

# APPLIED DATA STORYTELLING TECHNIQUES IN POWER BI

#### **About me**

Anders Mayland Larsen

Data Visualization Manager at **PANDÖRA**Behavioral Economist

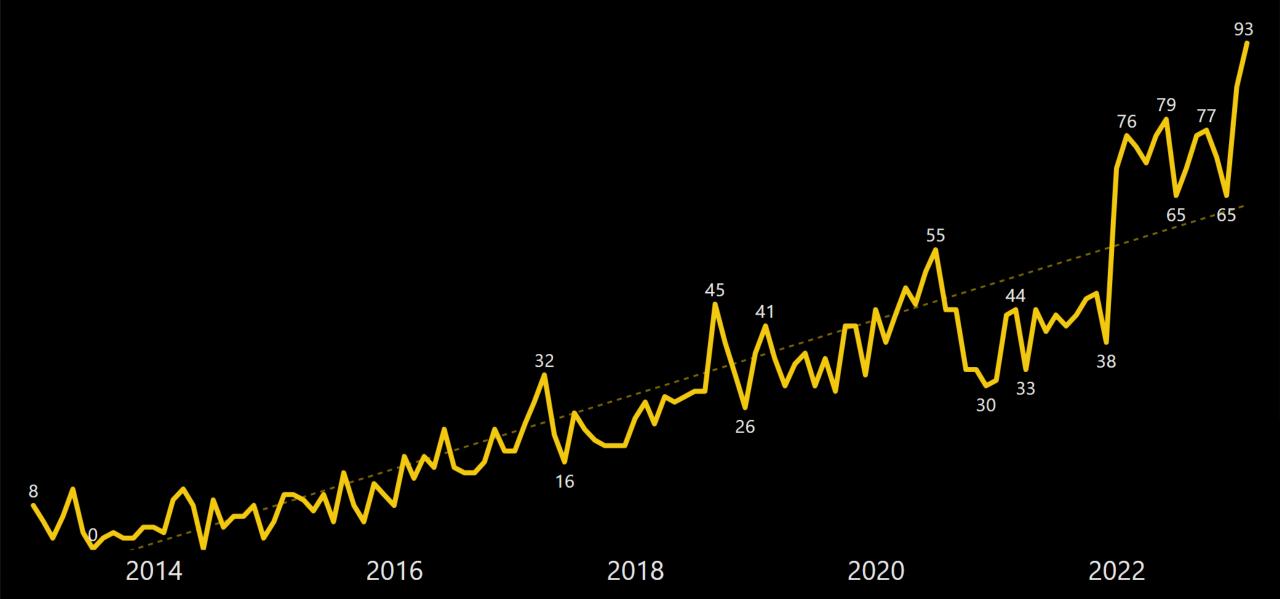
Worked with Power BI since before sorting and filtering in the data view was possible.

I like food, Star Wars and lifting heavy things.

in /andersmaylandlarsen



The **popularity** of the term "**Data Storytelling**" on Google has increased by **191** % since **December 2019**.



Data Storytelling Definition

Data storytelling is a method of communicating insights by combining narrative with data visuals.

