Putting Lipstick on a Pig

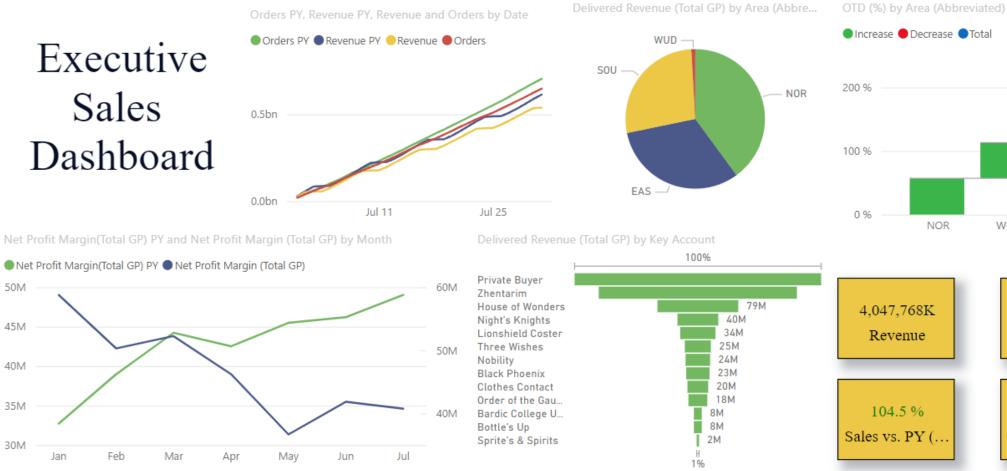
Improving a Power BI Report Step by Step

Alexander Arvidsson | @arcticdba





Mar



100 % 0 % NOR WUD SOU Total EAS 4,047,768K 4,827,090K 8.1 % Orders Margin (%) Revenue 104.5 % 93.2 % 109.3 % Sales vs. PY (... Orders vs. PY.. Net Profit vs. ... Margin (%) by Key Account 76... Nobility Three Wishes Zhentarim Black P... House of Wonders

