PRC 2025

The Inspiring Magic of Data Visualization



Slide Template Created By 24Slides





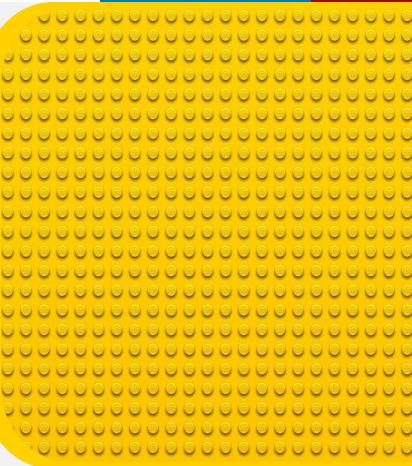


Courtney Kearney, CPSM

Founder & Owner









Where are my Lego nerds?



0000

Raise your hand if you love Lego







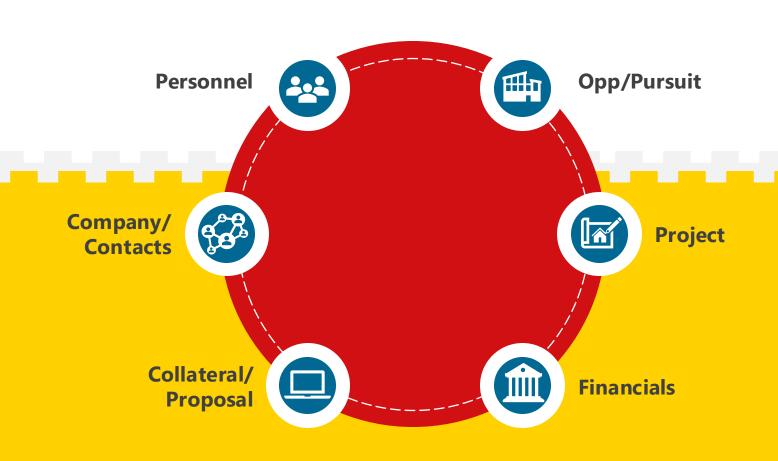
Magical Journey

Lego Bricks = Raw Data





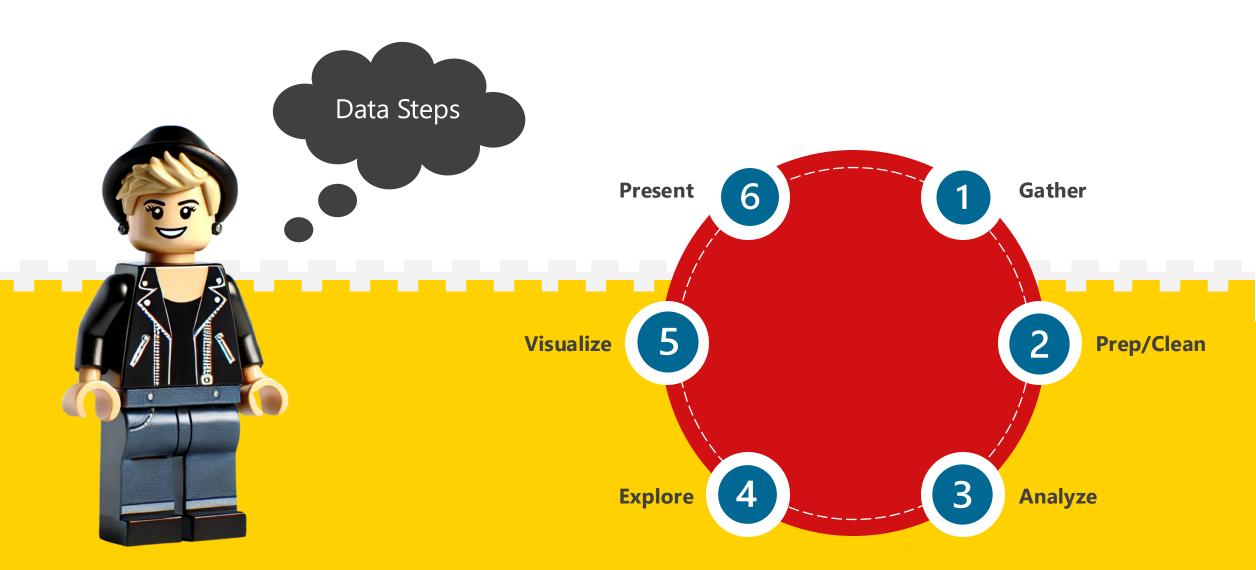
















Gather
 Prep/Clean



Big Data

- It's not about collecting the most data
- It's about making sense of it
- Connecting the dots across multiple sources

Processing Data

- Removing duplicates
- Handling missing values
- Standardizing formats









Identify

- Trends and patterns
- Outliers or erroneous data
- Main takeaway

GenAl Tools

- Generate executive summaries with key takeaways
- Gain deeper insights
- Alternative perspectives









Selection Matters

- Choose the right visual to make your insights digestible
- Avoid clutter keep simple and focused

Deliver the Findings

- Presentation shapes perception
- Delivery method impact the final product





Raw Pursuit Data

A	С	D	E	F	G	н	
1 Opportunity Num	b Stage	Firm Estimated Fe	Days in Stag -	Firm Org Division	Prospect Type	Firm Org Office	۳
2 22-0002	01-Prospecting	\$123,987	535	Healthcare	New Client	Dallas	
3 21-0002	01-Prospecting	\$123,456	1102	Aviation	Repeat Client	Austin	
4 23-0003	01-Prospecting	\$234,876	326	Healthcare	New Client	Dallas	
5 23-0001	01-Prospecting	\$345,765	380	Healthcare	New Client	Dallas	
6 21-0026	01-Prospecting	\$555,500	914	Aviation	Repeat Client	Mexico City	
7 21-0044	01-Prospecting	\$246,802	654	Healthcare	Repeat Client	Dallas	
8 21-0029	01-Prospecting	\$192,837	654	Landscape	New Client	Dallas	
9 21-0010	01-Prospecting	\$908,756	985	Landscape	Repeat Client	Austin	
10 21-0009	01-Prospecting	\$890,567	985	Aviation	New Client	Austin	
11 21-0028	01-Prospecting	\$765,345	914	Healthcare	Repeat Client	Dallas	
12 21-0012	01-Prospecting	\$136,332	985	Municpal	New Client	Dallas	
13 22-0012	01-Prospecting	\$135,801	405	Healthcare	New Client	Dallas	
14 23-0008	02-Prospecting (Converted Lead)	\$247,221	254	Landscape	Repeat Client	Dallas	
15 20-0005-001	02-Prospecting (Converted Lead	\$2,643,880	277	Aviation	New Client	Boca Raton	
16 21-0027	03-Received RFP/RFQ	\$5,000,123	914	Commercial	Repeat Client	Atlanta	





What if every cell was a Lego brick?

A	С	D	E	F	G	н	
Opportunity Nu	umb - Stage	Firm Estimated Feg	Days in Stag	Firm Org Division	Prospect Type	Firm Org Office	
22-0002	01-Prospecting	\$123,987	535	Healthcare	New Client	Dallas	
21-0002	01-Prospecting	\$123,456	1102	Aviation	Repeat Client	Austin	
23-0003	01-Prospecting	\$234,876	326	Healthcare	New Client	Dallas	
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21-0044	01-Prospecting	\$246,802	654	Healthcare	Repeat Client	Dallas	
21-0029	01-Prospecting	\$192,837	654	Landscape	New Client	Dallas	
21-0010	01-Prospecting	\$908,756	985	Landscape	Repeat Client	Austin	
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21-0028	01-Prospecting	\$765,345	914	Healthcare	Repeat Client	Dallas	
21-0012	01-Prospecting	\$136,332	985	Municpal	New Client	Dallas	
22-0012	01-Prospecting	\$135,801	405	Healthcare	New Client	Dallas	
23-0008	02-Prospecting (Convert	\$247,221	254	Landscape	Repeat Client	Dallas	
20-0005-001	02-Prospecting (Convert	\$2,643,880	277	Aviation	New Client	Boca Raton	
21-0027	03-Received RFP/RFQ	\$5,000,123	914	Commercial	Repeat Client	Atlanta	





How does that translate to Lego?