Data Storytelling Definition

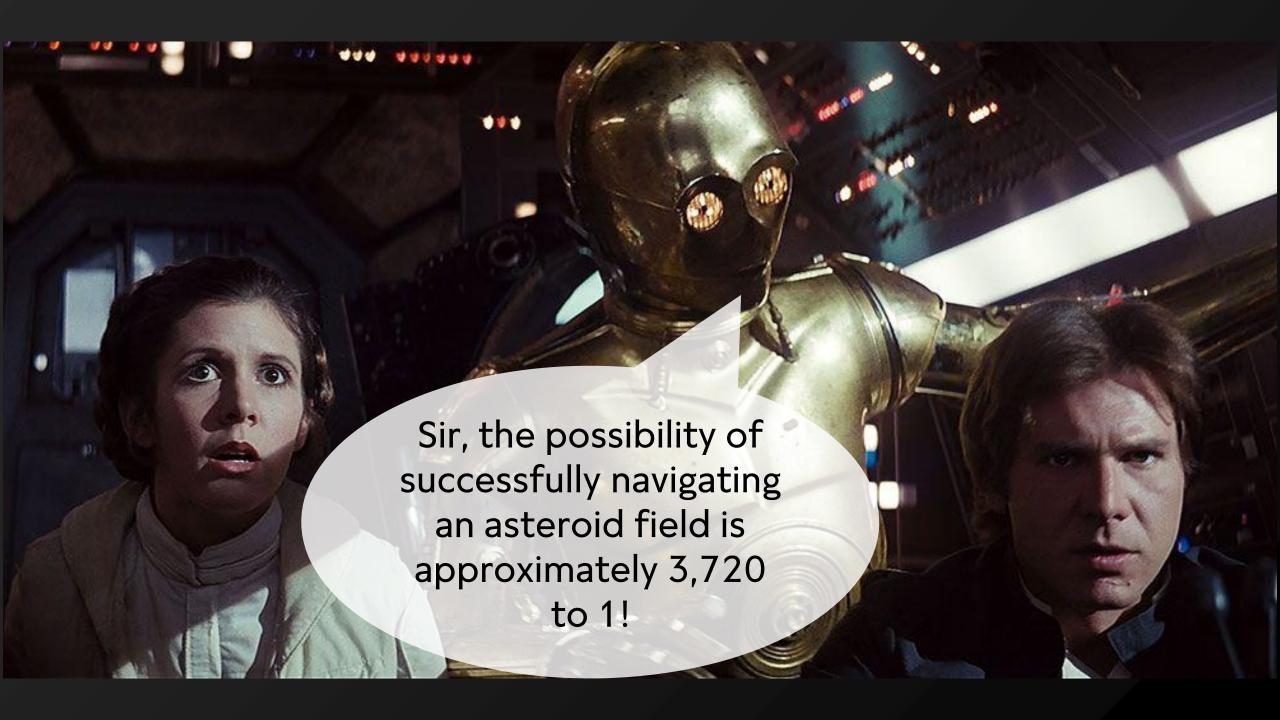
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imparting information

an unexpected shift in our perception

story, describing series of events













1. Selection bias



- 1. Selection bias
- 2. Outlier consideration



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- 3. Lack of narrative



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- 2. Outlier consideration
- 3. Lack of narrative
- 4. Lack of visual anchor



