



X



POWER BI DOMINATION

WORKSHOP

—

BY JATAN SHAH
DAY 1 - NOTES



JATAN SHAH
CATEGORY: EDUCATION

**30
UNDER
30**

Jatan Shah discusses his entrepreneurial career and the lessons he has acquired.

Jatan Shah, Co-Founder of Skill Nation, is a Microsoft Certified Excel Expert & Trainer as well as a Business Coach.

He has trained more than 2 lakh students in data analysis skills such as advanced MS Excel, Power BI, and Data Studio, which have aided them in obtaining raises in pay, promotions, and high-paying job offers. To launch their own successful businesses, he has also assisted working professionals in leaving their jobs.

The ed-tech company Skill Nation helps the Indian workforce launch and advance their careers in a variety of fields, such as data science, data analysis, digital marketing, finance, etc. by offering easy and affordable online classes and mentorship programs.

Jatan is a firm believer that "learning is growing" and strives to learn something new every day in his line of work. In the following two years, they hope to teach 1 crore people practical and industry-relevant skills through Skill Nation.

Lessons learned

"There is no such thing as risk. It's all about calculated risks."

Jatan believes that everything that we do has a risk, risk of failing, not being able to do so in the first place or even not being able to do it the best. The tendency to avoid risk is ingrained in us as humans.

He further adds that "My experience tells me that you can mitigate all your risk by replacing it with something called 'calculated risks'. Calculate how much risk you have by taking a certain decision. Then determine a Risk to Reward Ratio for your action. If the RR Ratio is 1:3, it simply means you are allowed to fail twice and not have it impact you. I always take decisions that have a RR above 3. This gives you enough safety margin to fail and at the same time, enough room to succeed."

"It is an era of solving problems uniquely, not solving unique problems."

He claims that innovation is essential to creating a sustainable business. It does, however, have two sides. One aspect of building something is finding innovative solutions to challenges, but you don't have to be the next Elon Musk to do so. Try tackling an existing (or perhaps even "boring") problem in a novel way if you believe there are no more unique problems after so many startups and businesses.

Jatan reveals, "Changing my approach towards problem-solving helped me build my company. There were hundreds of EdTechs imparting skills when we started. However, changing the way we solved our student's problem of not learning skills by making our programs convenient & affordable helped us a lot."

"Jack of all trades is BETTER than master of one."

He encourages people not to focus all of their efforts on perfecting just one skill. Develop a variety of skills and strive to be the best, if not above average, at each one. A person with a skill set that is above average in five areas is always preferable to someone who is an expert in just one.

Achievements

On a personal level, they have educated thousands of people—more than 200,000—and assisted them in realizing their goals. They were able to rekindle the spark they had lost by helping them get pay hikes, better jobs from their current jobs, jobs in the first place for those who were unemployed, and career switches. Many of them had reached a professional plateau in their 30s and 40s.



Another achievement is that Jatan and his team created an edtech that was profitable from day one and crossed ARR of 50 Crores without raising outside funding, all with a capital of less than Rs 30,000.

Was his entrepreneurial journey a smooth ride?

Jatan shares, "Skill Nation's journey has been a smooth ride so far however I have had my fair share of hardships. I belong to a middle-class family. My parents are separated and I have seen my mother work very hard to raise me. There were days when we used to have Rs 50 for our dinner and have gone to bed either hungry or by eating roadside chaat. Fortunately, we have come a long way from it. I am inspired by my mother & her hard work and at the same time work hard to provide her with the quality of life she deserves."

When asked about his plans moving forward, Jatan shares that he envisions himself doing what he loves the most.

What holds in the future?

"At this level, money no longer brings drive. I have earned enough to never HAVE to work for a day going forward. For me, it's the ambition & happiness by work brings that drives me. Every day, I aspire to work hard and do what makes me happy & drives me. It would remain the same 7 years later as well."

Finally, Jatan notes that skills are more important than degrees. He reckons that Rancho was right when he said "Never study to be successful, study for self-efficiency. Don't run behind success. Follow behind excellence, and success will come all behind you".

He maintains that your skill set alone, not expensive degrees, is the only thing that will enable you to become self-reliant. Even if you pursue a degree, do it for the lessons it will teach you, not for the certificate it will appear on. In our nation, more and more people are getting their educations every day, yet fewer and fewer of them are becoming employable. Not everyone with a degree can find employment. Lack of industry-relevant skills is the reason for the difference between them.

Finally, he advises students to stop fussing and to use the internet to learn what they believe will be useful to them if they feel their degree is not practical. Everything in the modern era is accessible online. [E](#)

@entrepreneurstodaystaff



**Microsoft Certified
Trainer**



**Microsoft Certified
Expert**



**Google Certified
Data Analyst**



**Co-Founder & CEO
Skill Nation**

12,400+

Job professionals
trained in AI, Data
Analysis & Science

Jatan Shah

1,70,000+

Trained in
Data Analytical Tools
like Power BI, Tableau,
Excel, SQL, etc





Analyst at Google gets qualified for a promotion using the Masterclass !