Steps

- 1. Gather Box sets or loose bricks
- 2. **Prep** Instruction book or imagination
- 3. Analyze Pull the pieces
- **4. Explore** Sort
- **5. Visualize** Connect
- **6. Present** Challenge accepted









Data Outliers

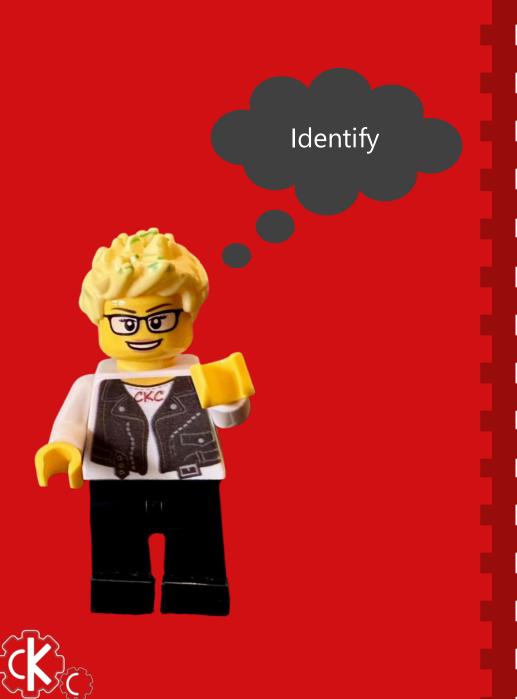
Data point(s) significantly different from the rest **Ex:** All the \$ are in the millions but one is in the hundreds

Typos

Ex: An @ instead of the letter a

4	A	С	D	E	F	G	н
1	Opportunity Numb	Stage	Firm Estimated Feg	Days in Stag -	Firm Org Division	Prospect Type	Firm Org Office
2	22-0002	01-Prospecting	\$123,987	535	Healthcare	New Client	Dallas
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Brick Outliers

All the orange and green







Sorting Data

Which column of data will you sort by?

- Alphabetically by Company Name
- Decreasing by Dollar Value
- Increasing by Opp/Project Number

1	А	С	D	E	F	G	н
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Sorting Bricks

How will you sort the bricks?

- Color
- Size











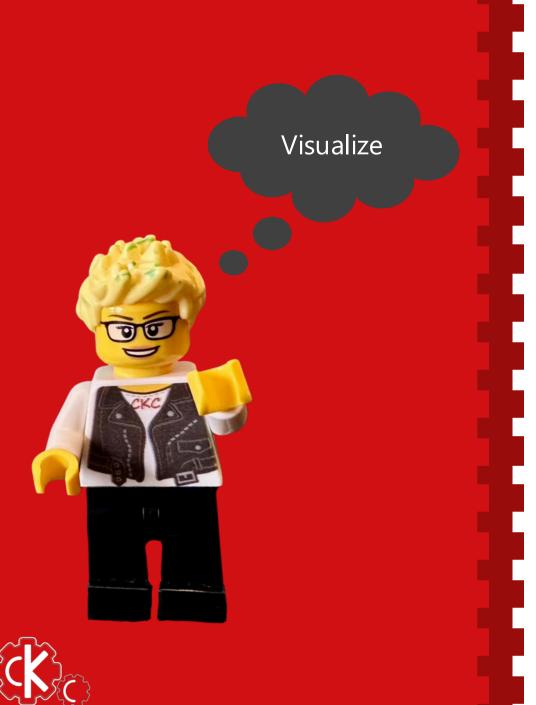


Visualizing Data

How will you show your data?

- Table
- Chart / Graph
- Diagram / Gauge
- Infographic / Flowchart
- Map (Heat, Area, etc.)

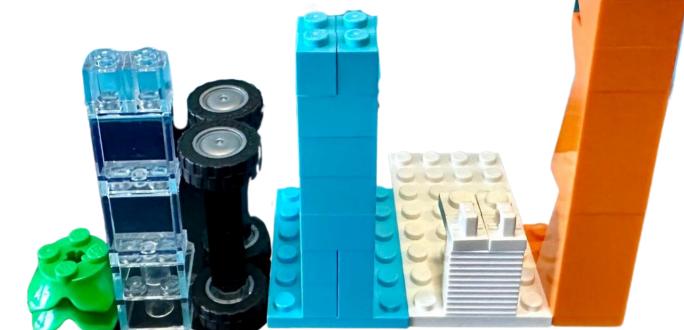


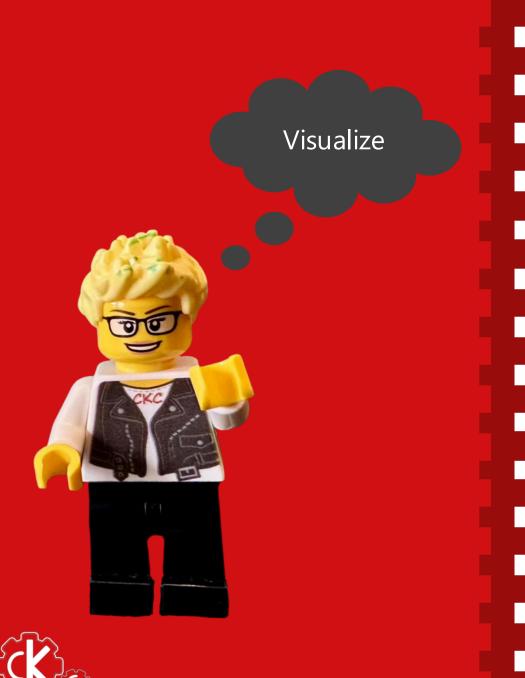


Visualizing Bricks

How will you display the bricks?

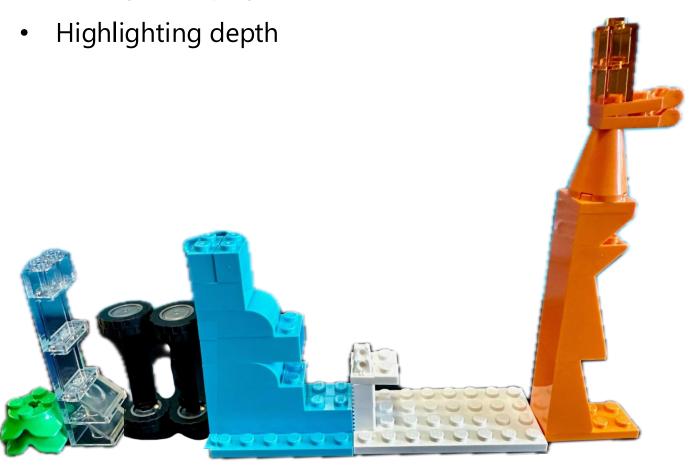
Highlighting height





Visualizing Bricks

How will you display the bricks?



Present













Remember our brick outliers?







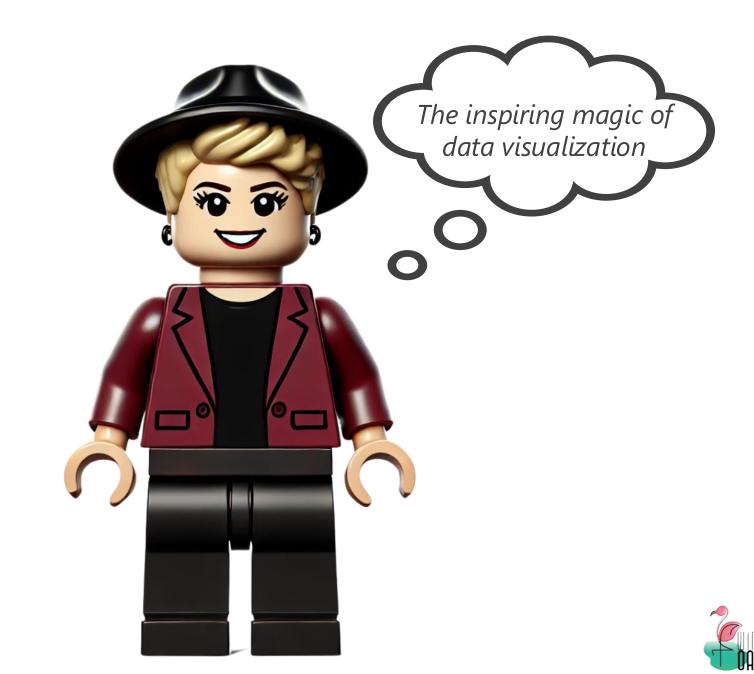
It's important to understand your data!