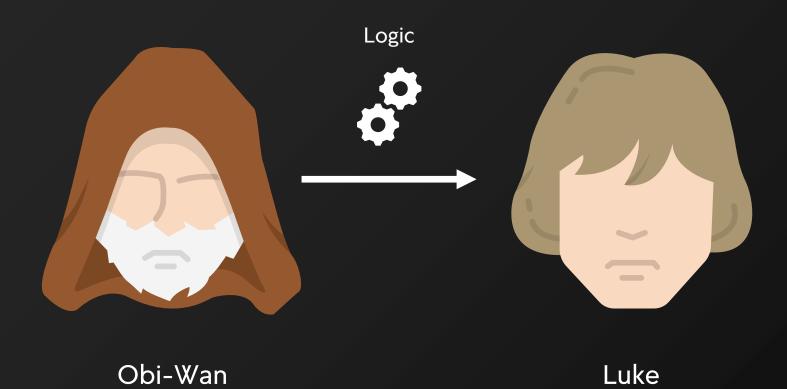
Luke

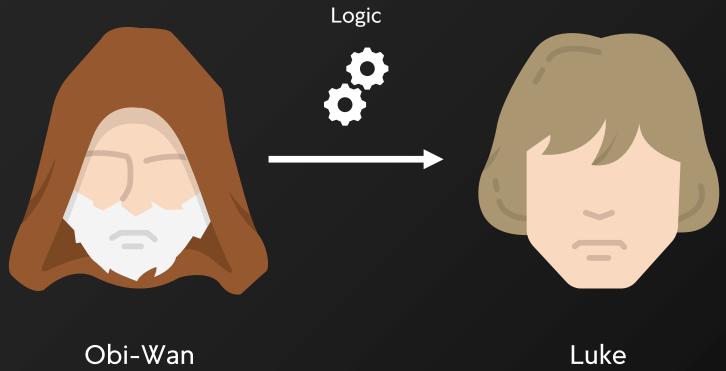


Obi-Wan



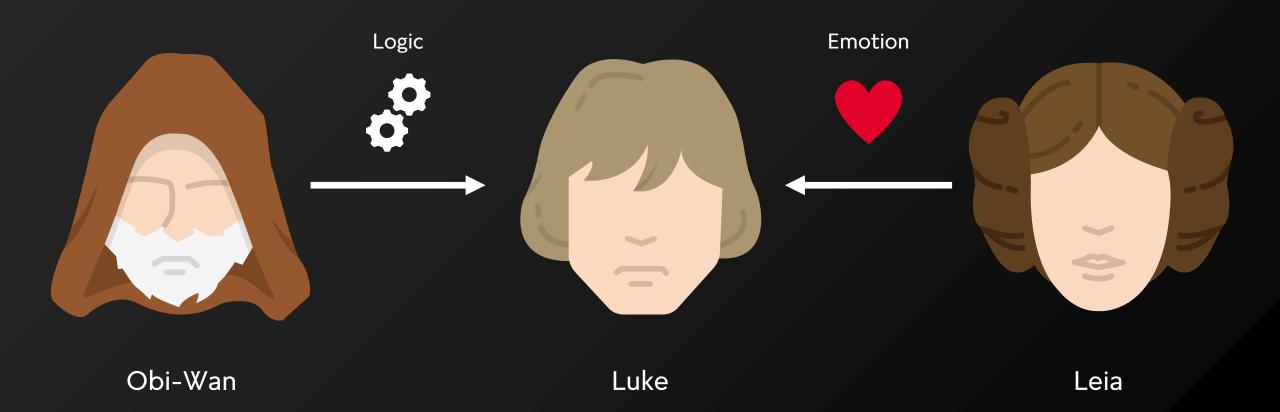
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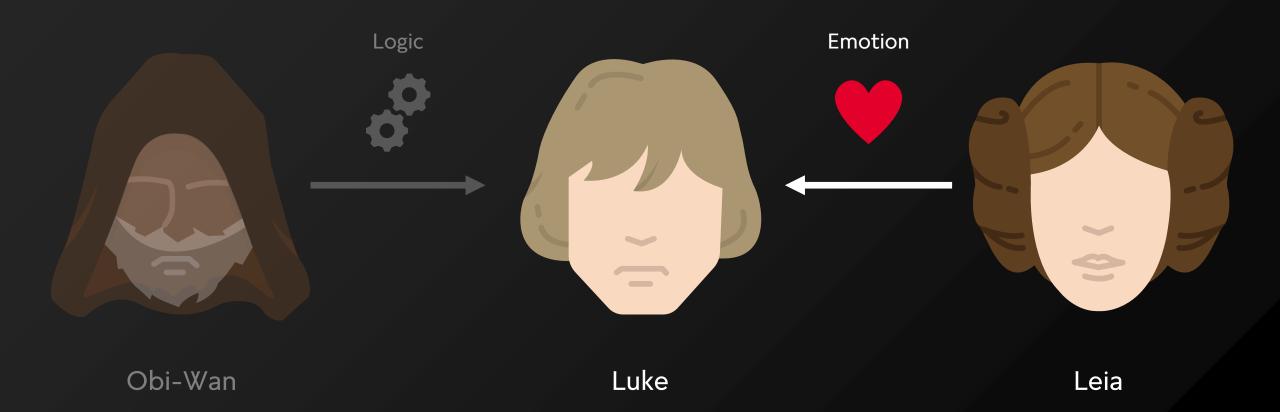






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Misuse of the term "Data Storytelling"

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# Data storytelling is a tool like any other.

# **Learnings from Behavioral Economics**

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#### Heuristics:

People tend to make decisions using mental shortcuts as opposed to using long, rational, optimal reasoning.

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# Framing:

Cognitive bias that suggests an outcome may be determined based on the structure of how something has been presented.





