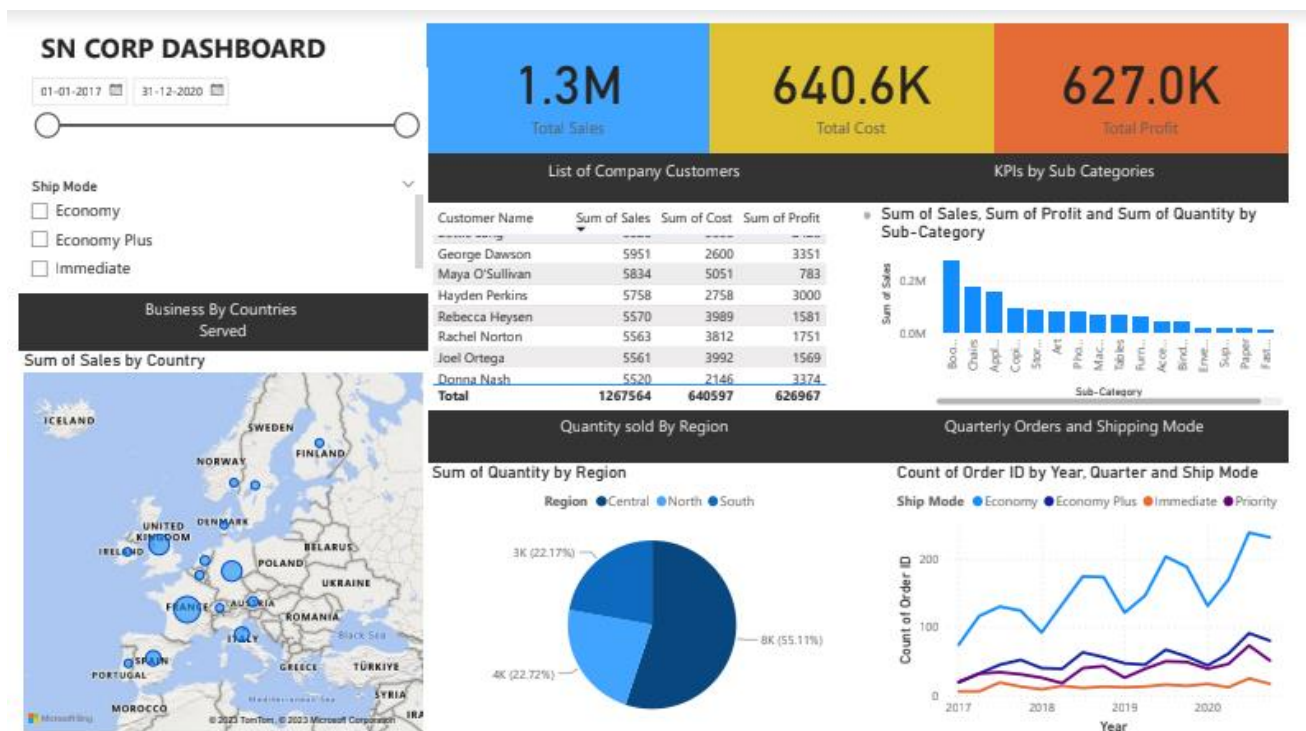


Power BI Dashboard for SN Corporation

Problem Statement :

As an employee of SN Corporation, You have an important meeting this Monday. Your promotion is 1 step away & this meeting can either get you a big raise & a bigger job title OR keep you stuck in your current role for 2 more years. Extract & present actionable insights for your company.

Dashboard:



Steps to build the above Dashboard:

Step1 :

Loading your data

1. Select source data format and load data by selecting location of the file.

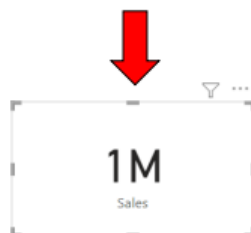
2. Put a tick mark here & then click on Load button below.