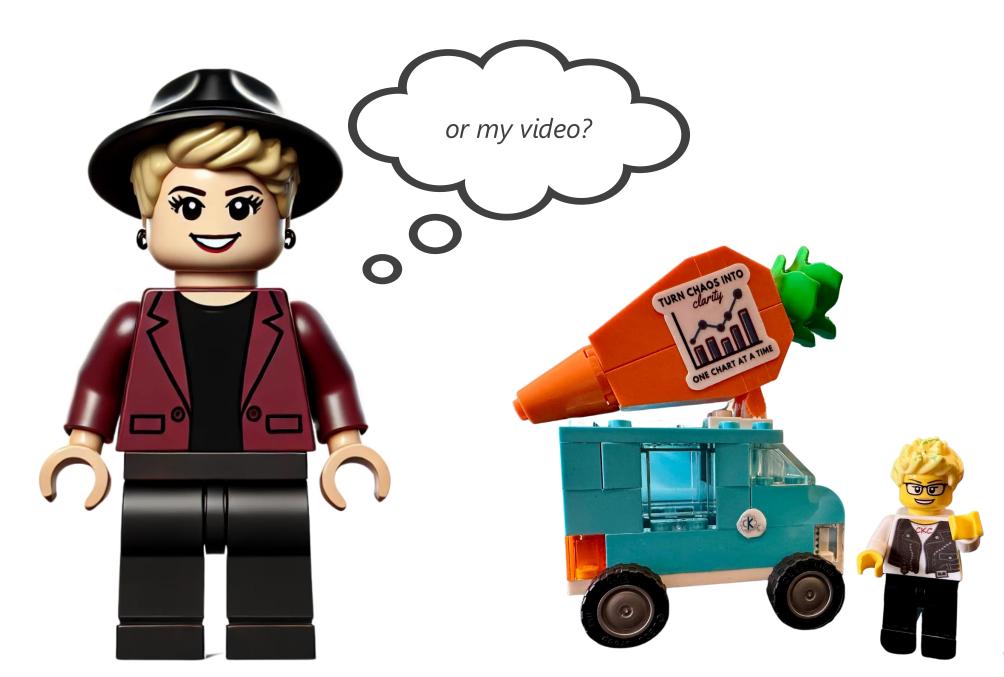
















Data Storytelling Requires Context





Data Storytelling Requires Context







Context

What are you trying to accomplish by sharing the data? **Purpose** What action do you want to drive with the story? The 'who' determines your objective, tone and call to action. **Audience** What level of data literacy do they have? How will this be presented? **Delivery** Slides, print, website, social media, etc. How much detail is necessary? **Depth** Keep focused on why the data matters?





Using GenAl to find context





Using GenAl

Gather

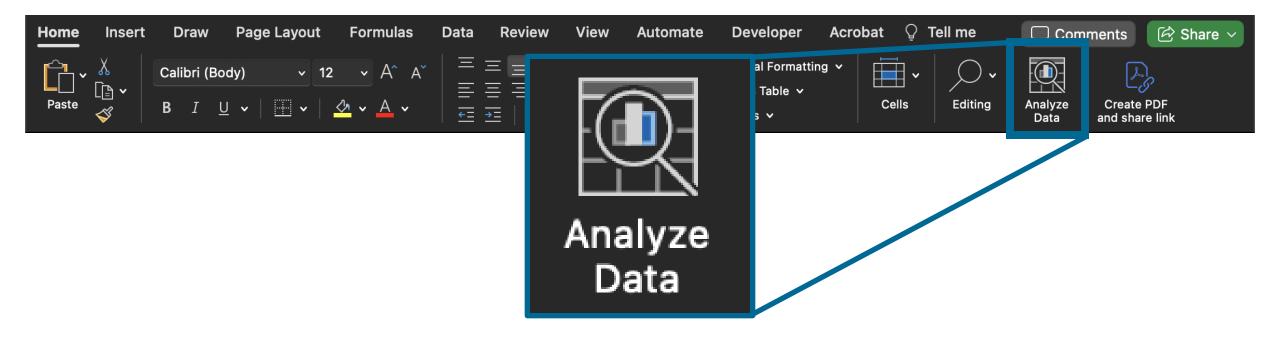


- Explain your business and ask what data you need to gather and track, what data you could be tracking.
- Explain the platforms and systems you're using, and it can help you pull the data step by step.
 - Ex: Pulling website, social media, and email campaign analytics
- Create prompt templates to process your gathered data.
- Use GenAl for data collection (e.g., automate scraping of RFPs, competitor analysis, market trends).



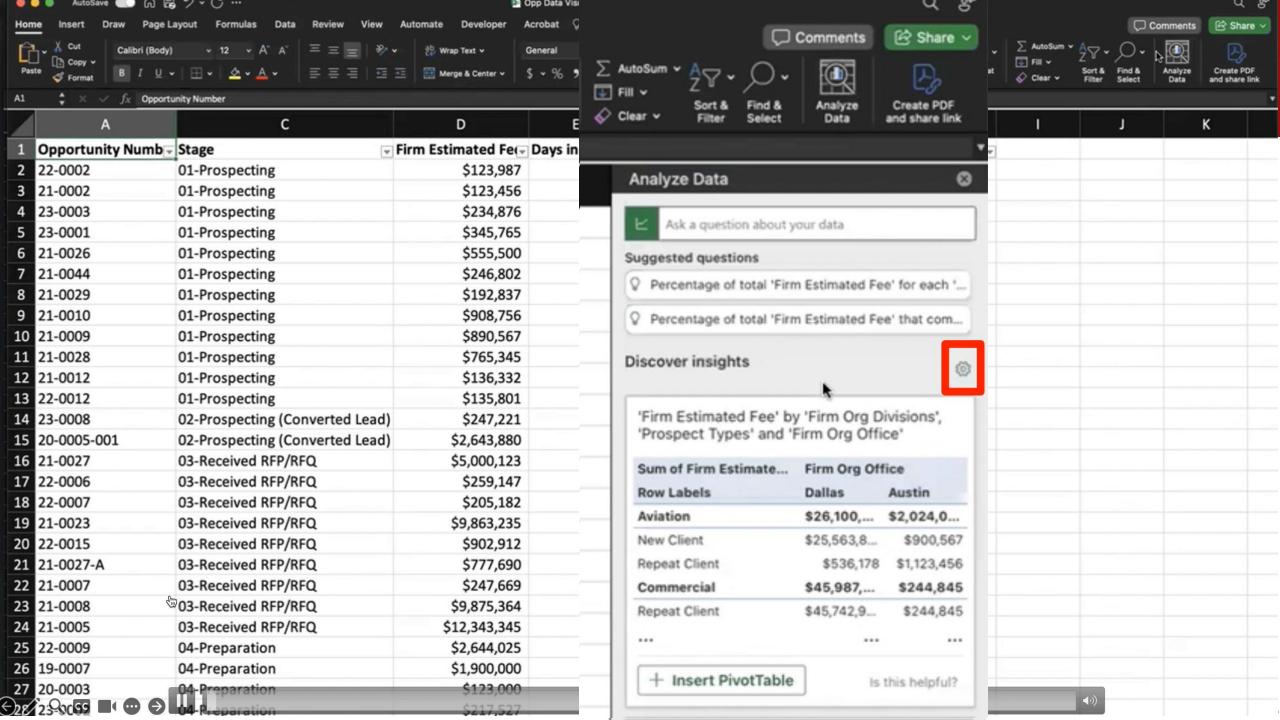


Built-In Tools









Using GenAl

Analyze



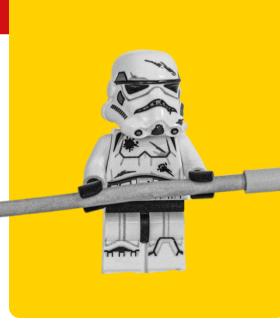
- Assist you in gathering insights by uploading your data and requesting a summary with key takeaways.
- Ask GenAI to help you better understand the purpose of your dataset and to better understand your intended audience.
- Help you tailor your data story to be impactful tying the insights to a clear call to action or recommendation.
- Makes insights accessible, use it to make them digestible.