Job + Promotion

Google

- Masterclass B52 - Testimonial
views • 5 months ago

- Masterclass B27 - Testimonial
views • 5 months ago



Capgemini program manager was able

Capgemini



Jatan Shah

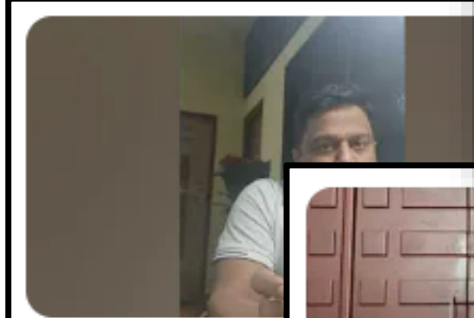
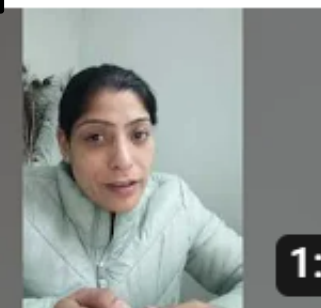
Reviews 8,554 • Excellent



Microsoft

i - Masterclass B83 - Testimonial
ews • 5 months ago

save



Engineer in Accenture got an appraisal, promotion & salary hike of 30% using the Masterclass

Salary Hike

accenture

Important Meeting Alert!

Extract & present actionable insights for your company on Monday

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.**

You need to impress everyone by...

- 1. Getting actionable insights**
- 2. Answers to complicated questions**
- 3. Be ready for any question you are going to be asked**
- 4. Present your company's performance in a stunning dashboard**

Power BI Interface - Explained

The screenshot shows the Power BI Desktop interface with several key components highlighted and labeled:

- Ribbon:** Located at the top, it contains tabs for File, Home, Insert, Modeling, View, and Help. The Home tab is currently selected, showing options like Paste, Cut, Copy, Format painter, and various data and visualization tools.
- Workspace | Canvas:** The central area where you build your report. It displays the message "Add data to your report" and "Once loaded, your data will appear in the Fields pane." Below this, there are buttons for "Import data from Excel", "Import data from SQL Server", "Paste data into a blank table", and "Try a sample dataset".
- Filters Pane:** Located on the right side, it allows you to add filters to your visual. It includes a search bar and sections for "Filters on this page" and "Filters on all pages".
- Visuals Pane:** Also on the right side, it provides options to build visualizations. It includes a search bar, a "Build visual" section with various chart types, and sections for "Values", "Drill through", and "Keep all filters".
- Field Or Data Pane:** The rightmost pane, it shows all fields from your data. It includes a search bar and a message "You haven't loaded any data yet. Get data".
- Page Navigation:** At the bottom left, there is a "Page 1" button and a "+" button to add new pages.

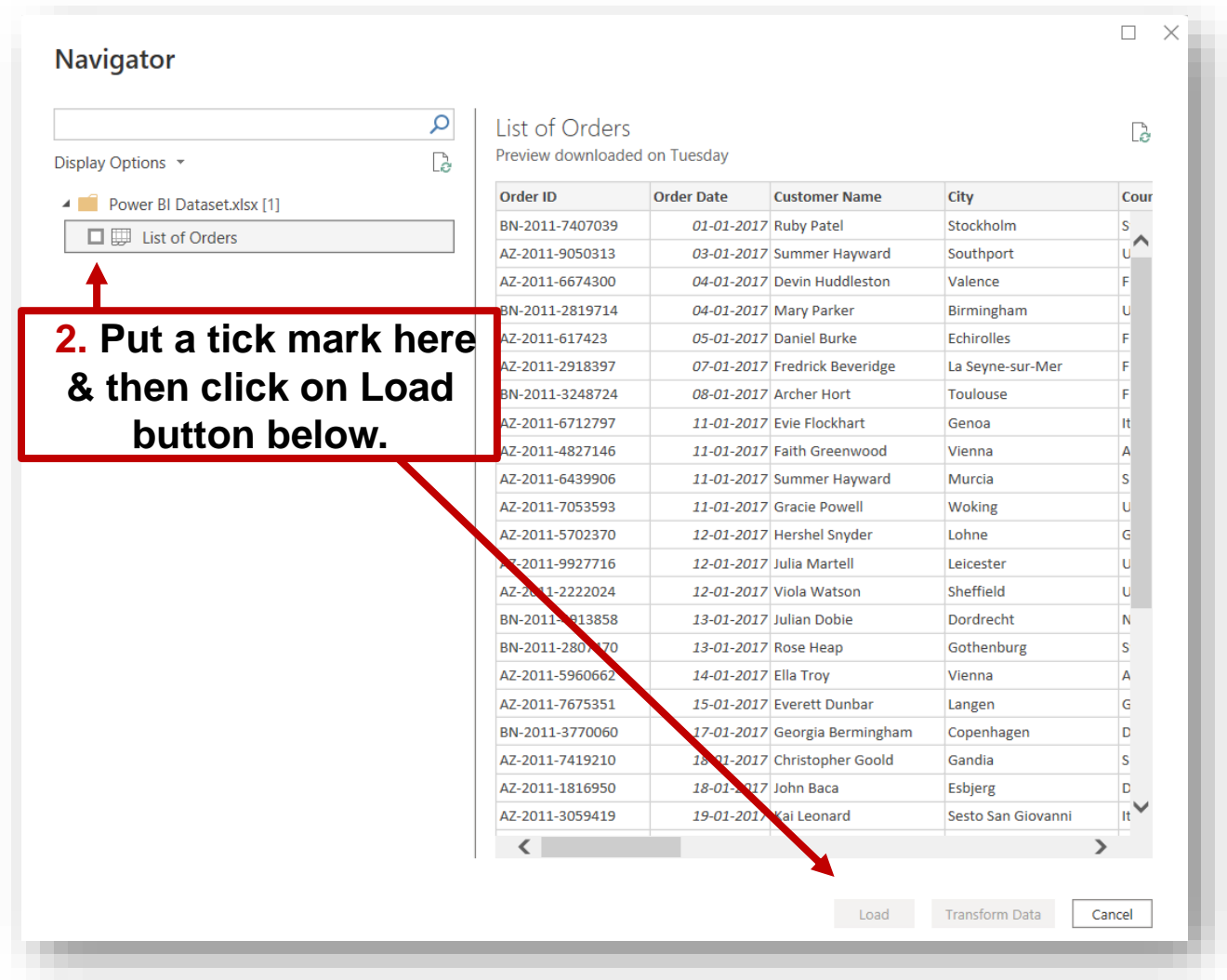
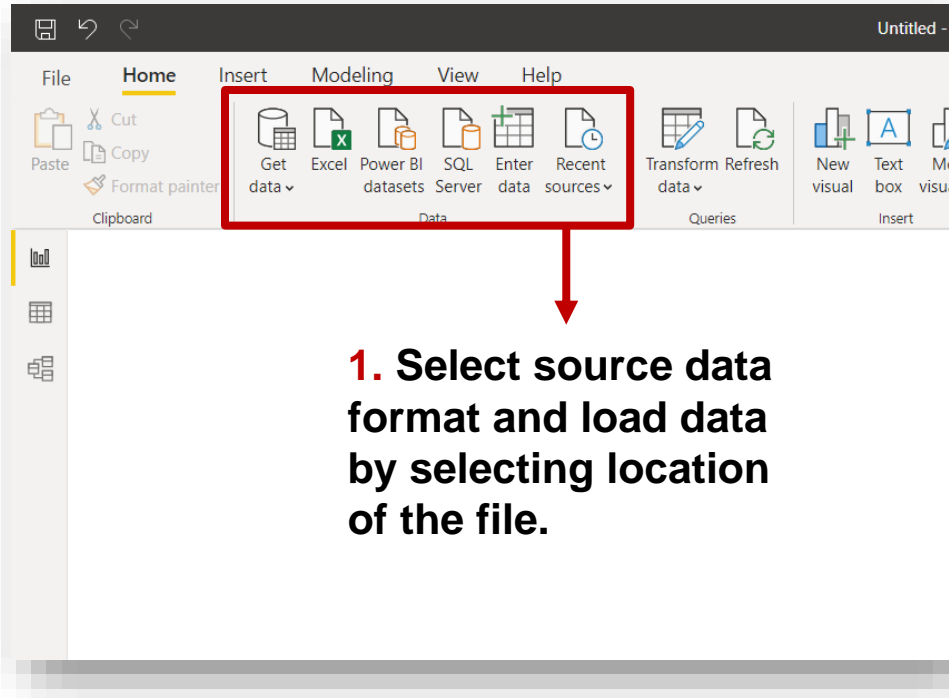
Annotations with red arrows point from the labels to the corresponding parts of the interface:

- Ribbon:** Points to the top ribbon area.
- Field Or Data Pane:** Points to the rightmost pane.
- Visuals Pane:** Points to the pane below the Field Or Data Pane.
- Filters Pane:** Points to the pane to the left of the Visuals Pane.

What Page of Dashboard are you on?

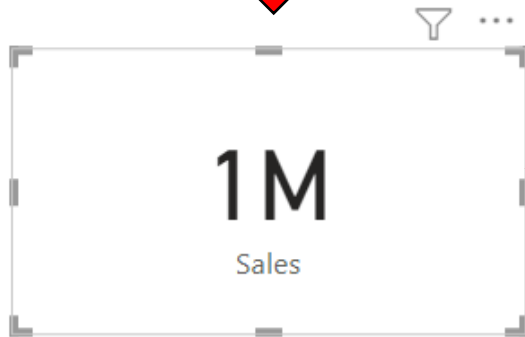
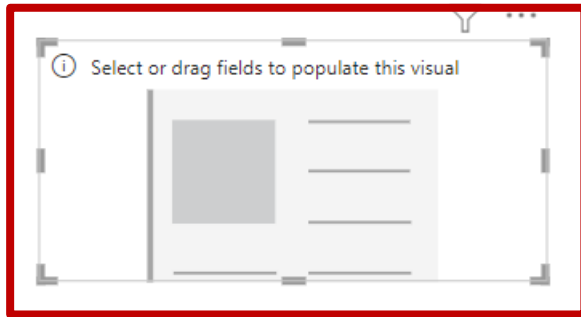
Helps you add visuals to your dashboard & format it.

Loading your data



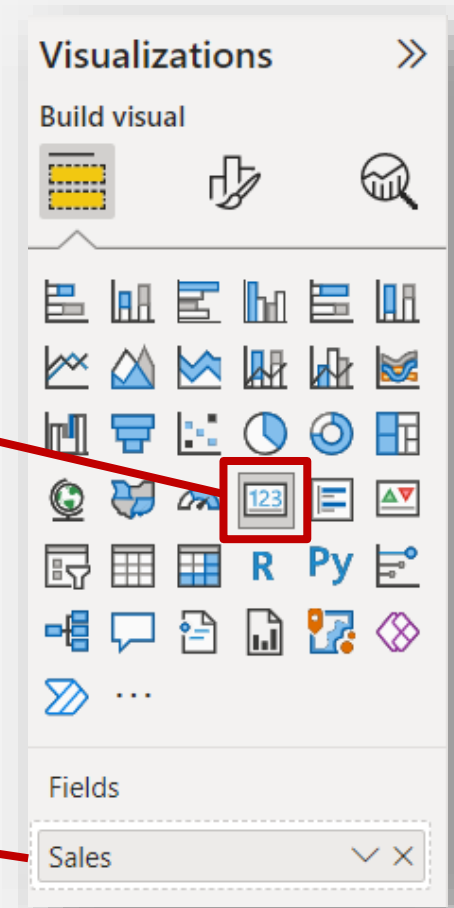
Creating a Card

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.