Order ID	Order Date	Customer Name	City	Case
BN-2011-7402009	01-01-2017	Ruby Patel	Stockholm	S
A2-2011-8060813	08-01-2017	Sunneer Hayward	Stockport	S
A2-2011-8674300	04-01-2017	Devin Hudfleston	Valencia	F
BN-2011-2819714	04-01-2017	Mary Parker	Birmingham	L
A2-2011-617423	05-01-2017	Daniel Burke	Echternach	F
A2-2011-2918997	07-01-2017	Friedrick Bevenidge	La Jolla-San Marcos	F
BN-2011-3248714	08-01-2017	Archer Hoyt	Trondheim	F
A2-2011-6711797	11-01-2017	Kate Hoshart	Genoa	F
A2-2011-4827140	11-01-2017	Faith Greenwood	Vienne	A
A2-2011-6458906	11-01-2017	Sunneer Hayward	Murcia	S
A2-2011-7093395	11-01-2017	Orlando Powell	Woking	L
A2-2011-5703270	11-01-2017	Harshel Snyder	Lichne	G
A2-2011-9327716	11-01-2017	Jella Martell	Leicester	L
A2-2011-2223624	11-01-2017	Vida Watson	Sheffield	L
BN-2011-39198	11-01-2017	Johan Declre	Gendrecht	H
BN-2011-20010	11-01-2017	Rosa Neep	Guthrieburg	S
A2-2011-9366666	16-01-2017	Ella Troy	Vienne	A
A2-2011-7675151	16-01-2017	Everett Dunbar	Langen	C
BN-2011-0779060	17-01-2017	Georgia Benningham	Copenhagen	C
A2-2011-7418210	17-01-2017	Christopher Goodd	Gandia	S
A2-2011-8818950	18-01-2017	Johna Bacc	Holping	C
A2-2011-3050419	18-01-2017	Al Leonard	Sesto San Giovanni	F

Step 2 :

Creating a Card

Click on the card visual to add it on your canvas. Once added, drag a numerical field you want to visualize in the fields box.



After adding Sales to card

Add numerical field in fields as shown below.

Visualizations

Build visual

Fields

Sales

Step 3:

Creating a Table

Click on the table visual to add it on your canvas. Once added, drag any field you want to visualize in the columns box.

Select or drag fields to populate this visual

➔

Customer Name	Sales	Cost	Profit
Aaron Bootman	1635	818	817
Aaron Cunningham	820	150	670
Aaron Davey	1862	1119	743
Aaron Macrossan	81	56	25
Abbie Perry	619	128	491
Abby Colebe	676	500	176
Abby Mai	1924	393	1531
Abby Muramats	1010	381	629
Abigail Humfray	744	461	283
Ada Dalton	773	565	208
Adam Bentley	3458	1807	1651
Adam Gibbs	815	625	190
Adam Harte	2540	1216	1324
Adam Peacock	589	492	97
Total	1267564	640597	626967

Columns

Customer Name ▾ ×

Sales ▾ ×

Cost ▾ ×

Profit ▾ ×

Step 4:

Creating a Column Chart – X-axis & Y-axis

Sales is your Y-axis

Adding numerical metric as Y-axis helps the user understand the extent of it by the column height.

Sub-Category is your X-axis

Add the text based field that you want to see in the X-axis. As we are using a column chart, numerical metrics like sales, profit etc will become Y-axis as we want the column HEIGHT to show the extent of that metric.

Add fields in X & Y Axis as shown below.