Using GenAl

Visualize



- Use GenAl to suggest the best visual to represent your data (bar chart, scatter plot, heatmap, etc.).
- Pick the GenAl tool based on your needs and expertise level (drag-and-drop vs. code-driven).
- Upload a data visualization, ask it to provide feedback on clarity, effectiveness, and suggest improvements.
- Website has a list of some data visualization tools.





Using GenAl

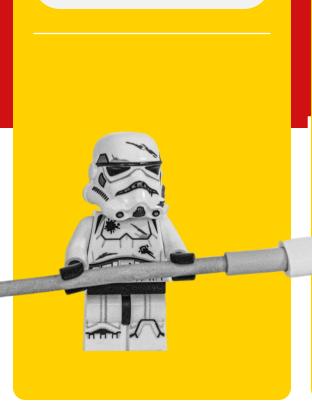
Gather



Analyze



Visualize



Review



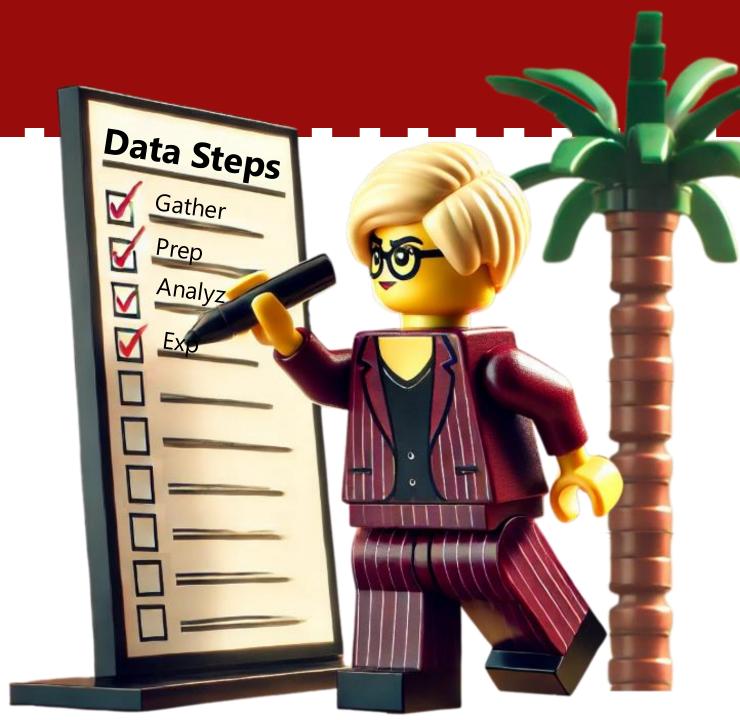




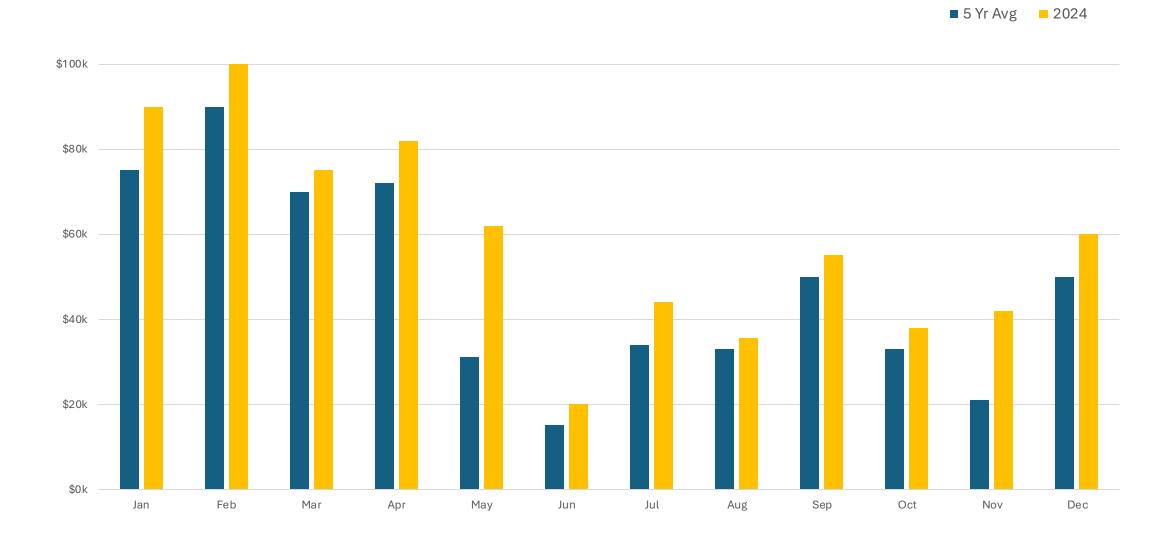


Monthly Sales

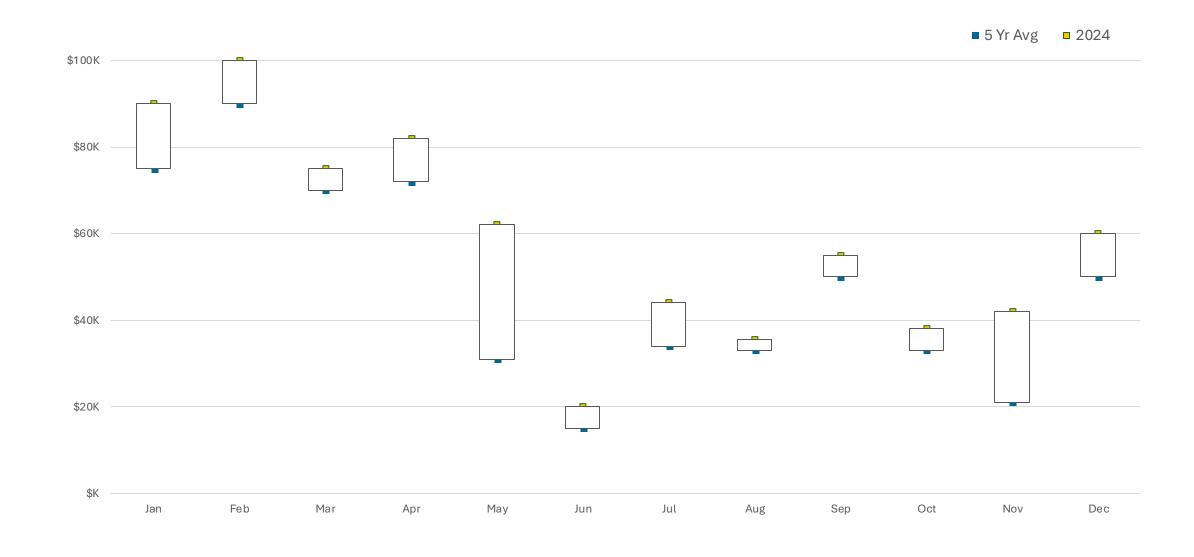
	5 Yr Avg	2024
Jan	\$ 75,000	\$ 90,000
Feb	\$ 90,000	\$ 100,000
Mar	\$ 70,000	\$ 75,000
Apr	\$ 72,000	\$ 82,000
May	\$ 31,000	\$ 62,000
Jun	\$ 15,000	\$ 20,000
Jul	\$ 34,000	\$ 44,000
Aug	\$ 33,000	\$ 35,500
Sep	\$ 50,000	\$ 55,000
Oct	\$ 33,000	\$ 38,000
Nov	\$ 21,000	\$ 42,000
Dec	\$ 50,000	\$ 60,000