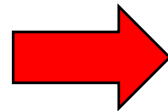
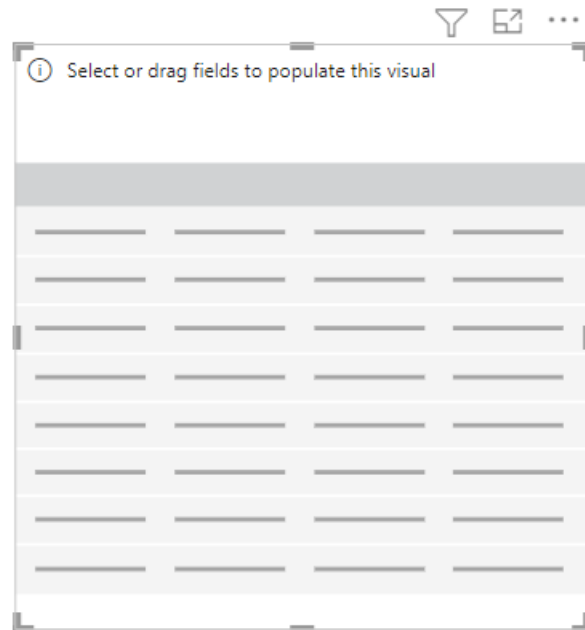
After adding Sales to card

Add numerical field in fields as shown below.



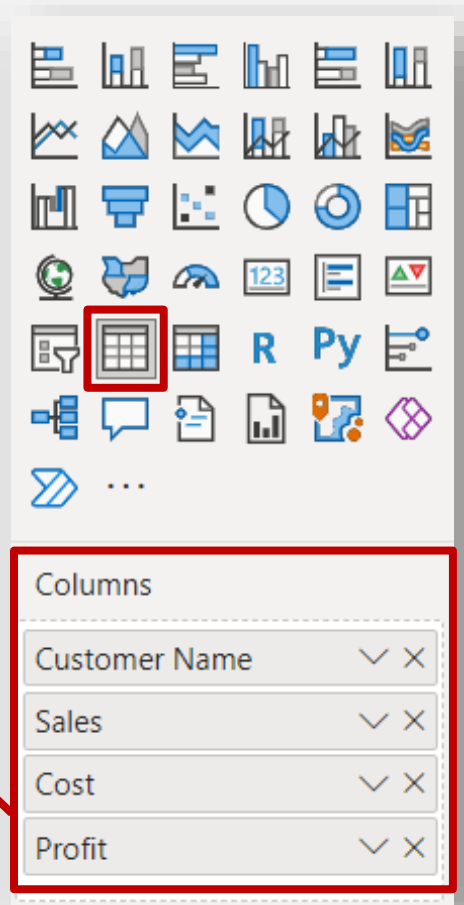
Creating a Table

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



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 Mei	1924	393	1531
Abby Muramats	1010	381	629
Abigail Humffray	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

Add any field in
columns as
shown below.

A screenshot of the Power BI interface showing the Visuals gallery and the Columns pane. In the Visuals gallery, the table icon is highlighted with a red box. A red arrow points from this icon to the Columns pane. The Columns pane is also highlighted with a red box and contains the following fields: Customer Name, Sales, Cost, and Profit. Each field has a dropdown arrow and a close button (X) to its right.