Order of the Gauntlet

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Jan

Feb

50M

45M

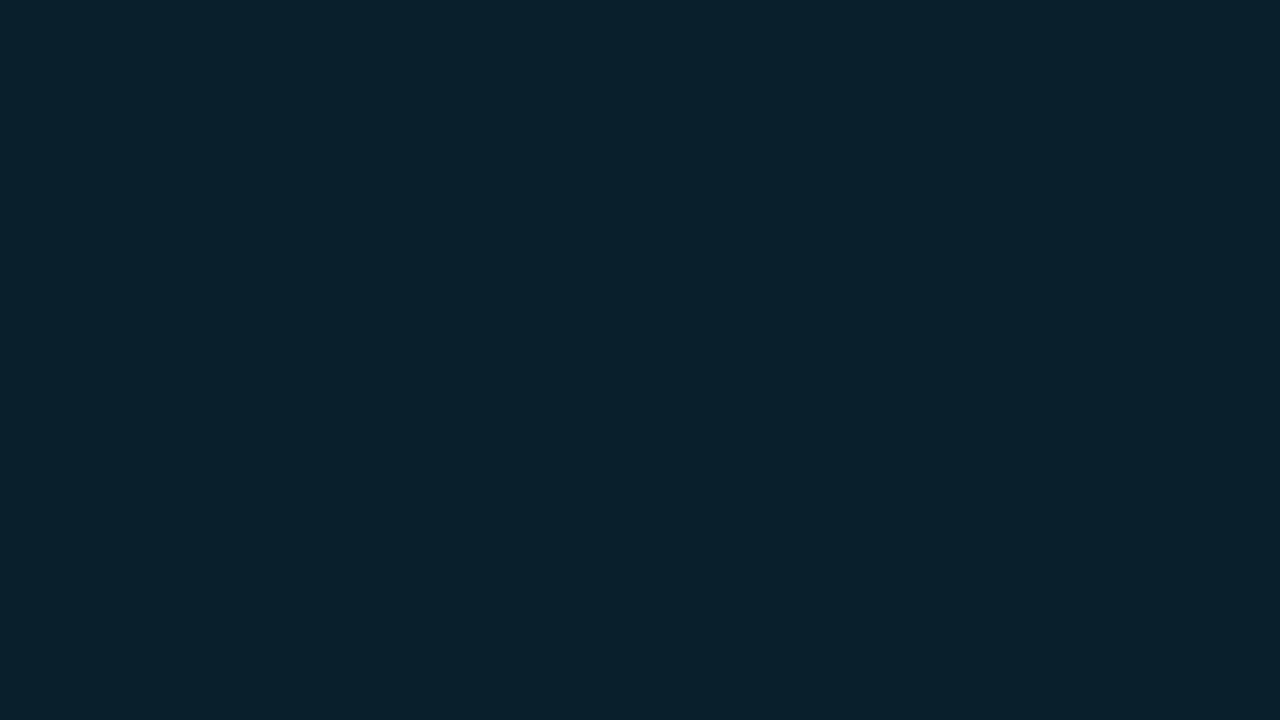
40M

35M

30M

Туре	Orders	Orders PY	Orders vs. PY (%)	Delivered Revenue (Total GP)	Delivered Revenue PY	Sales vs. PY (%)	Margin (%)
ANIMALS & TRANSPORTATION	27,883,194	46,499,563	60.0 %	26,749,658	39,261,375	68.1 %	0.4 %
POTIONS & SCROLLS	29,214,077	28,757,269	101.6 %	19,399,729	22,756,177	85.3 %	-4.3 %
ARMS & ARMOUR	188,681,297	205,037,602	92.0 %	153,449,979	177,858,287	86.3 %	4.8 %
SUMMONING DEVICE	96,727,465	116,941,205	82.7 %	96,389,565	111,028,821	86.8 %	22.7 %
ADVENTURING EQUIPMENT	208,750,685	215,061,816	97.1 %	167,002,794	187,982,427	88.8 %	7.3 %
MUSICAL INSTRUMENT	32,753,229	30,287,942	108.1 %	26,178,834	27,541,639	95.1 %	-0.8 %
JEWELRY	24,607,506	26,930,144	91.4 %	21,375,105	22,329,654	95.7 %	11.2 %
TOOLS & KITS	40,458,071	35,532,945	113.9 %	28,473,450	25,702,790	110.8 %	-7.7 %
Total	649,075,525	705,048,486	92.1 %	539,019,114	614,461,169	87.7 %	7.6 %