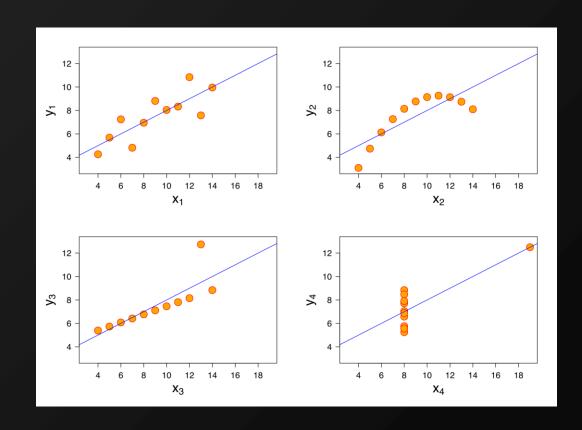


## **Ancombe's Quartet**

I		Ш		III		IV	
X	y	X	y	X	у	Х	у
10.0	8.04	10.0	9.14	10.0	7.46	8.0	6.58
8.0	6.95	8.0	8.14	8.0	6.77	8.0	5.76
13.0	7.58	13.0	8.74	13.0	12.74	8.0	7.71
9.0	8.81	9.0	8.77	9.0	7.11	8.0	8.84
11.0	8.33	11.0	9.26	11.0	7.81	8.0	8.47
14.0	9.96	14.0	8.10	14.0	8.84	8.0	7.04
6.0	7.24	6.0	6.13	6.0	6.08	8.0	5.25
4.0	4.26	4.0	3.10	4.0	5.39	19.0	12.50
12.0	10.84	12.0	9.13	12.0	8.15	8.0	5.56
7.0	4.82	7.0	7.26	7.0	6.42	8.0	7.91
5.0	5.68	5.0	4.74	5.0	5.73	8.0	6.89

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1		Ш		III		IV	
X	у	Х	у	Х	У	X	у
10.0	8.04	10.0	9.14	10.0	7.46	8.0	6.58
8.0	6.95	8.0	8.14	8.0	6.77	8.0	5.76
13.0	7.58	13.0	8.74	13.0	12.74	8.0	7.71
9.0	8.81	9.0	8.77	9.0	7.11	8.0	8.84
11.0	8.33	11.0	9.26	11.0	7.81	8.0	8.47
14.0	9.96	14.0	8.10	14.0	8.84	8.0	7.04
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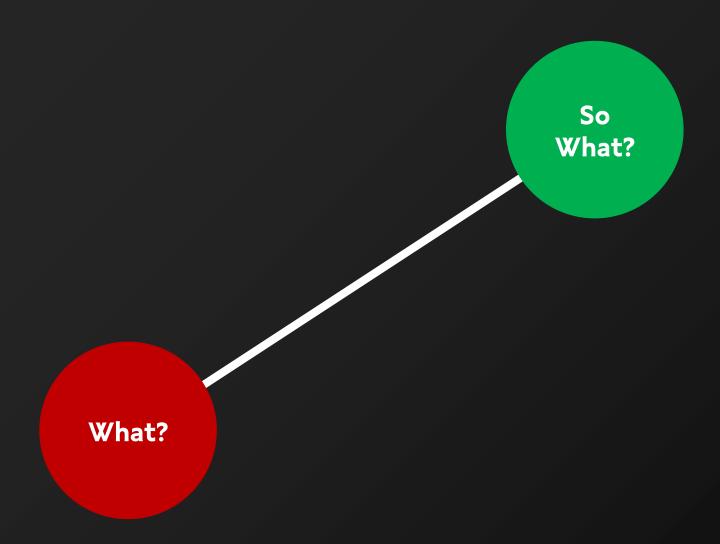