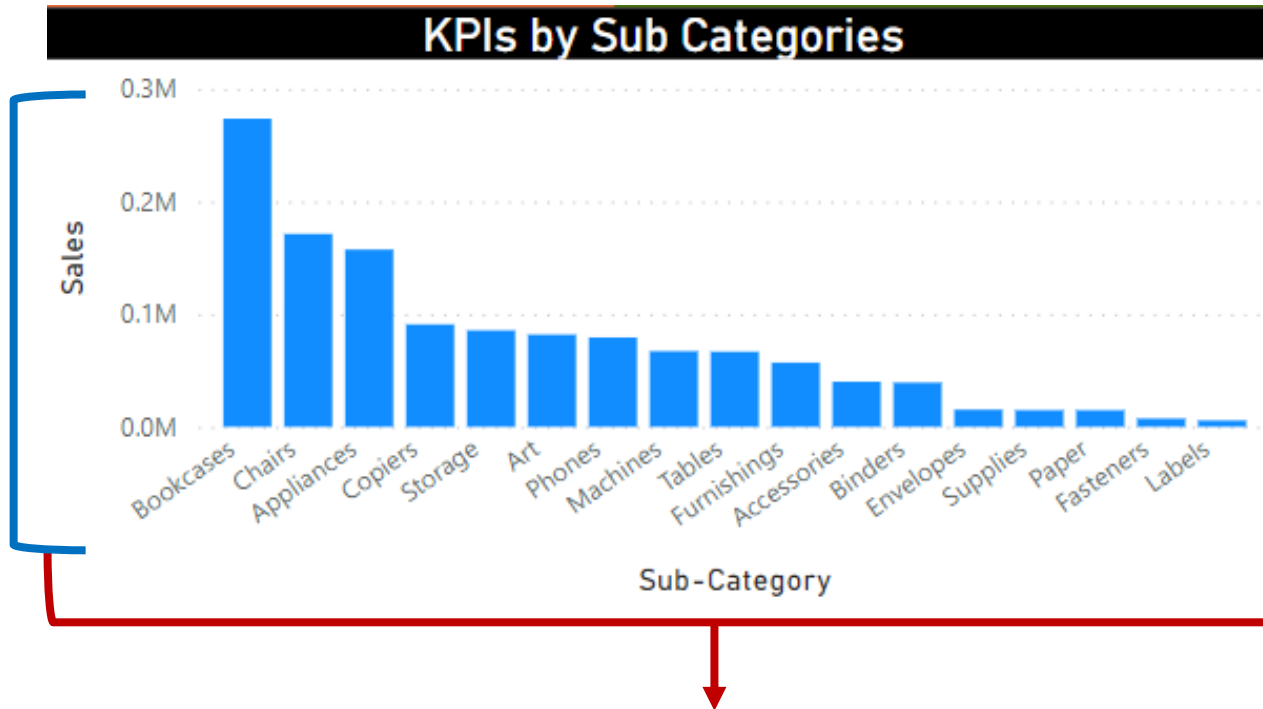
Columns

Customer Name	▼	×
Sales	▼	×
Cost	▼	×
Profit	▼	×

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.

The configuration panel shows the following settings:

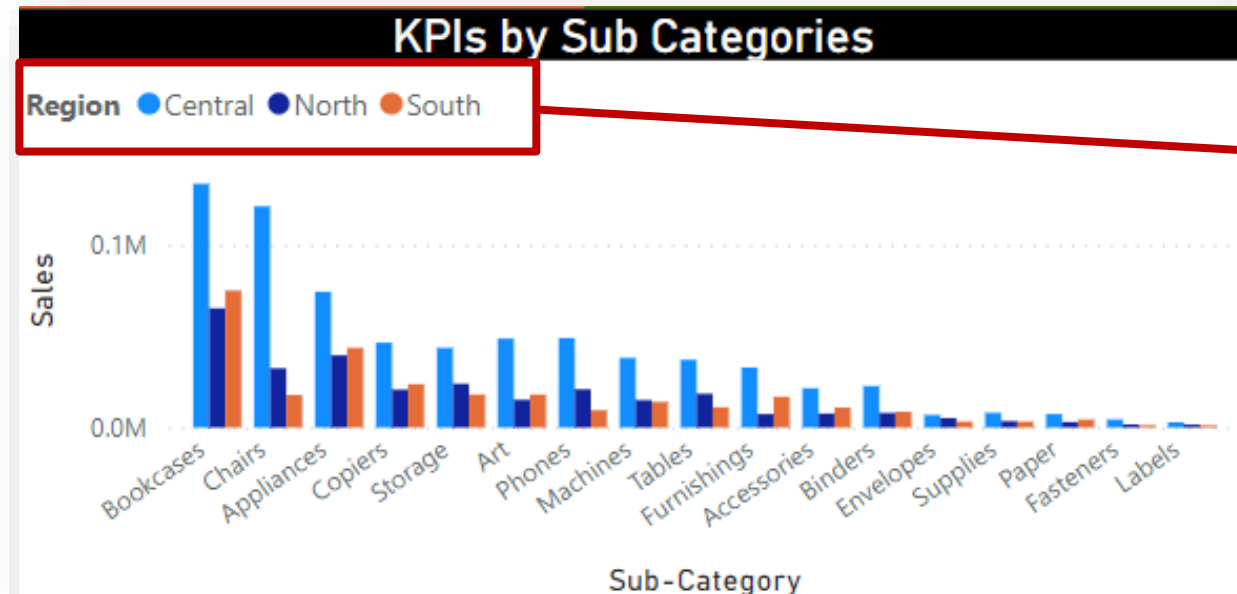
- X-axis:** Sub-Category
- Y-axis:** Sales
- Legend:** Add data fields here
- Small multiples:** Add data fields here
- Tooltips:** Profit

Creating a Column Chart – Legend

Legend further divides your visual into different colors by adding a second level of breakdown.

Adding Region to legend breaks all our subcategories from 1 column for each subcategory to 3 columns for each sub-category, all having different colors.

For ex – 1 Column of bookcases becomes 3 columns of Bookcases from Central, Bookcases from North & Bookcases from South.



Add fields in Legend as shown below.