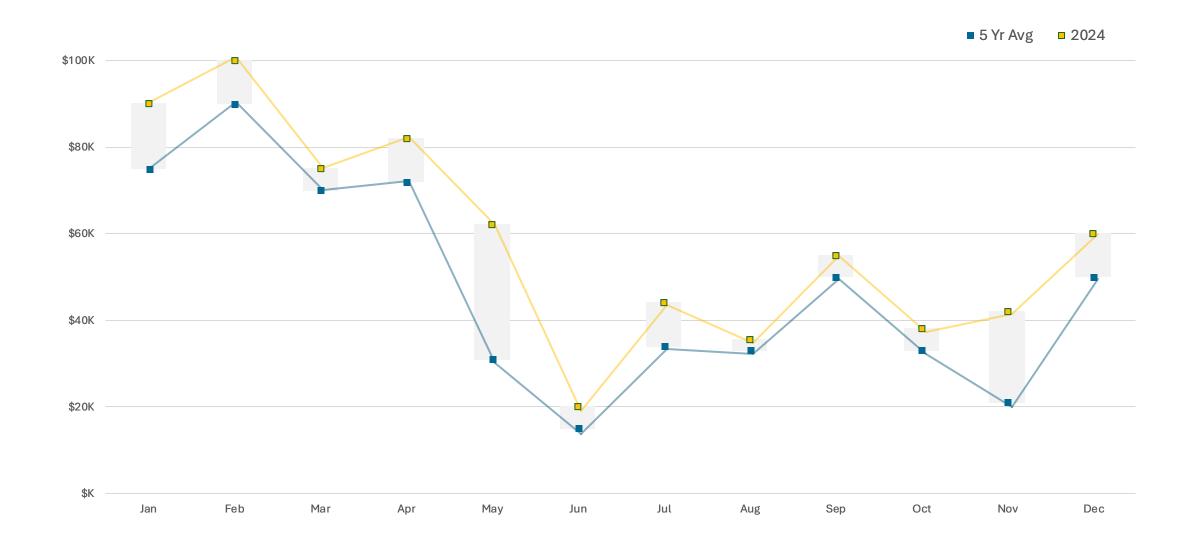




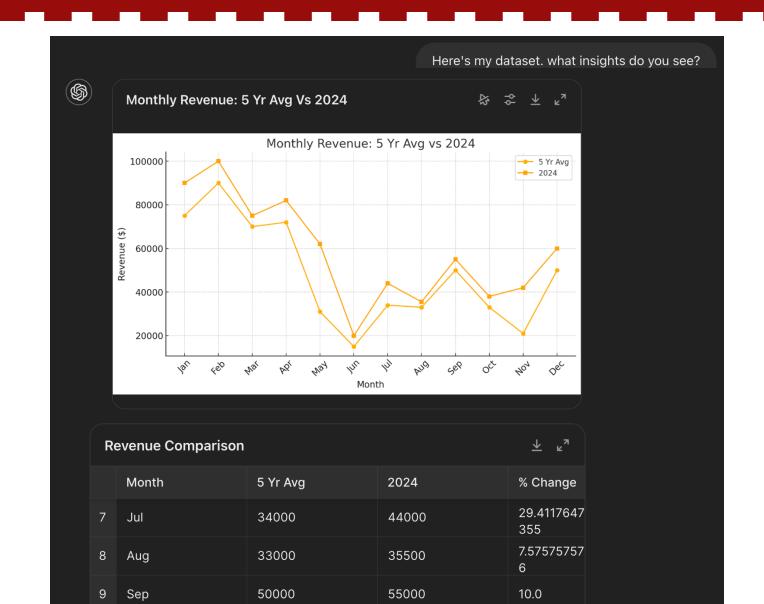




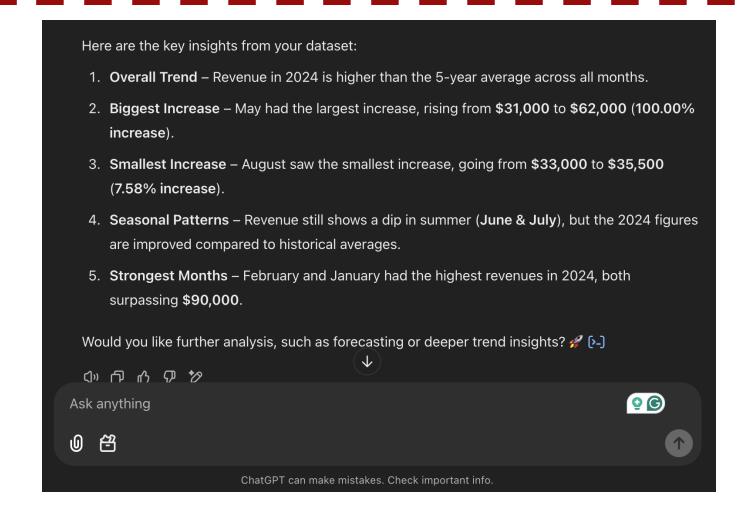




Monthly Sales – GenAl Insights



Monthly Sales – GenAl Insights

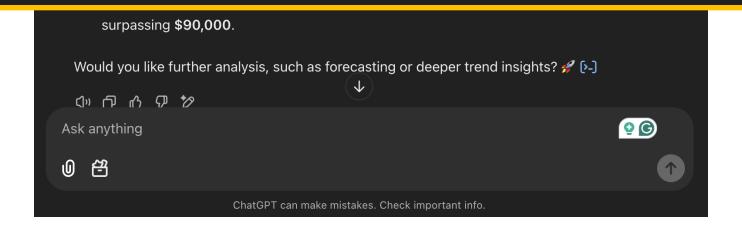


Monthly Sales – GenAl Insights

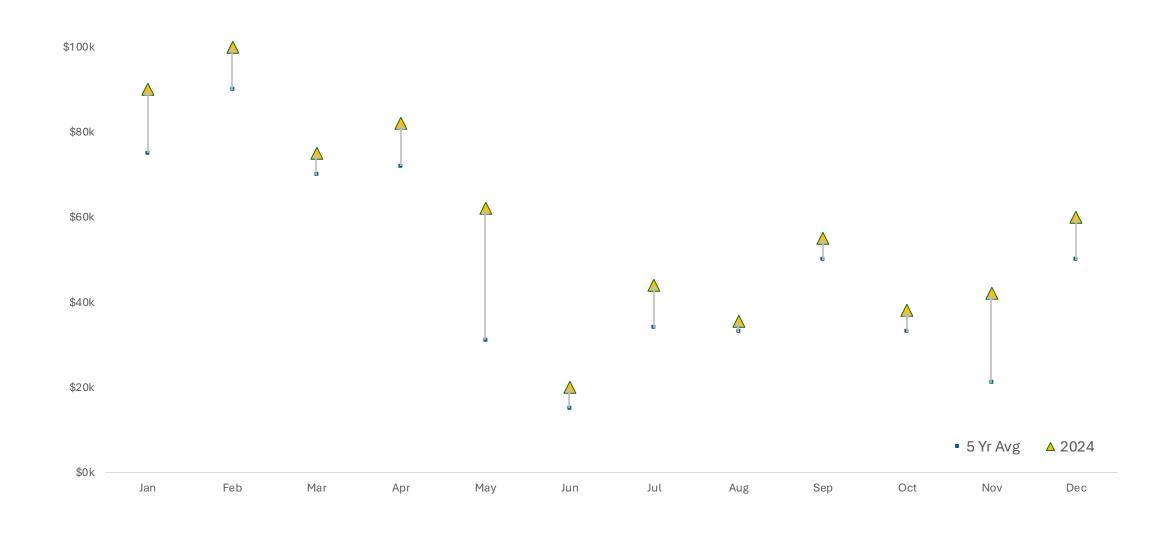
Here are the key insights from your dataset:

- 1. Overall Trend Revenue in 2024 is higher than the 5-year average across all months.
- 2. **Biggest Increase** May had the largest increase, rising from \$31,000 to \$62,000 (100.00% increase).
- 3. Smallest Increase August saw the smallest increase, going from \$33,000 to \$35,500

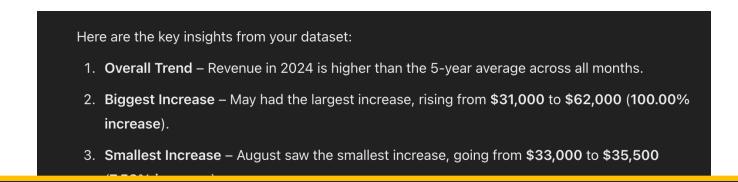
1. Overall Trend - Revenue in 2024 is higher than the 5-year average across all months.