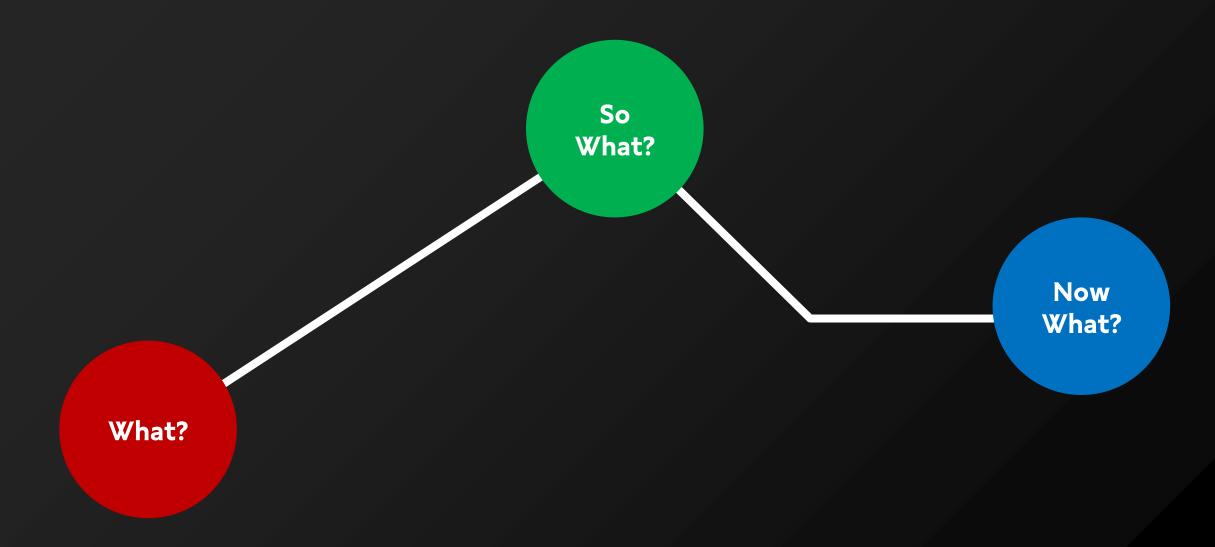








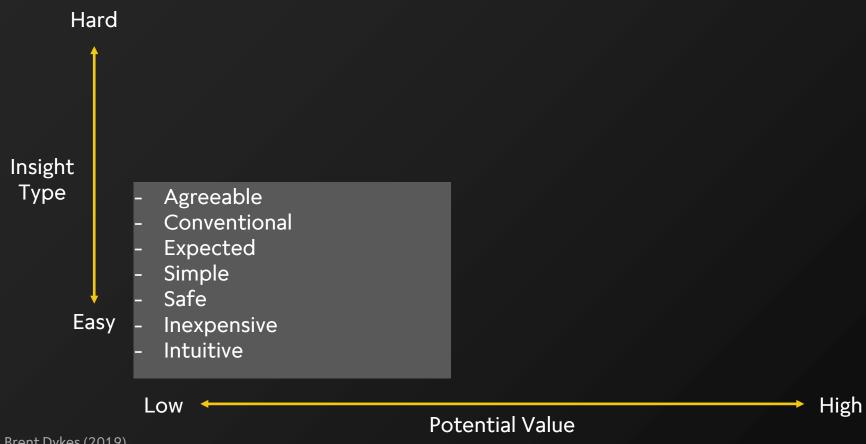


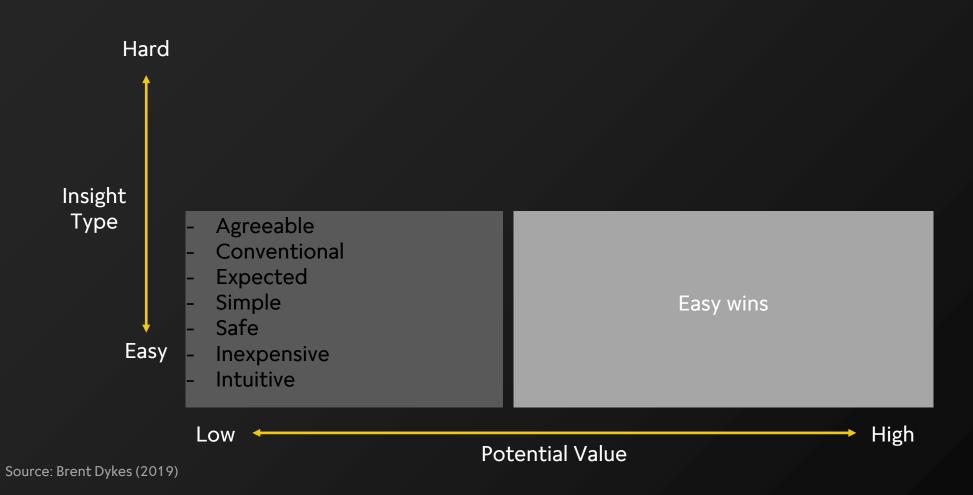


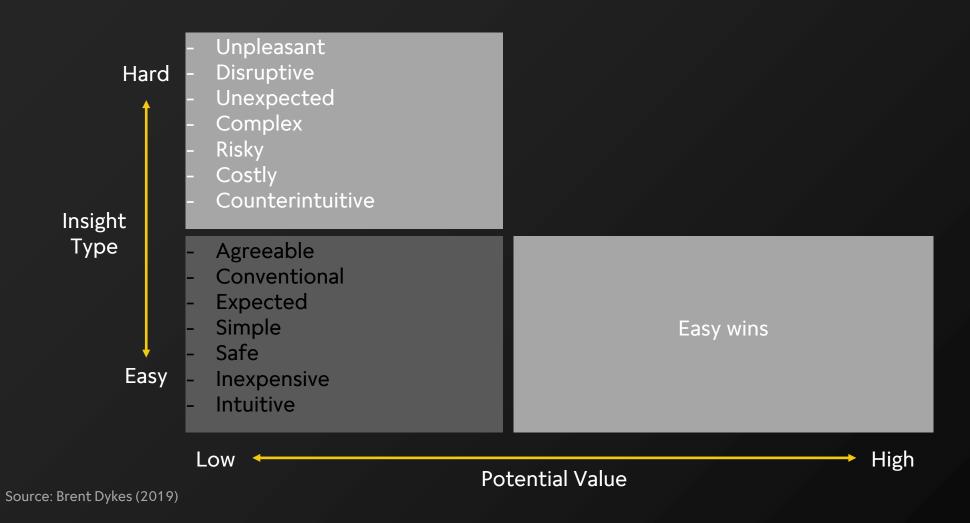


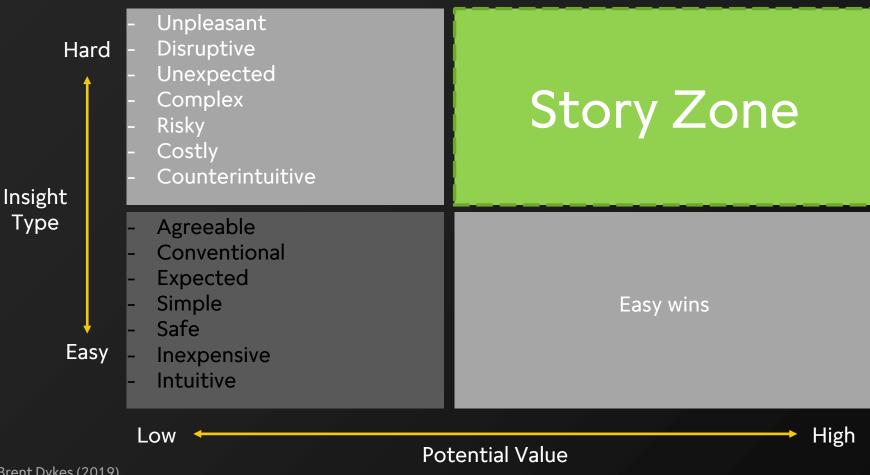














Data Foundation





Data Foundation

Main Point







Data Foundation

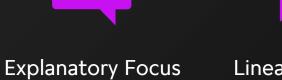
Main Point

**Explanatory Focus** 











**Linear Sequence** 











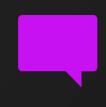
**Linear Sequence** 



**Dramatic Elements** 











**Linear Sequence** 



**Dramatic Elements** 



**Visual Anchors** 











Linear Sequence



**Dramatic Elements** 



Visual Anchors

# DEMO



Defined Data Storytelling

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- What problems Data Storytelling helps solve

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- What problems Data Storytelling helps solve
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- ·How we can use some of these techniques in Power BI

Thank you!

Any questions?