X-axis

Sub-Category

Y-axis

Sales

Legend

Region

Small multiples

Add data fields here

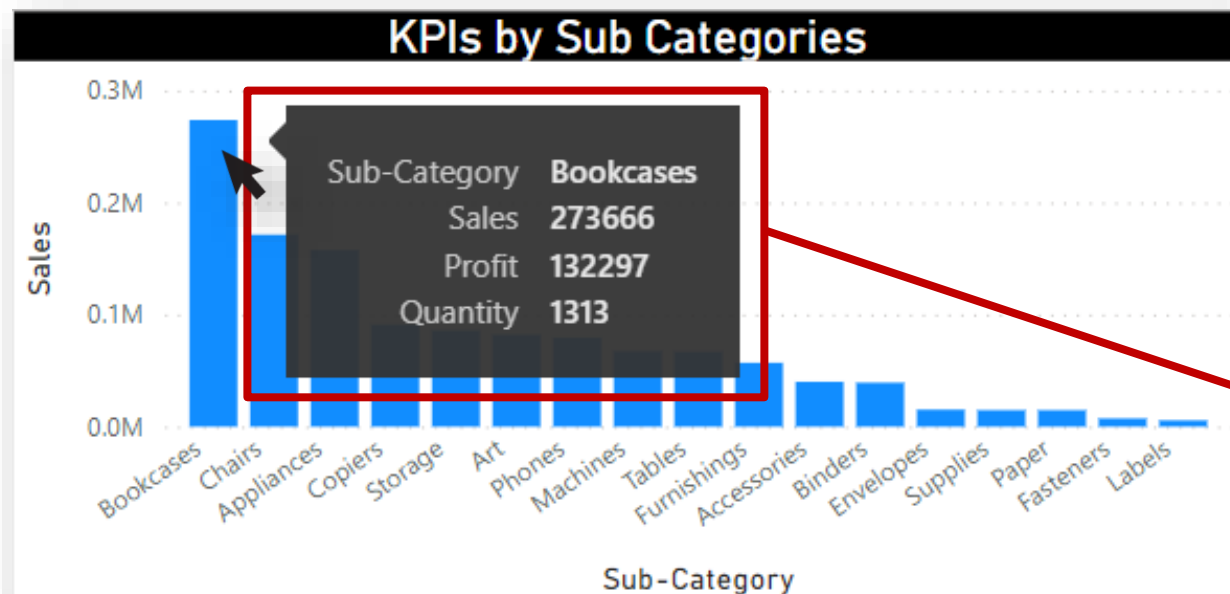
Tooltips

Profit

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.



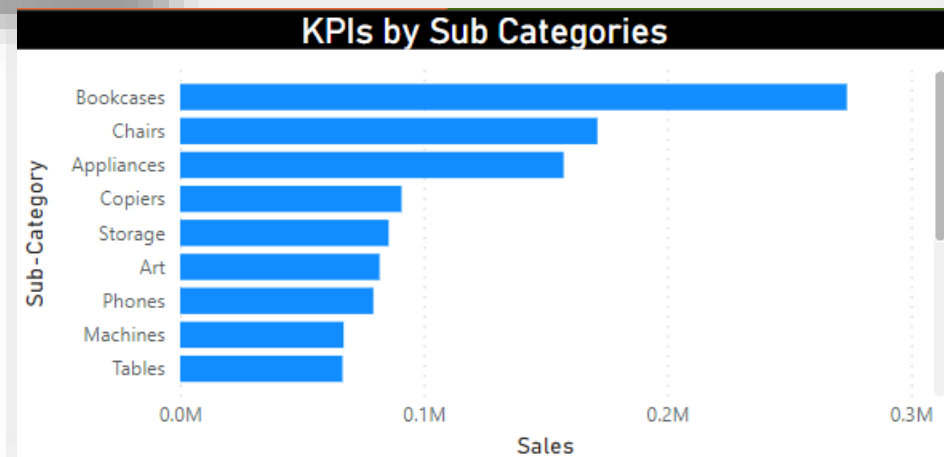
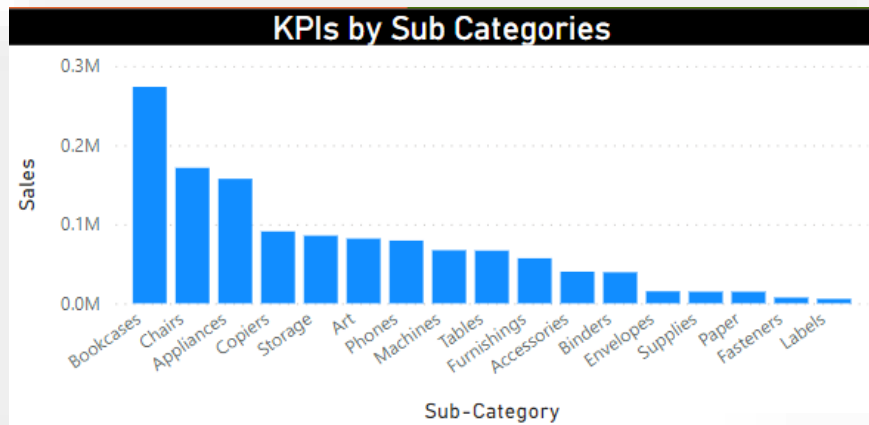
Add fields in Tooltips as shown below.

The configuration panel shows the following settings:

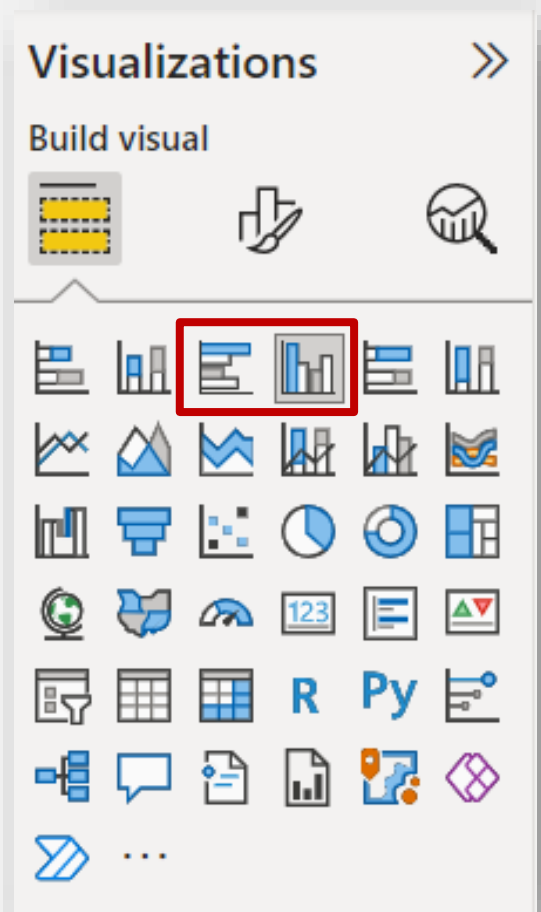
- X-axis:** Sub-Category
- Y-axis:** Sales
- Legend:** Add data fields here
- Small multiples:** Add data fields here
- Tooltips:** Profit

Creating a Bar Chart from a Column Chart

To create a Bar Chart, all you have to do is create a Column Chart & then click on Bar Chart icon in Visualization Pane to convert it to a Bar Chart.