2024 Revenue was Above Average All Year



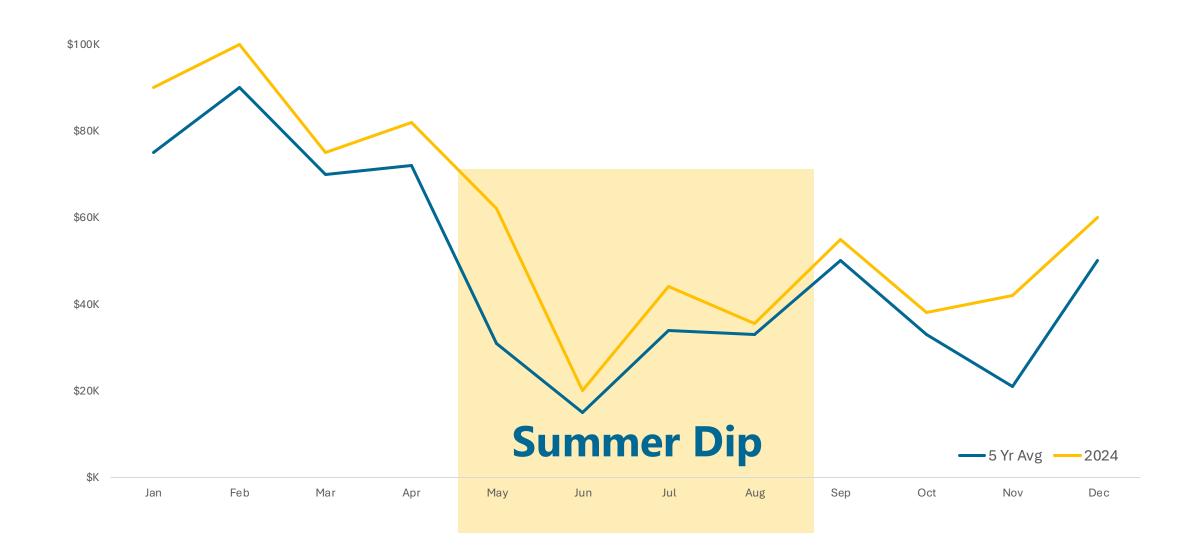
Monthly Sales – Which Story?



4. **Seasonal Patterns** – Revenue still shows a dip in summer (**June & July**), but the 2024 figures are improved compared to historical averages.

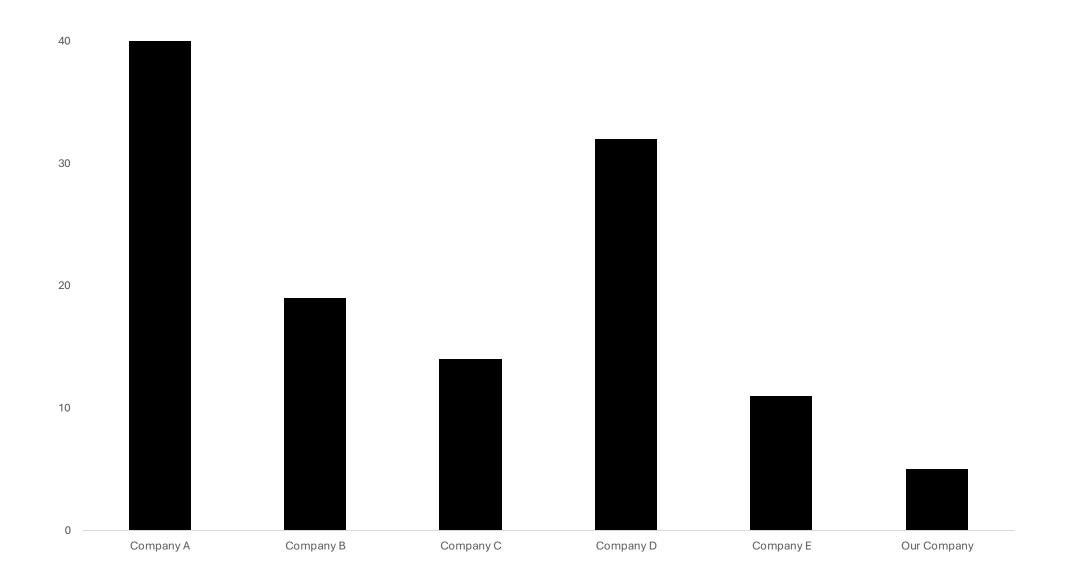


Seasonal Pattern Discovered!

