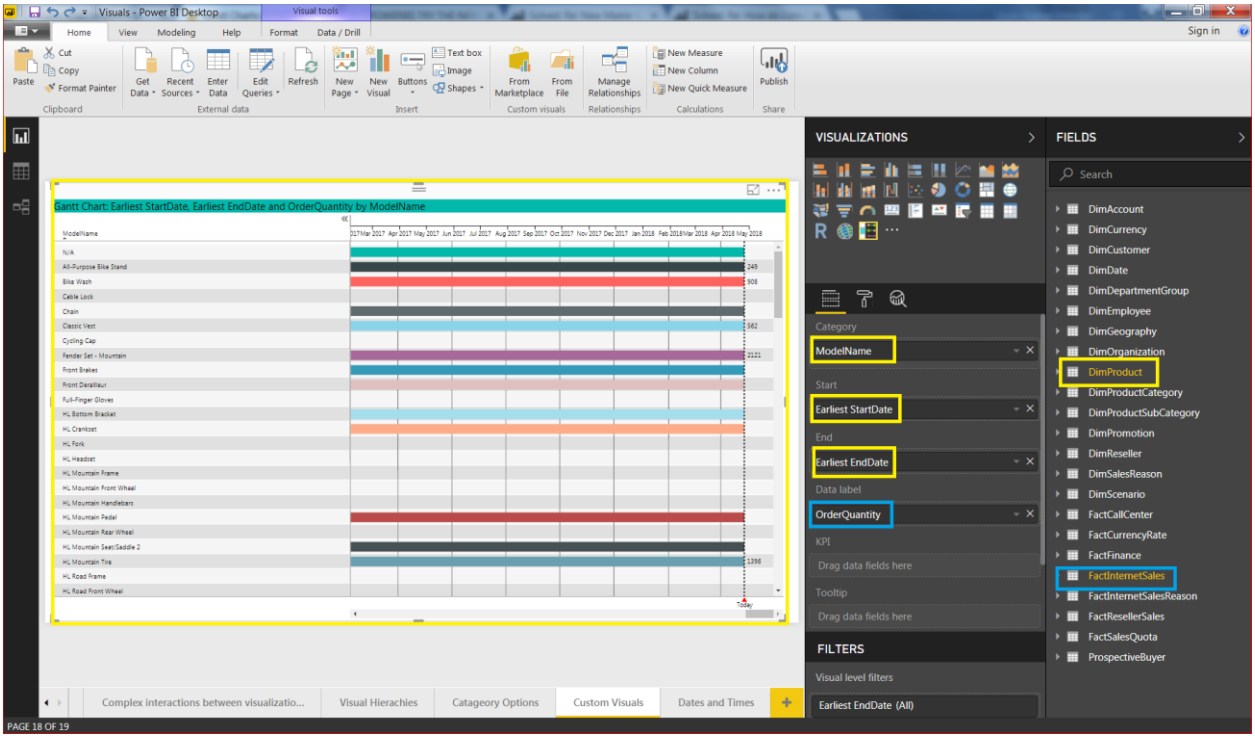

Import from file
Import from marketplace
Delete a custom visual
Caution: Import custom visual
Custom visuals aren't provided by Microsoft and could contain security or privacy risks. Only import a custom visual if you trust its author and source.
Learn more about custom visuals
Don't show this dialog again
Import
Cancel
data fields here
level filters
data fields here
drillthrough fields here
Report level filters


Open
Custom Visuals
Search Custom Visuals
Organize
New folder
Favorites
Desktop
Downloads
Recent Places
OneDrive
Libraries
Documents
Music
Pictures
Videos
Computer
Name
Date modified
Type
Size
GanttChartByMAQSoftware.3.1.1.0
4/27/2018 12:34 PM
Microsoft Power B...
621 KB
TableHeatMap.1.3.4.0
4/27/2018 12:43 PM
Microsoft Power B...
574 KB
File name:
Power BI visual files (*.pbivi
Open
Cancel
Sign in
New Measure
New Column
New Quick Measure
Publish
Calculations
Share
VISUALIZATIONS
FIELDS
Search
Import from file
Import from marketplace
Delete a custom visual
Values
Drag data fields here
FILTERS
Page level filters
Drag data fields here
Drillthrough filters
Drag drillthrough fields here
Report level filters
Drag data fields here
DimAccount
DimCurrency
DimCustomer
DimDate
DimDepartmentGroup
DimEmployee
DimGeography
DimOrganization
DimProduct
DimProductCategory
DimProductSubCategory
DimPromotion
DimReseller
DimSalesReason
DimScenario
FactCallCenter
FactCurrencyRate
FactFinance
FactInternetSales
FactInternetSalesReason