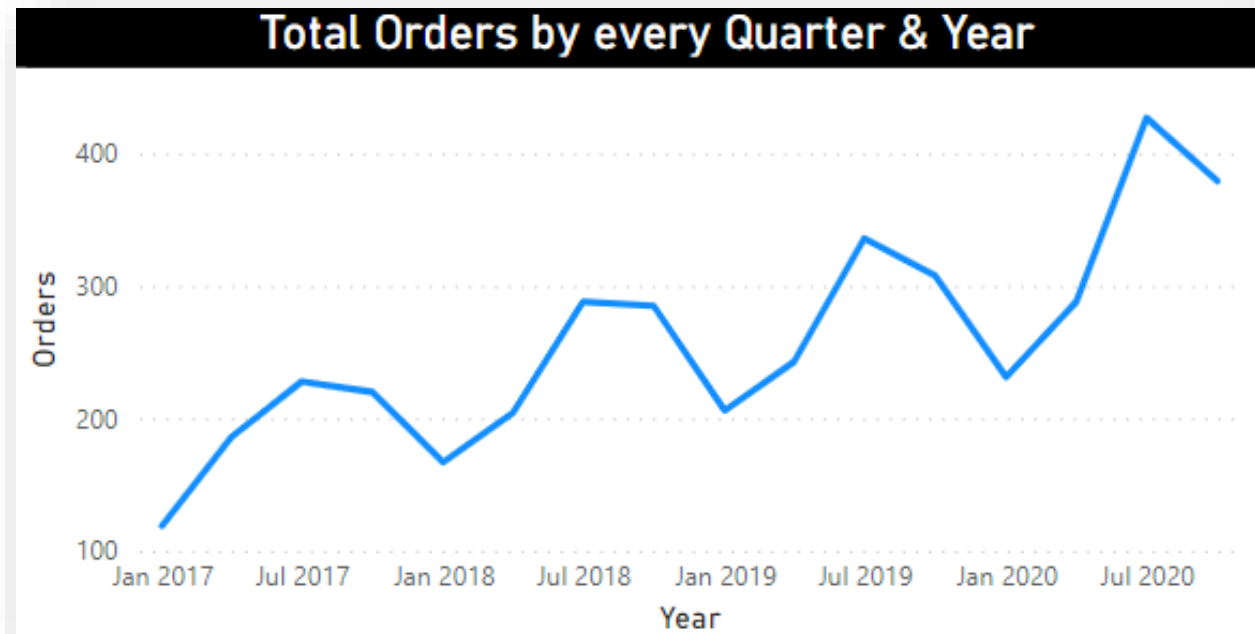
Switch from right icon to left icon.



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.



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

X-axis

Order Date

Year

Quarter

Y-axis

Count of Order ID

Secondary y-axis

Add data fields here

Legend

Add data fields here

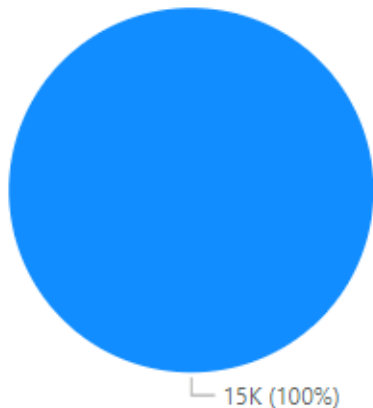
Creating a Pie Chart

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.