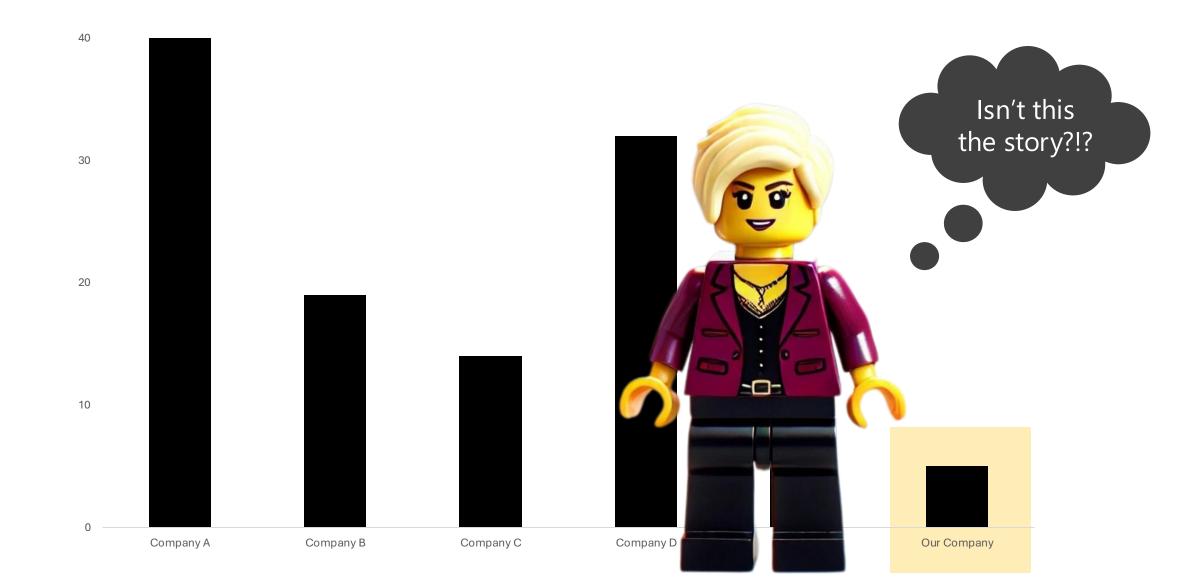




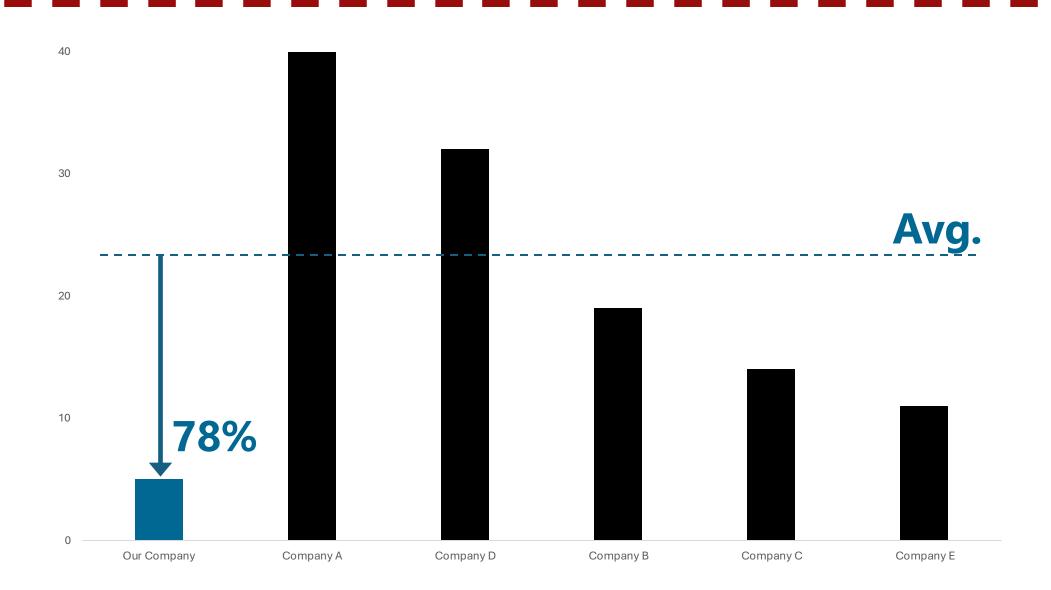
OSHA Violations



OSHA Violations



Our Company has the Fewest OSHA Violations!





storytelling | data

Resources



- Download the Big Idea worksheet
- Listen to the podcast
- Read the books
- Even to your kids!
- Practice statio a meditative pause







The powerful practice of pause



When to pause:

- Post assignment ask those clarifying questions
- After every data step gather, prep, analyze, explore, visualize

Types of pauses:

- Solo eye test, breathwork, repetitive task, movement, outside
- Collaborative colleague, FOM, chatbot of choice





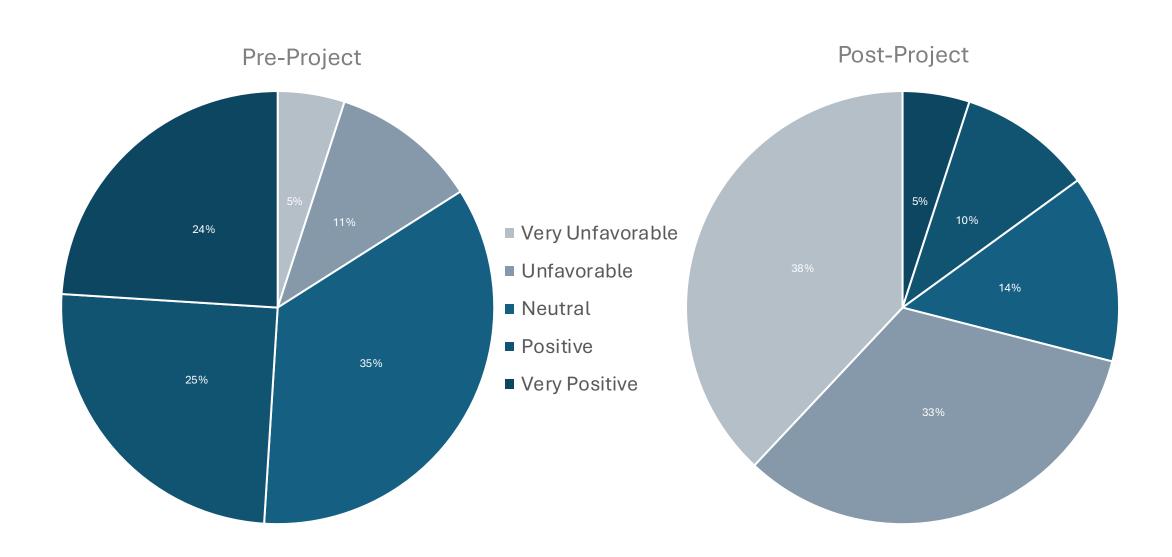


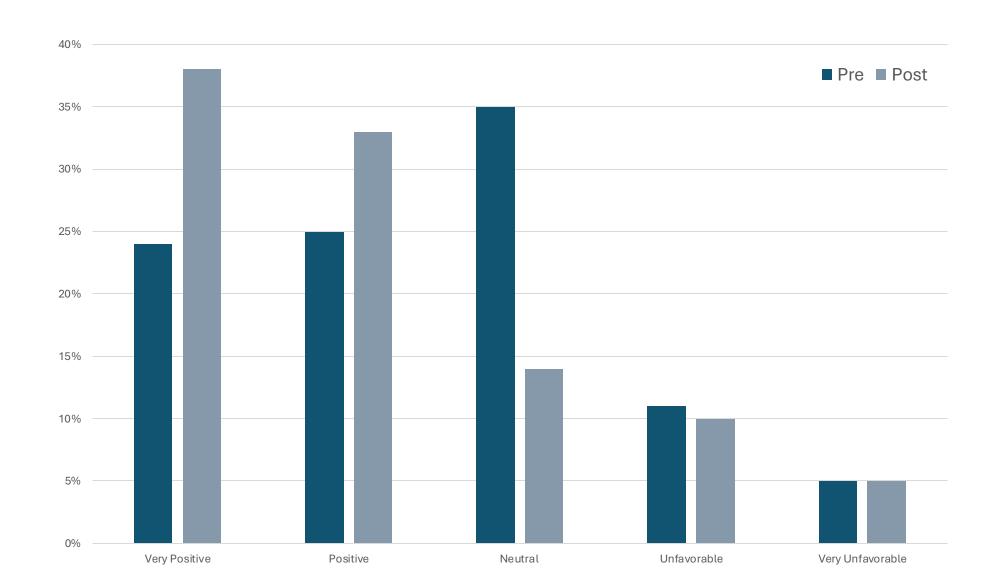


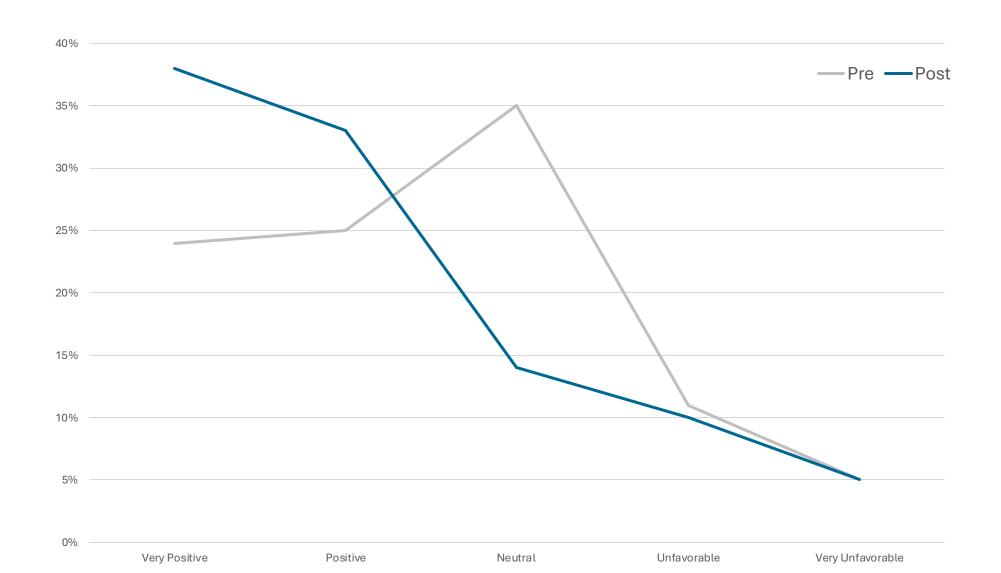
- Survey was sent to gauge the opinion of companies before and after working with us
- One question survey one a 5-point scale
- Two datasets
 - Pre = Results before becoming a client
 - Post = Results after finishing their first project with us