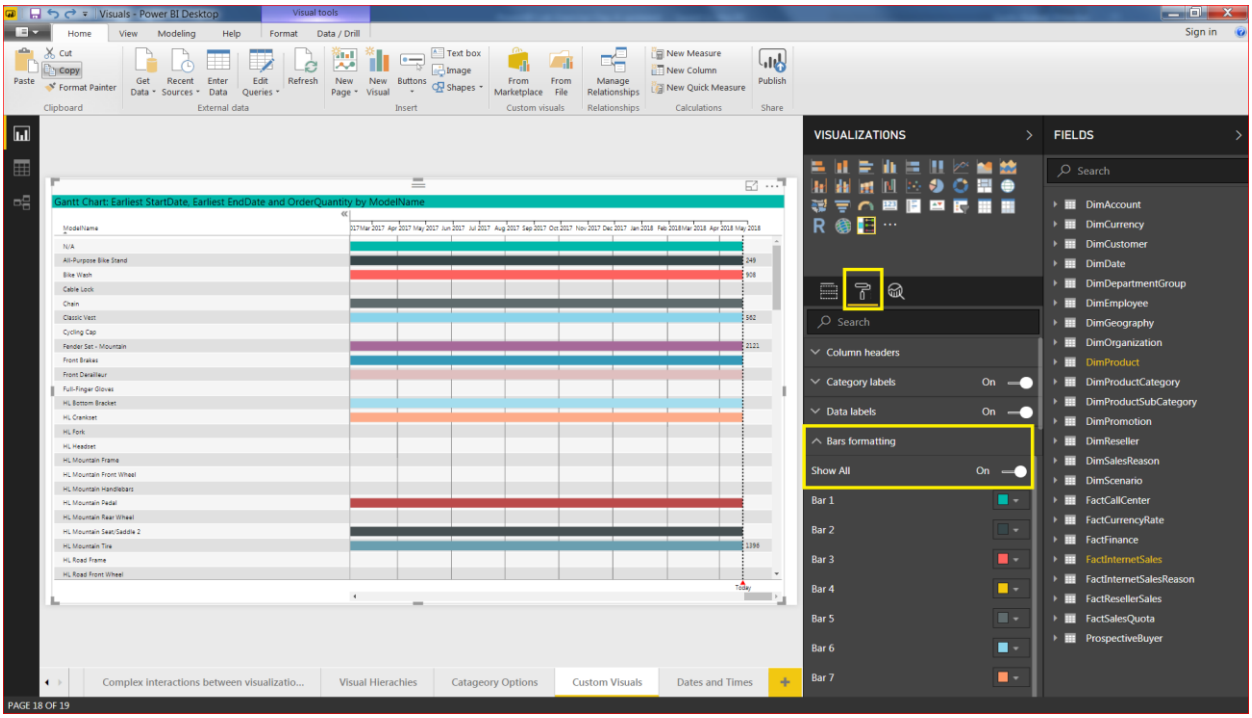

Import custom visual
The visual was successfully imported into this report.
OK


VISUALIZATIONS
FIELDS
FILTERS
DimAccount
DimCurrency
DimCustomer
DimDate
DimDepartmentGroup
DimEmployee
DimGeography
DimOrganization
DimProduct
DimProductCategory
DimProductSubCategory
DimPromotion
DimReseller
DimSalesReason
DimScenario
FactCallCenter
FactCurrencyRate
FactFinance
FactInternetSales
FactInternetSalesReason
FactResellerSales
FactSalesQuota
ProspectiveBuyer

Choose the fields as follows as below:

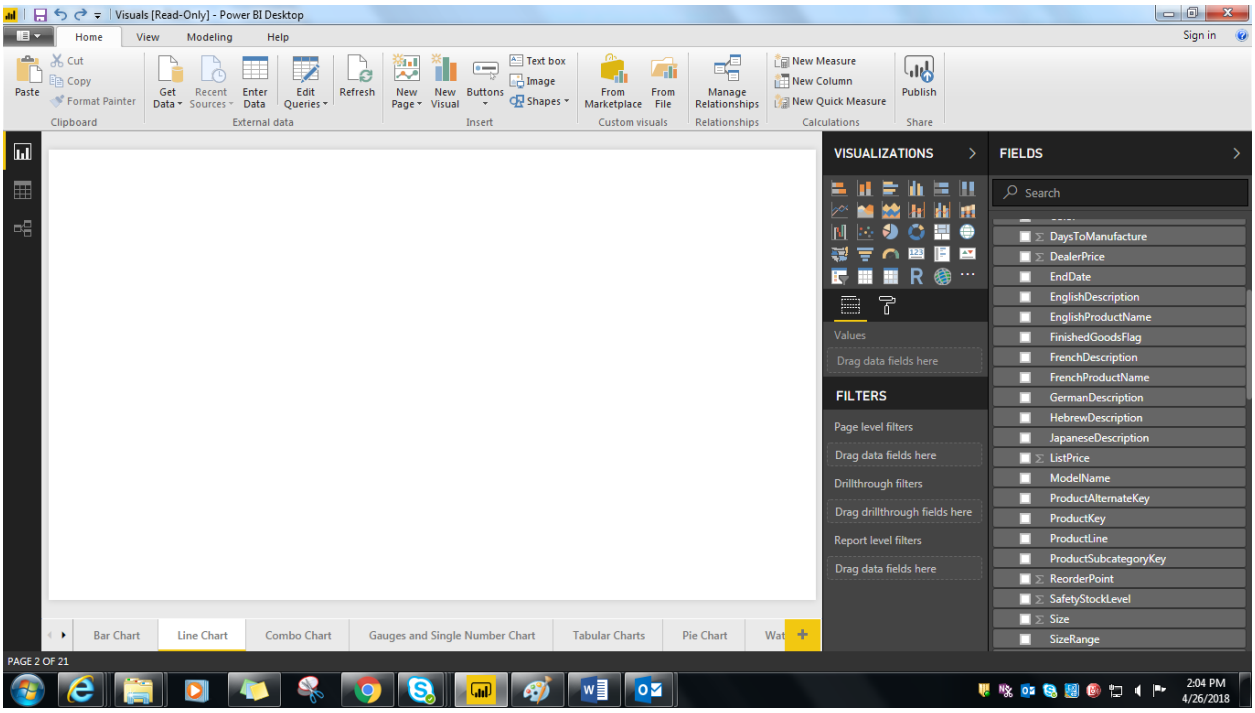


Go to format set the property as below:

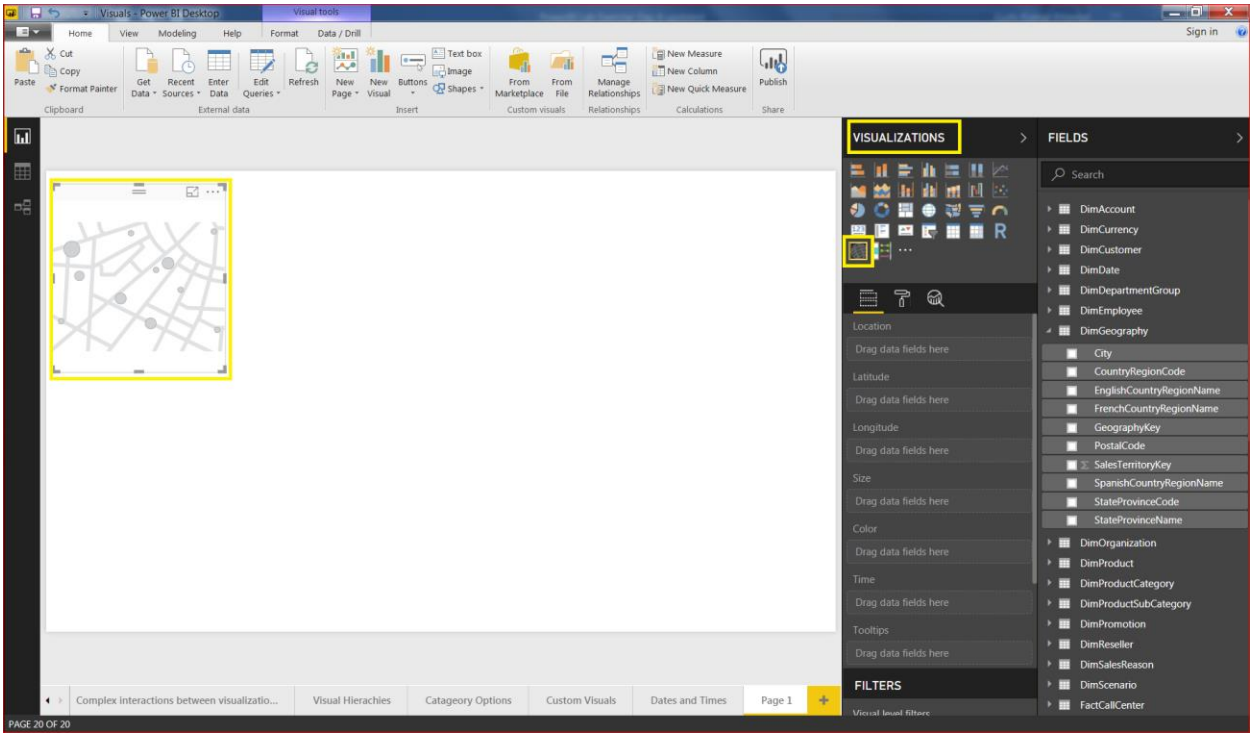


19. Complex interactions between visualizations:

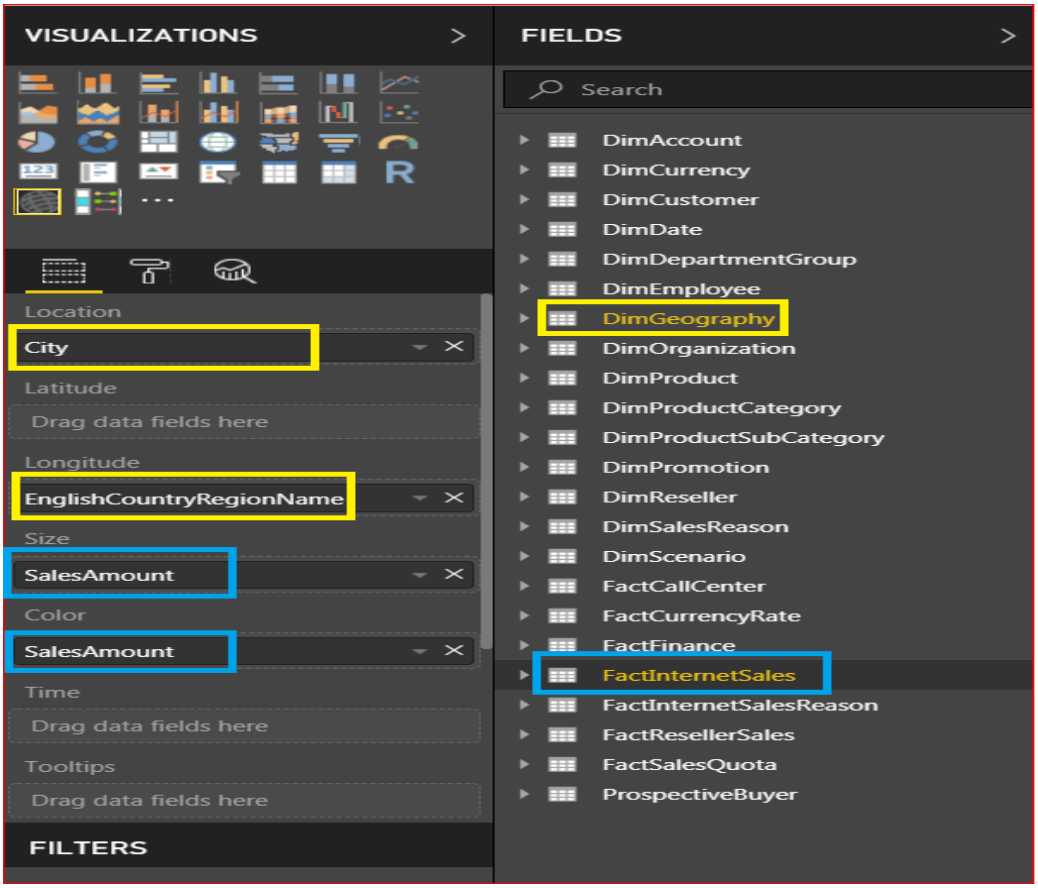
Start with a blank Power BI Desktop page:



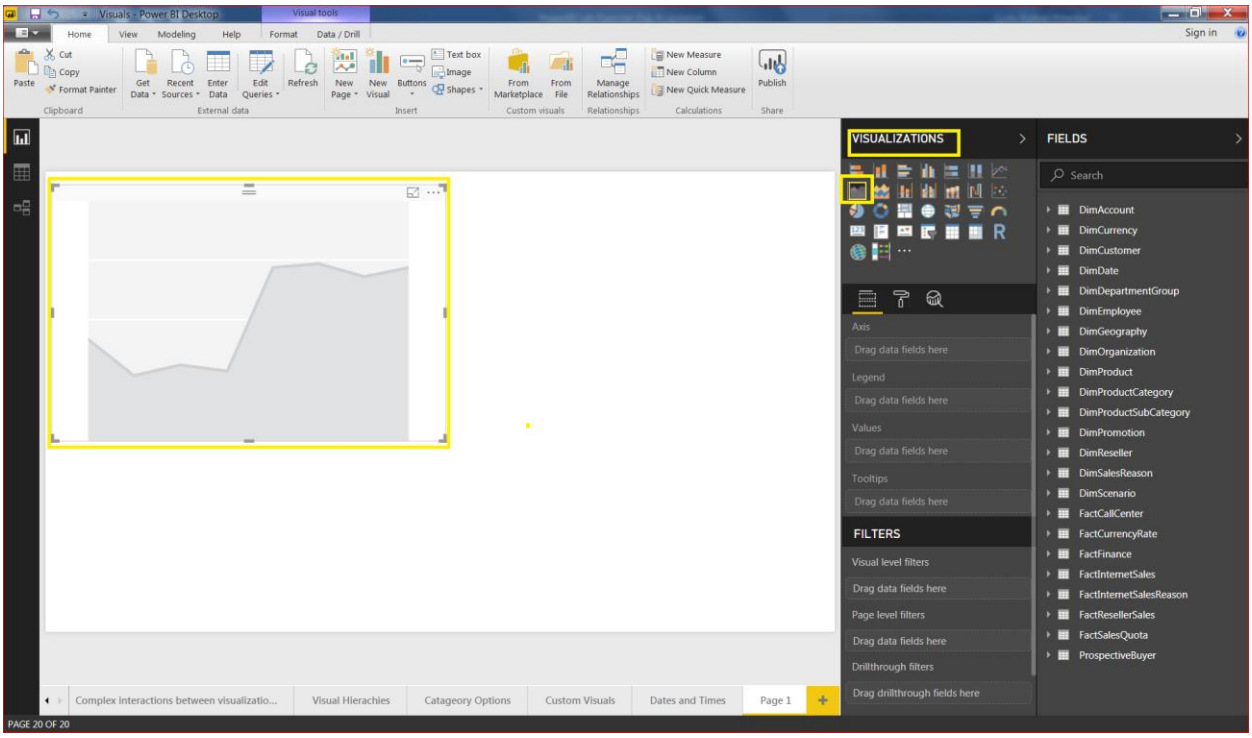
Take Map from Visualization:



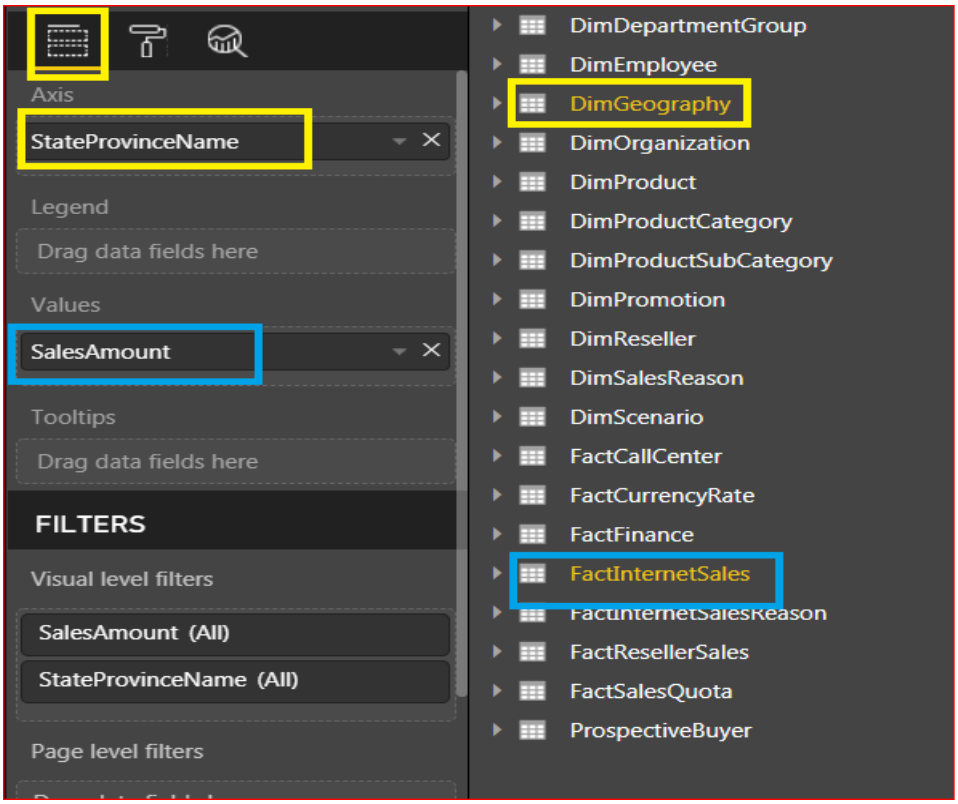
Choose the fields as per below:



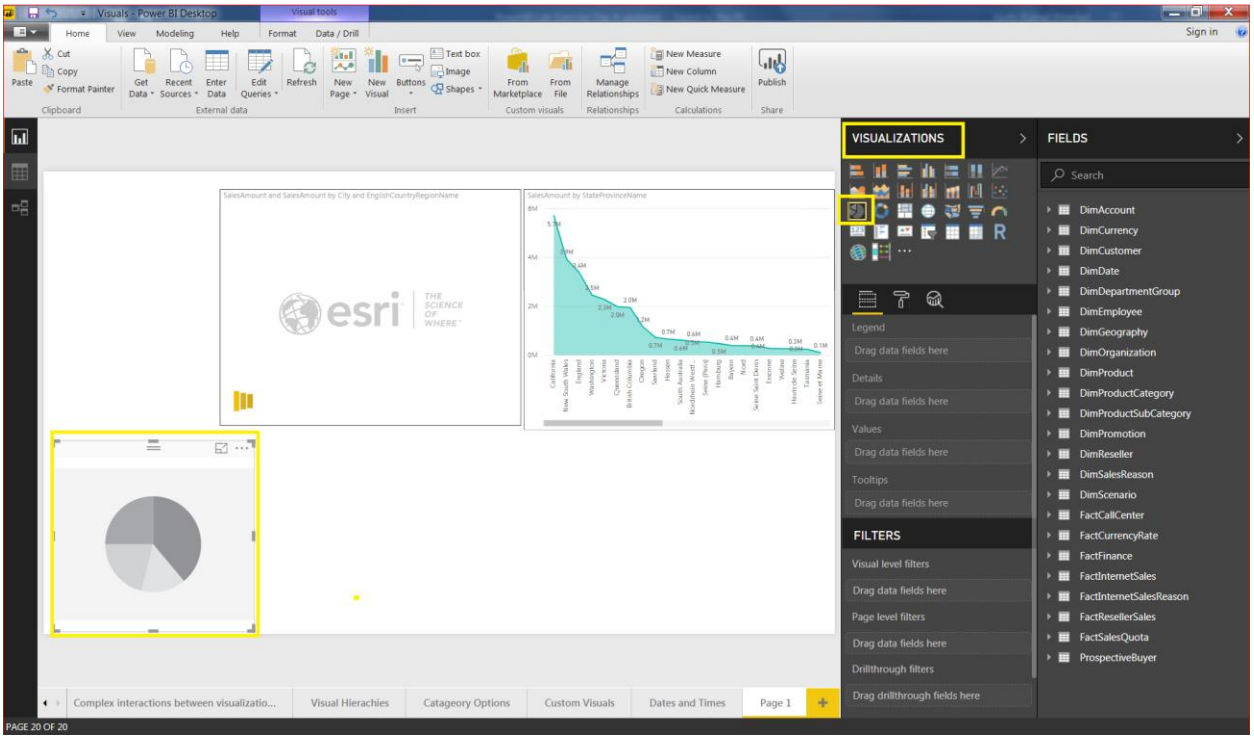
Take “Area Chart”:



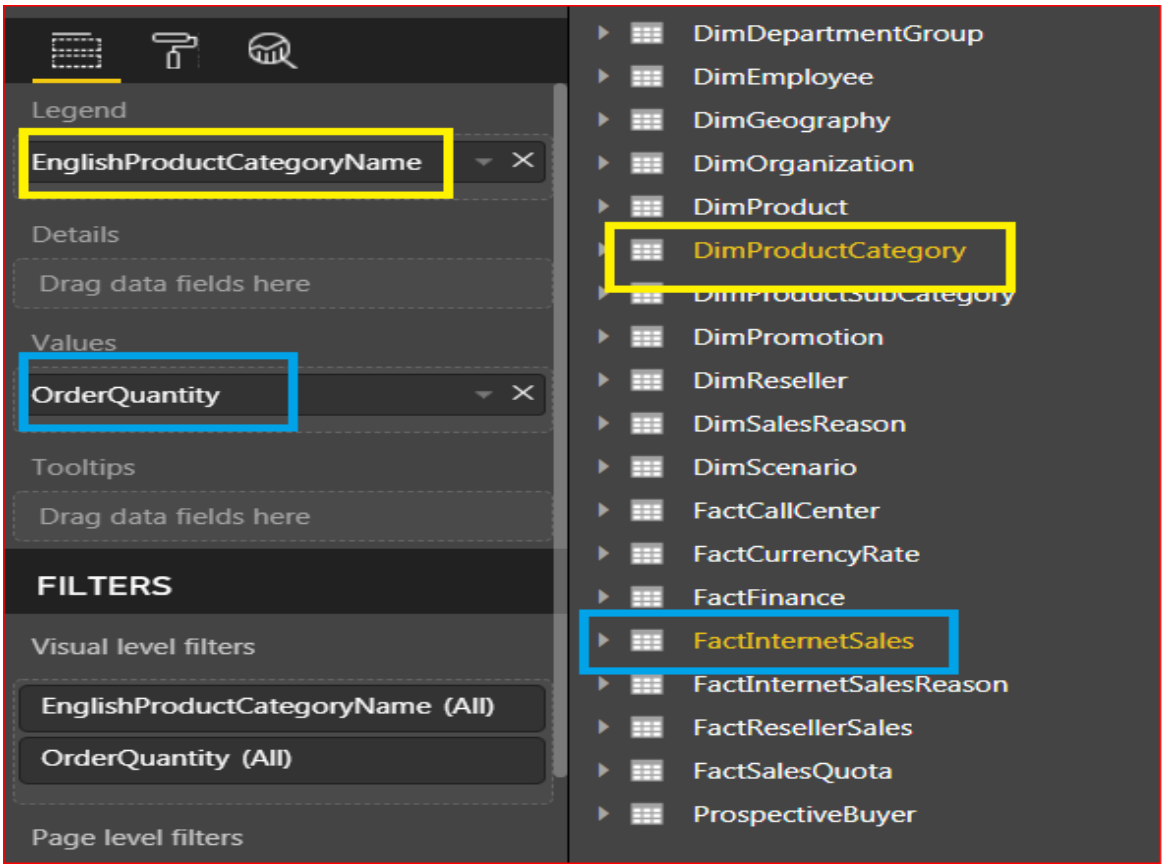
Choose the fields as per below:



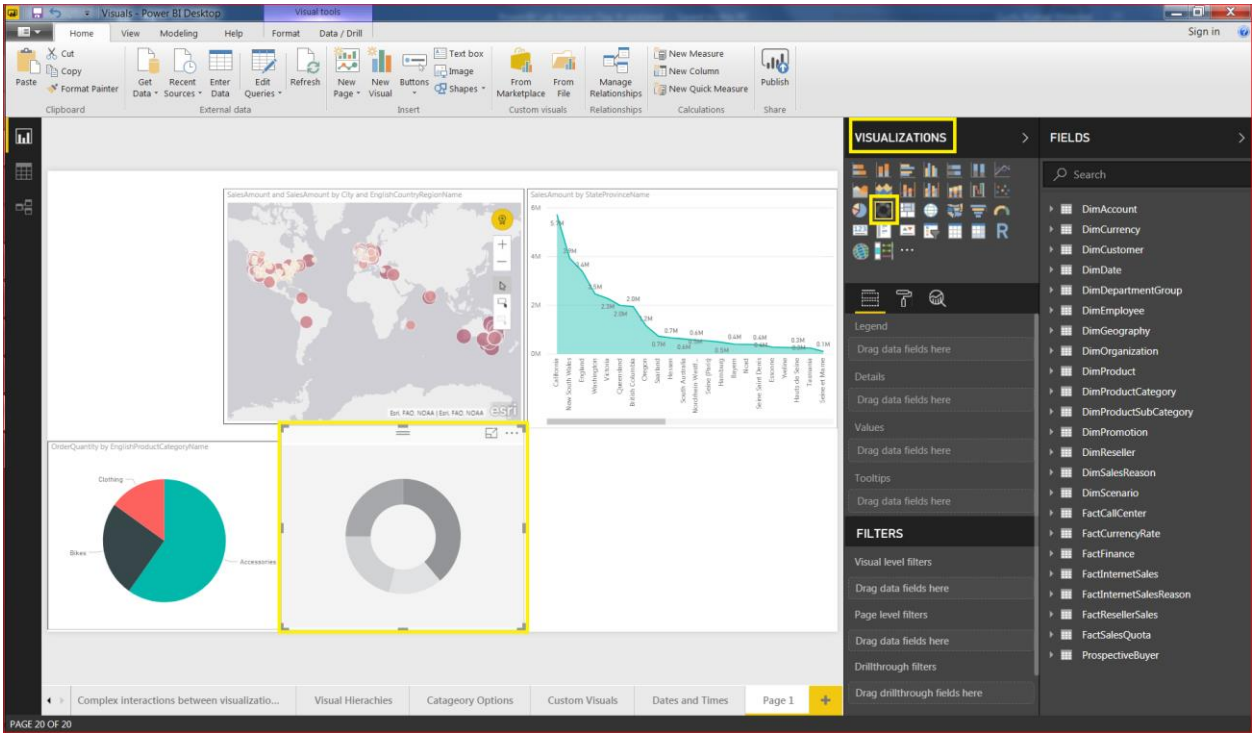
Choose “Pie Chart” from Visualization:



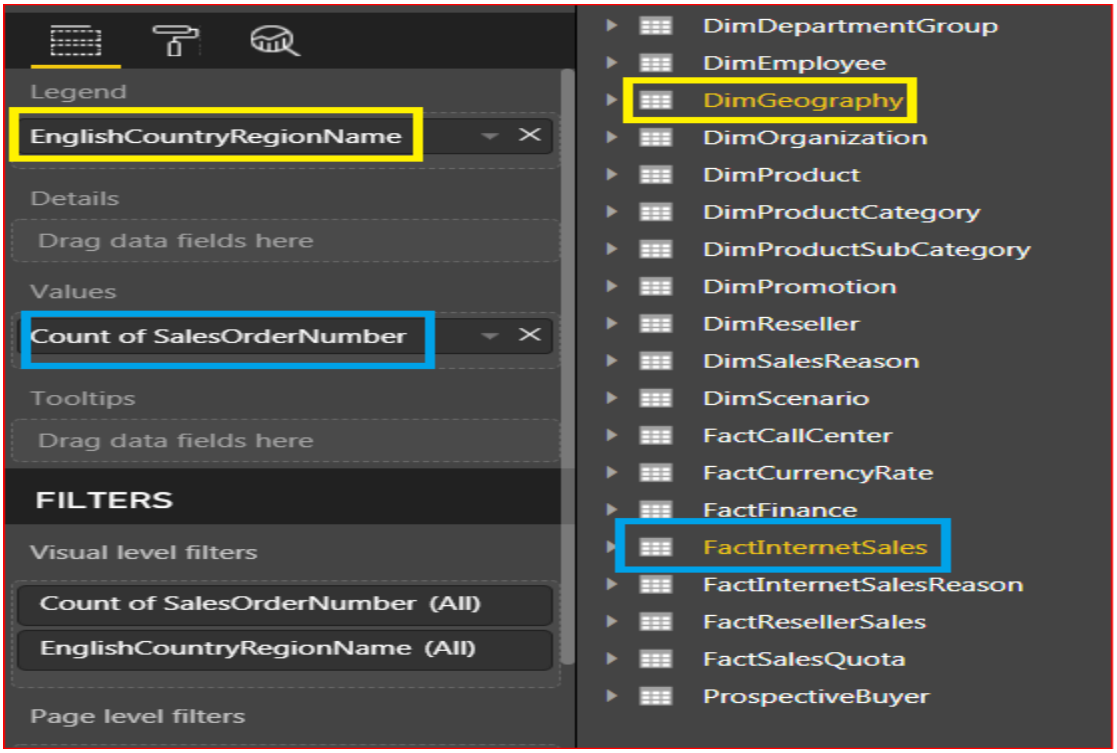
Choose the fields as per below:



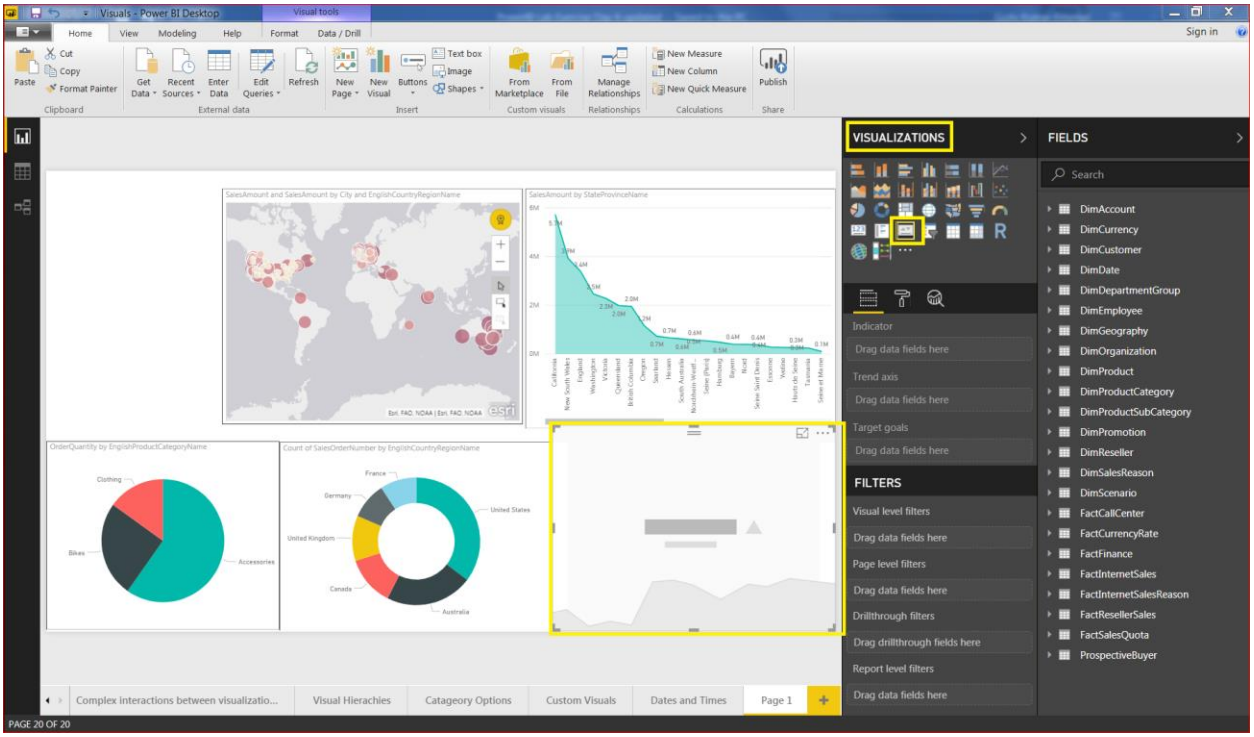
Choose “Donor Chart” from Visualization:



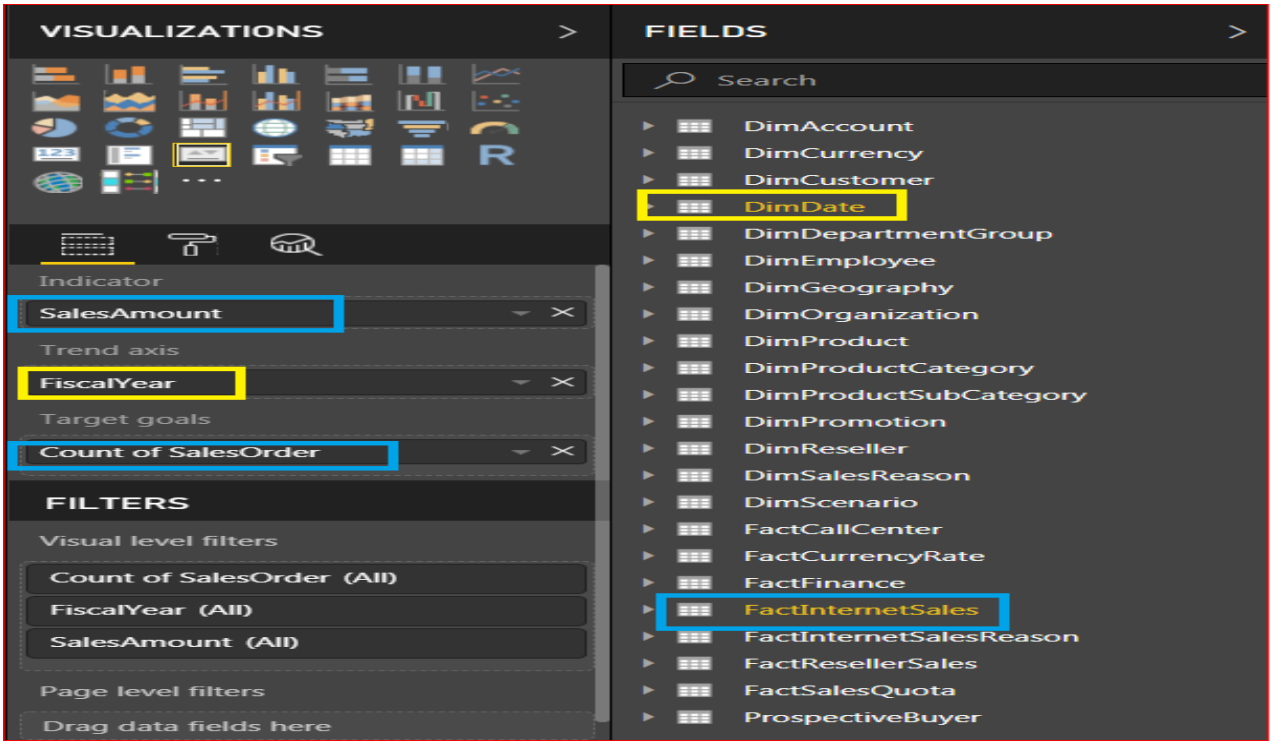
Choose the fields as per below:



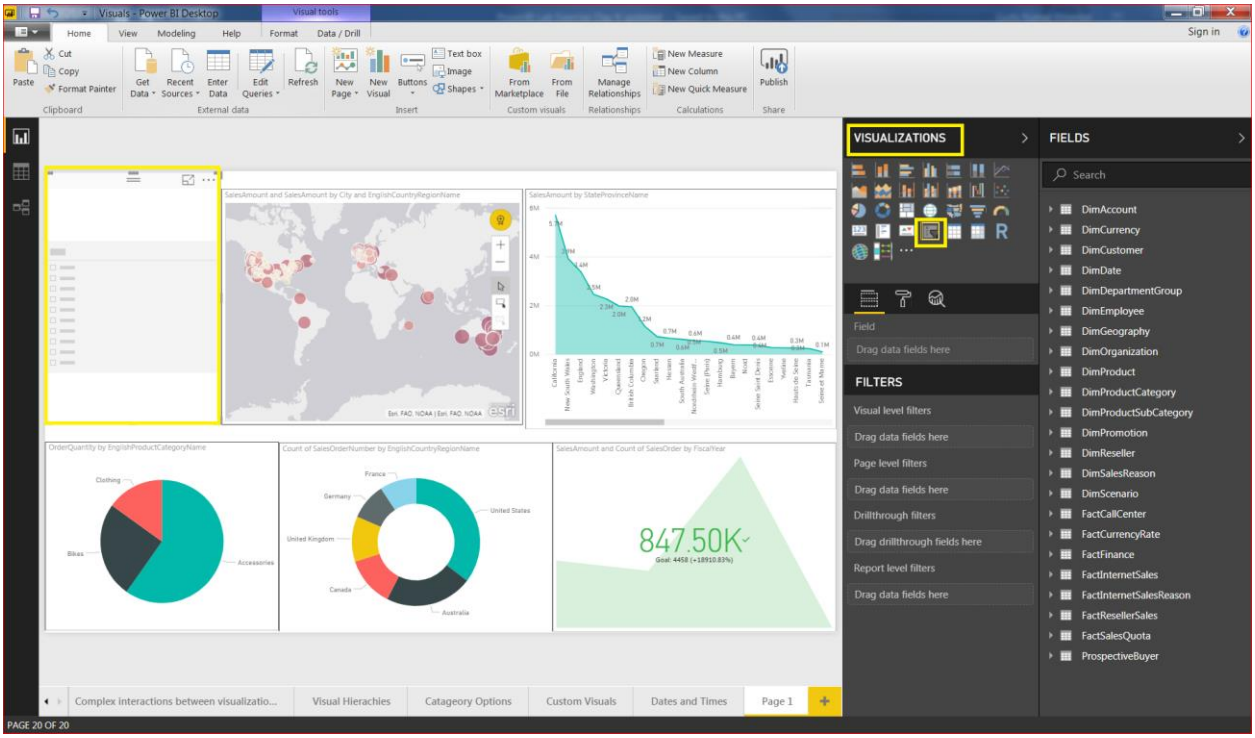
Choose “KPI Chart” from Visualization:



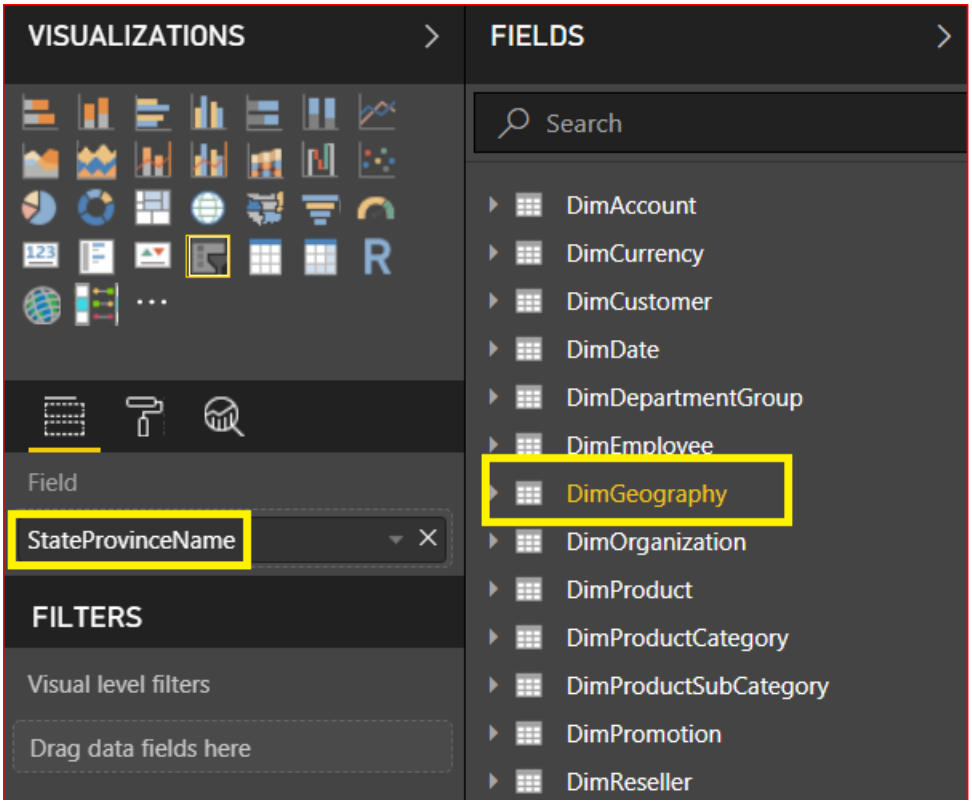
Choose the fields as per below:



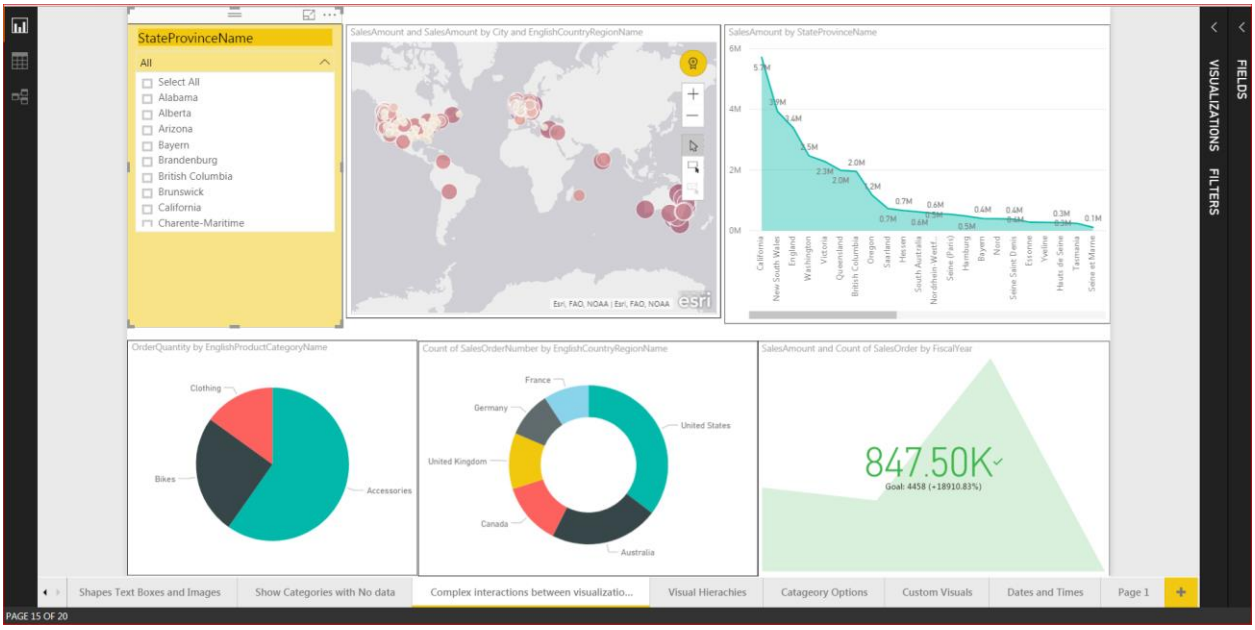
Choose “Slicer” from Visualization:



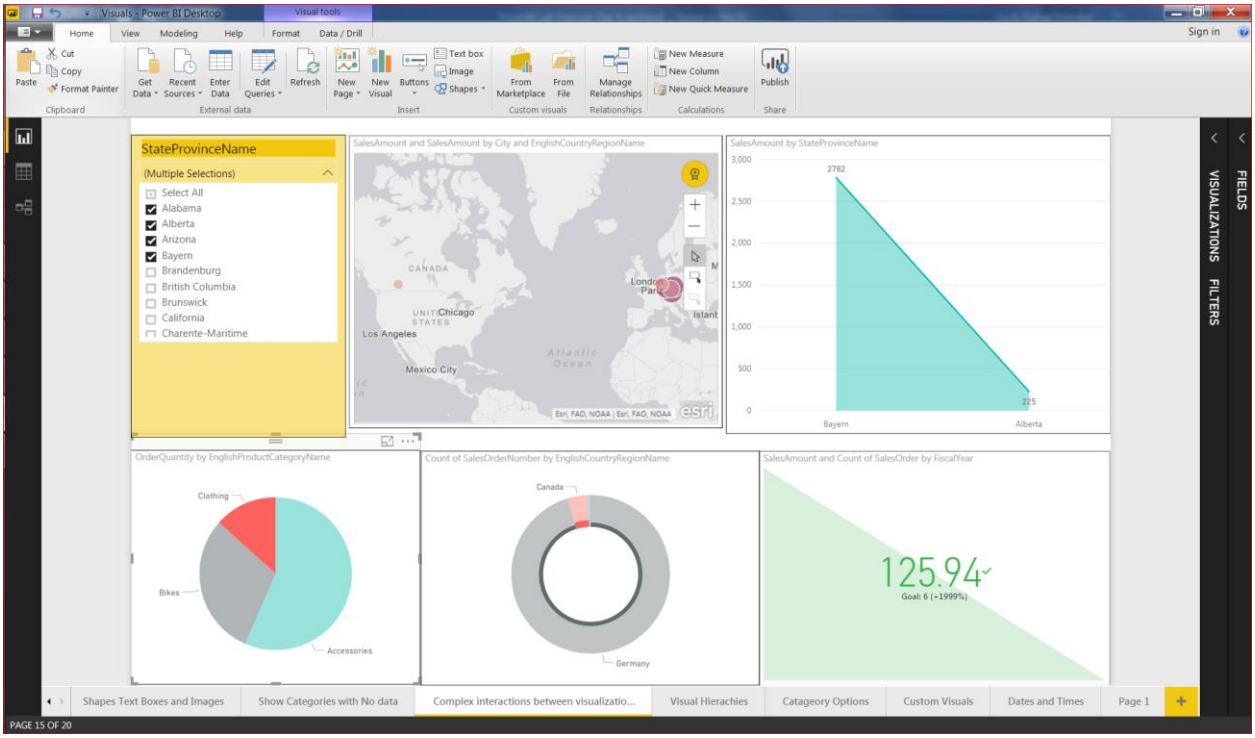
Choose the fields as per below:



Finally Report looks as below:



We can check report interactions among different visuals while selecting value from Slicer/visuals:



Summary

In this exercise,

1. We have learnt various Visualizations and their scopes and uses.
2. We have covered almost all important visual like- Bar Chart, Line Chart, Combo Chart, Gauges and Single Number Chart, Tabular Charts etc.
3. We saw how visuals interact among itself throughout report.
4. We saw various format properties for each visuals.