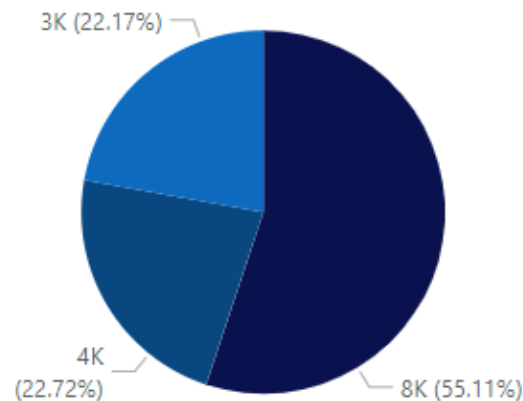
Step 1: Added Qty as Values

Quantity Sold by Region



Step 2: Added Region as Legend

Quantity Sold by Region



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

Legend

Region

Values

Quantity

Details

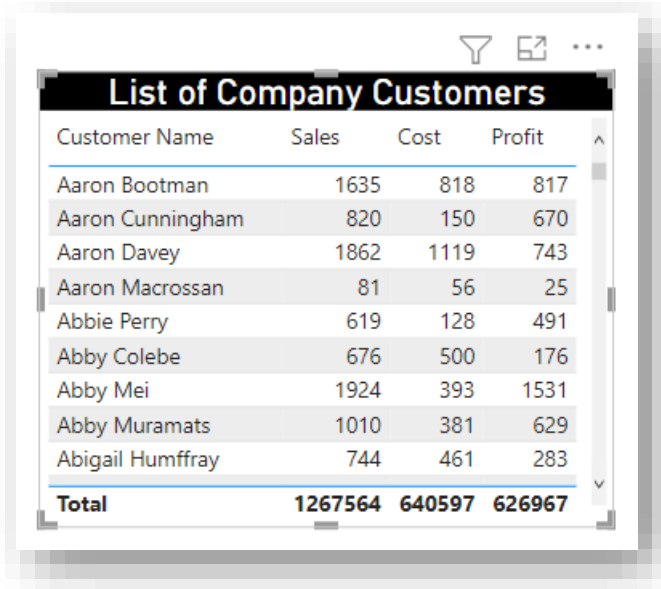
Add data fields here

Tooltips

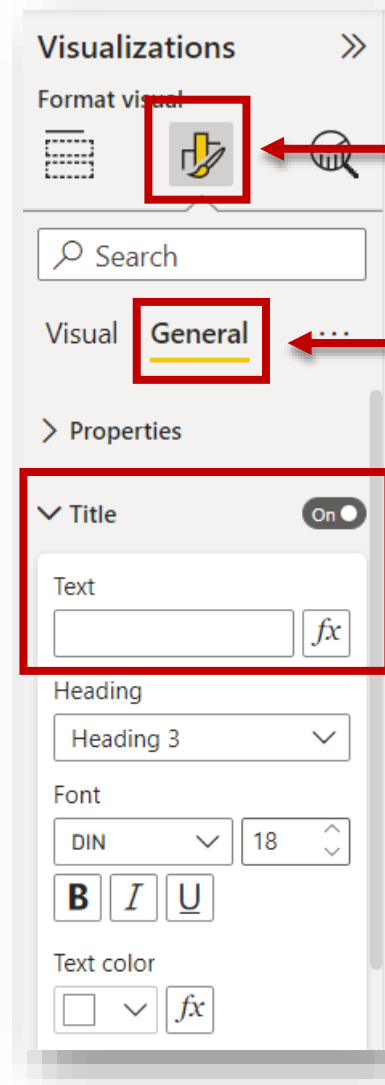
Add data fields here

FAQ: How to add / change title of a visual

1. Select the visual by clicking on it.



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 Mei	1924	393	1531
Abby Muramats	1010	381	629
Abigail Humffray	744	461	283
Total	1267564	640597	626967



Visualizations

Format visual

Search

Visual **General**

> Properties

▼ Title On

Text

Heading

Heading 3

Font

DIN 18

B *I* U

Text color

2. Click on the Format Visual icon under the Visualizations Pane.

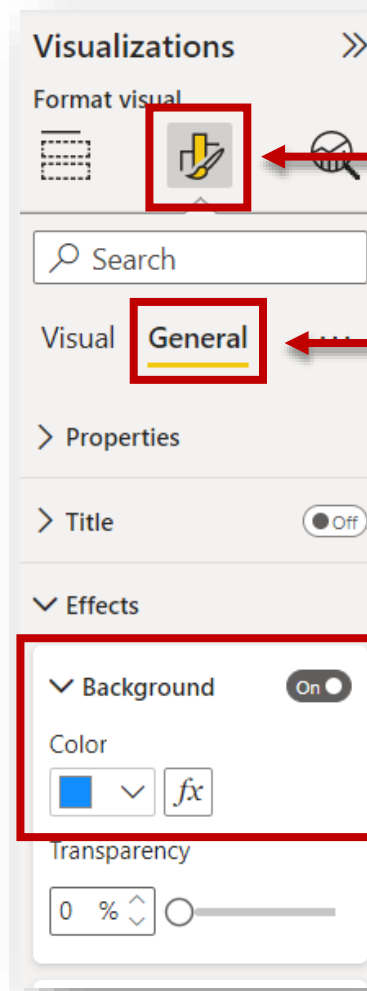
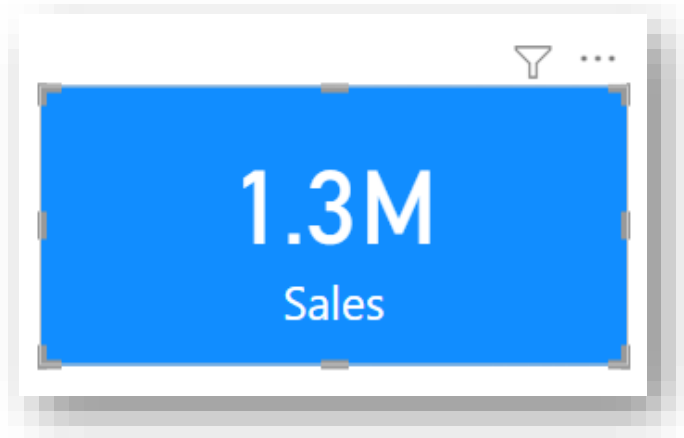
3. Click on the General Tab

4. Enable title & add your title under "Text"

Tip: You can further format title by adding background, changing font style, etc by using the options below "text".

FAQ: How to change background of a scorecard (or any other visual)

1. Select the visual by clicking on it.



2. Click on the Format Visual icon under the Visualizations Pane.

3. Click on the General Tab

4. Go to “Background” under the Effects Section & Change the color by clicking on **color icon.**

What's happening in the **Mega Day 2 Session tomorrow @ 11 AM?**

1. Enhance your **entire dashboard** to make it analysis worthy
2. Learn how to **refresh your data** with 1 button click
3. Make your dashboard **TRULY interactive** for insights
4. Learn to share your dashboard (**offline + online**) + even **inside PPTs**
5. Learn all about the **Power BI Service** environment
6. Find out the power of **Artificial Intelligence** in Power BI
7. Solve case studies & questions for your Monday meeting & get a **promotion + a salary hike**
8. Get “**X**” amazing bonuses that will be a game changer for your career

High Value **EXCLUSIVE BONUSES**
ONLY GIVEN LIVE IN THE DAY 2 SESSION
TOMORROW AT 11 AM MORNING



Combined worth more than **Rs 16,000!**
+ 3 More Bonuses worth Rs 20,000