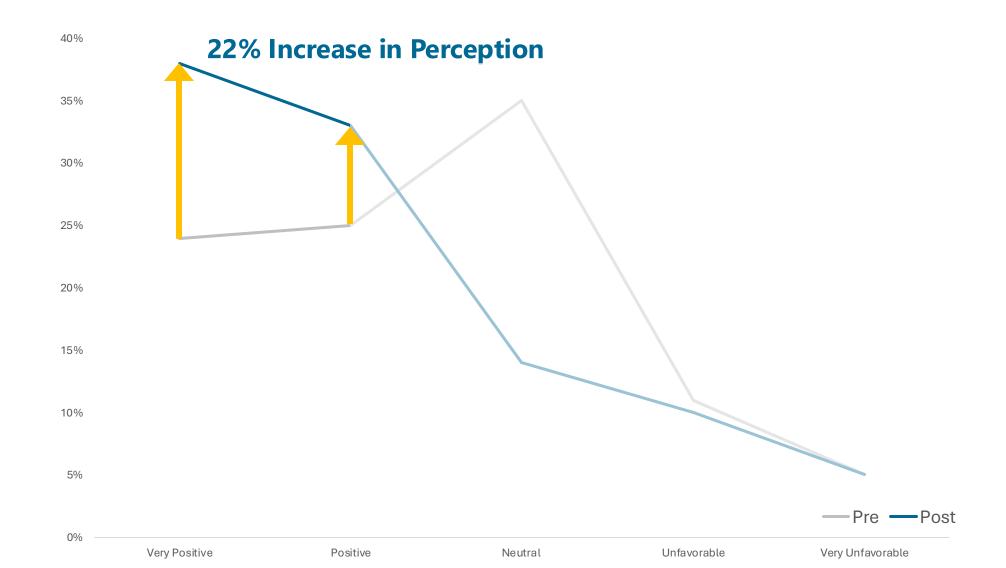




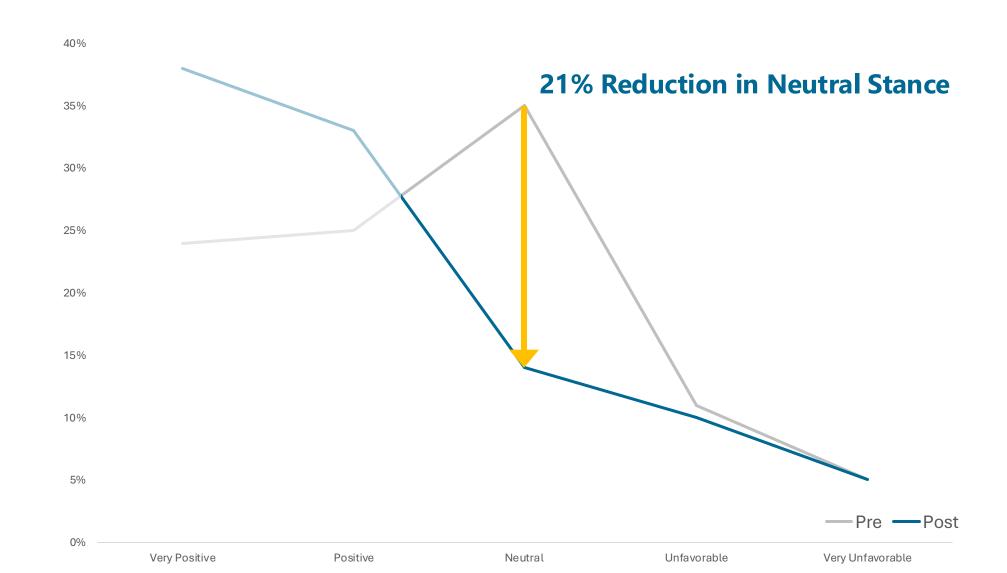


ChatGPT 4 ~ **Improved Positive Perception: There** have a 'Very Positive' perception of th (24%). The 'Positive' category also say Reduction in Neutral Stance: The 'Ne project to 14% post-project, indicating company after engaging with its serv Stable Negative Perception: Both the relatively unchanged, indicating that who already had a negative view.

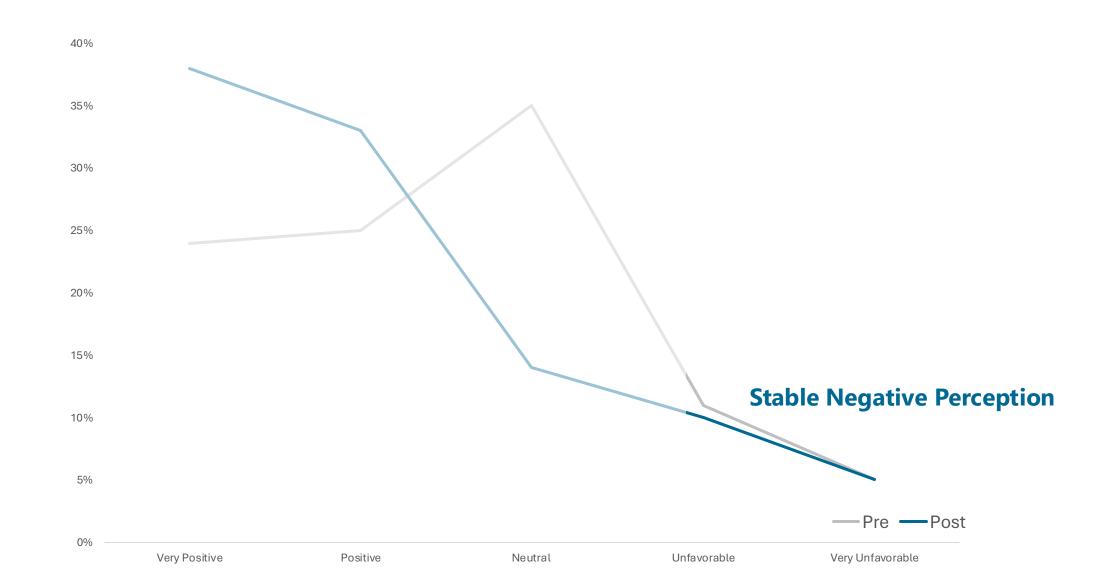
Client Survey Results - Presented



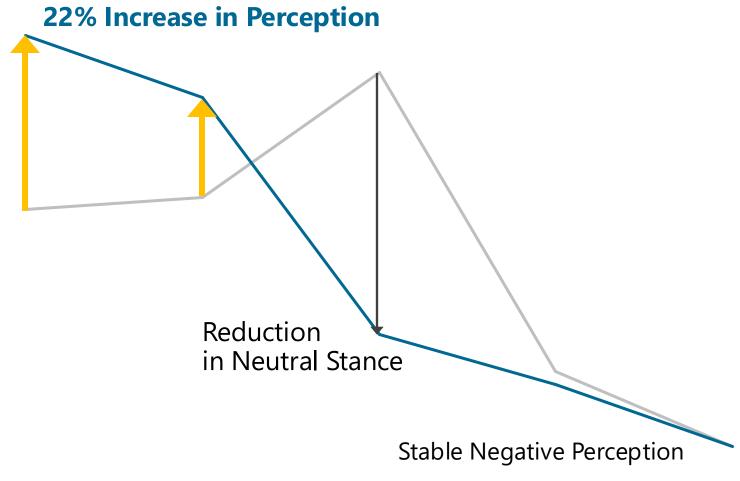
Client Survey Results - Presented



Client Survey Results – Presented



Client Survey Results – Printed



Working with us increases perception – We're doing something right!

Prospects were given a survey to gauge their opinion of our company before working with us (pre) and again after becoming clients and finishing their first project (post). The results show an overall shift towards client satisfaction and favorability.

—Pre —Post

Very PositivePositiveNeutralUnfavorableVery Unfavorable



Review

- Data Without Context is Just Numbers
 Like Lego bricks, data needs structure to be meaningful.
- Good Visualization Connects the Dots
 It's not about collecting more data, but about making sense of what you have.
- How You Present Data Shapes Perception
 Different visuals can change how a story is interpreted.
- **GenAl is a Powerful Assistant in Your Data Journey**Utilize all the tools available to you.
- Drive Action Through Storytelling
 The best data stories engage, inform, and impact your audience inspiring action.





My Challenge to You

Before you create your next data visualization,

Pause

To let the inspiring magic happen!