X-axis

Sub-Category ▾ ×

Y-axis

Sales ▾ ×

Legend

Add data fields here

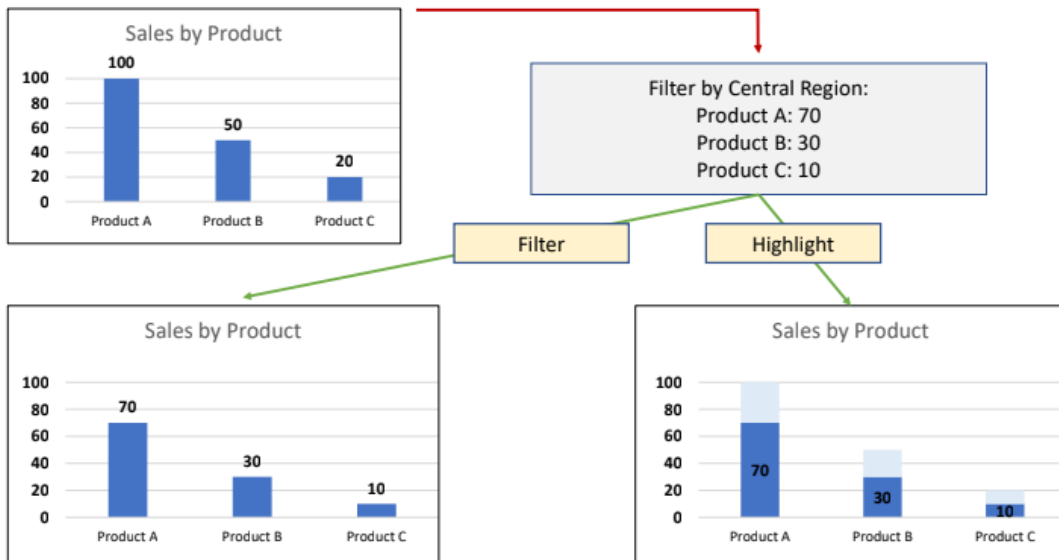
Small multiples

Add data fields here

Tooltips

Profit ▾ ×

Difference between Highlight & Filter

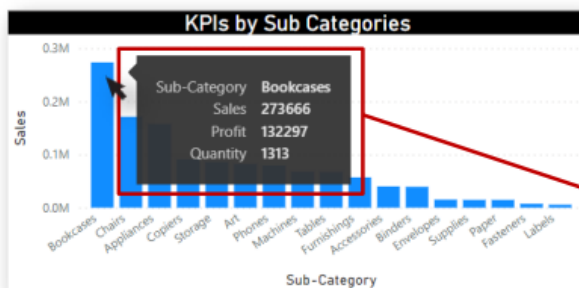


Step 5:

Creating a Column Chart – Tooltips

Any metric (numerical field) that you add in Tooltips will be visible to you when you hover over different elements of the visual.

For ex – After adding Profit to tooltips, whenever user hovers over ANY column of the column chart, they will see profit of that subcategory along with the Sales amount as well. Profit amount will only be visible as a value in the hover box and not as an additional column in the chart.



Add fields in Tooltips as shown below.

The configuration panel shows the following settings:

- X-axis:** Sub-Category
- Y-axis:** Sales
- Legend:** Add data fields here
- Small multiples:** Add data fields here
- Tooltips:** Profit

Step 6:

Creating a Line Chart

To create a Line Chart, all you have to do is add your date field in X-axis & the numerical field you want to see the trend of in Y-axis.

By doing the above you will get one line showing trend of the numerical field over your date range. If you want to break it into multiple lines based on another field, such as Shipping Mode, add it to the legend as shown below.



Once completed, this is how your inputs will look like.

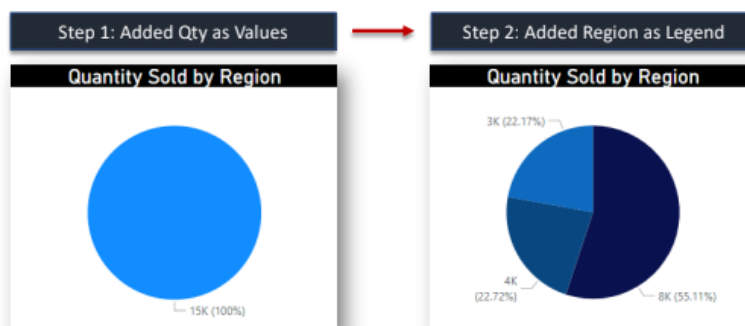
X-axis	
Order Date	✓ ✕
Year	✕
Quarter	✕
Y-axis	
Total Orders	✓ ✕
Secondary y-axis	
Add data fields here	
Legend	
Ship Mode	✓ ✕

Step 7 :

Creating a Pie Chart

To create a Pie Chart, add your numerical field in **values** & the field by which you want to see a breakdown of your values in **legend**.

By doing the above you will get one line showing trend of the numerical field over your date range. If you want to break it into multiple lines based on another field, such as Shipping Mode, add it to the legend as shown below.



Once completed, this is how your inputs will look like.

Legend	
Region	✓ ✕
Values	
Quantity	✓ ✕
Details	
Add data fields here	
Tooltips	
Add data fields here	