Alexander Arvidsson

Principal Solutions Architect @ Data Masterminds

Data Platform MVP | MCT | Speaker |



DATAmasterminds





Step 1

Stop and think



Step 2

Declutter



Prioritize

Executive Sales Dashboard

JEWELRY

Total

TOOLS & KITS

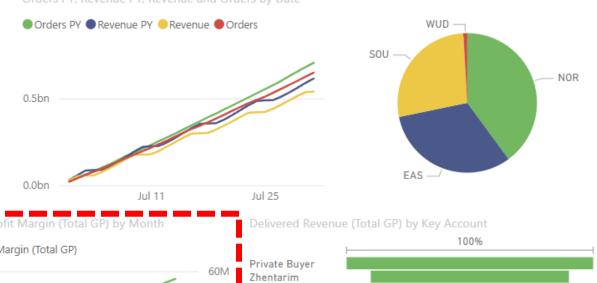
24,607,506

40,458,071

649,075,525 705,048,486

26,930,144

35,532,945



21,375,105

28,473,450

539,019,114

22,329,654

25,702,790

614,461,169

95.7 %

110.8 %

87.7 %

11.2 %

-7.7 %

7.6 %

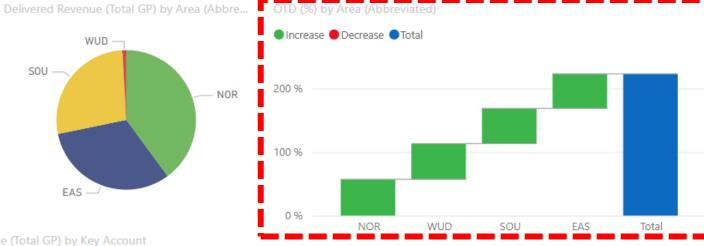




91.4 %

113.9 %

92.1 %

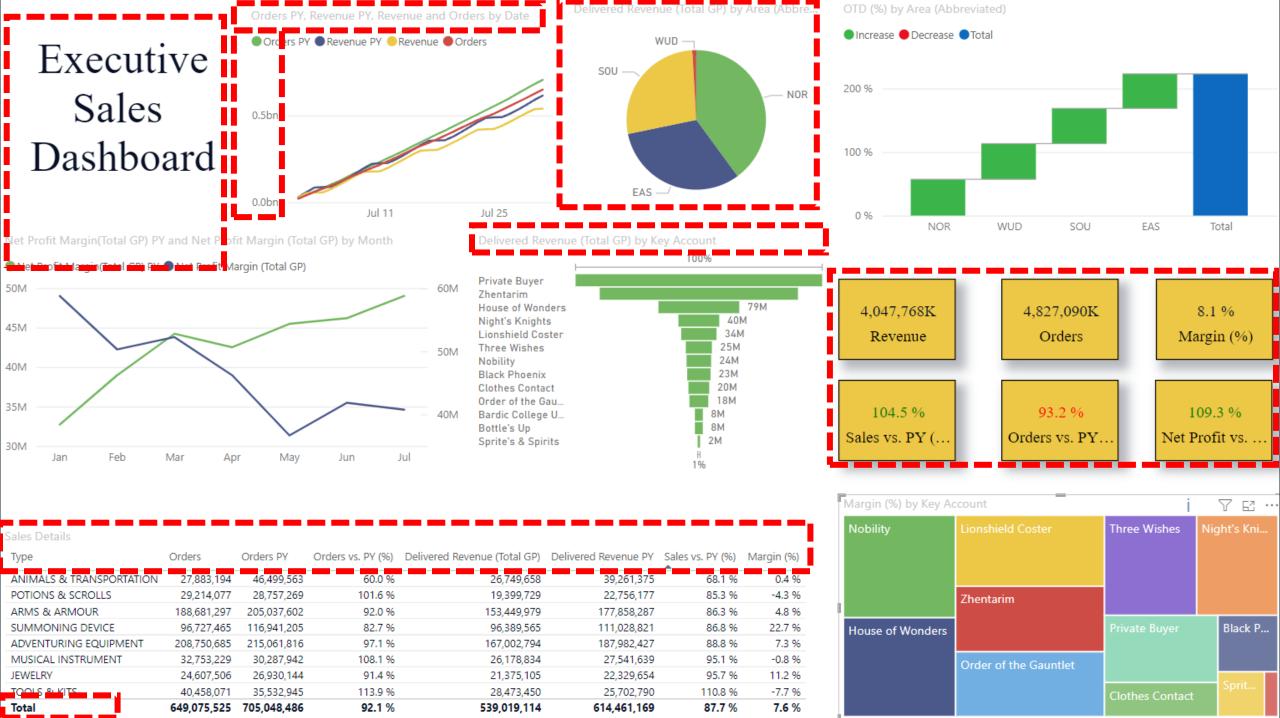






Prioritize

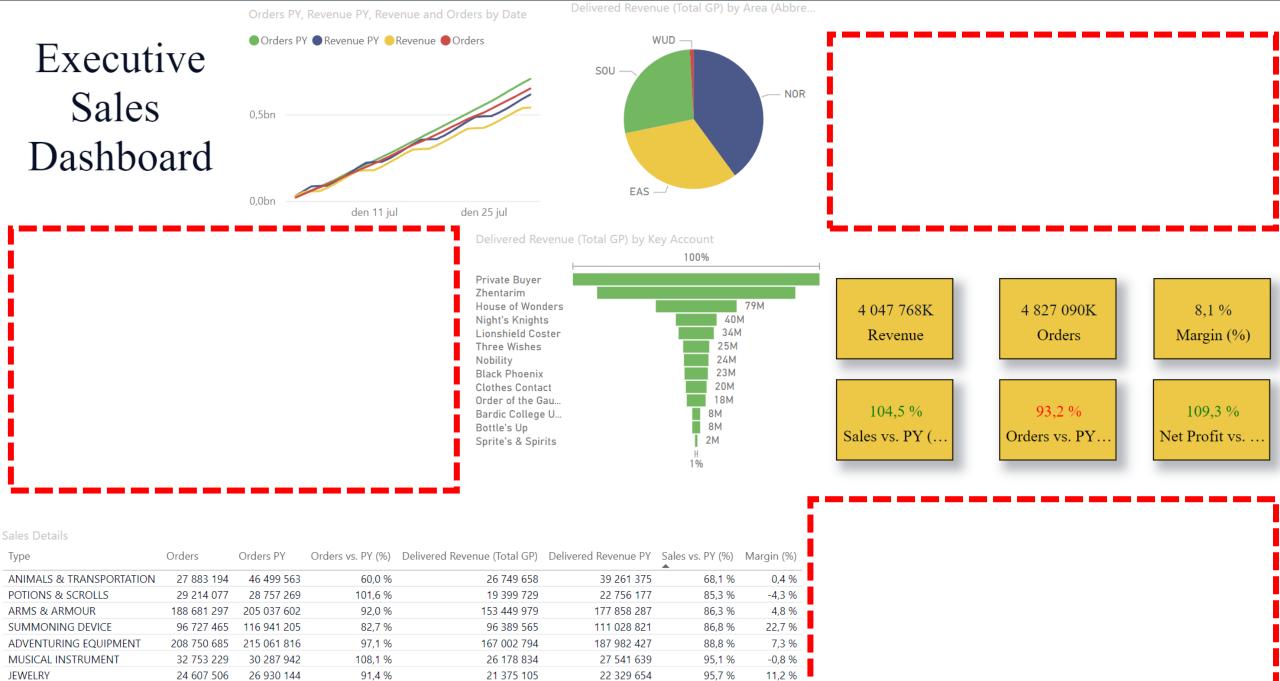
Make it clearer



Prioritize

Make it clearer

Use available space



25 702 790

614 461 169

28 473 450

539 019 114

TOOLS & KITS

Total

40 458 071

649 075 525 705 048 486

35 532 945

113,9 %

92,1 %

-7,7 %

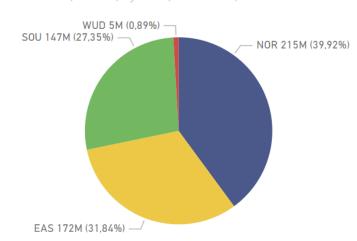
7,6 %

110,8 % **87,7 %**

Executive Quarterly Sales Dashboard

4 048M Revenue 2021 4 827M Orders 2021 8,1 % Margin (%) 2021 104,5 % Sales vs. PY (%) 93,2 % Orders vs. PY (%) 109,3 % Net Profit vs. PY (%)

Delivered Revenue (Total GP) by Area (Abbreviated)

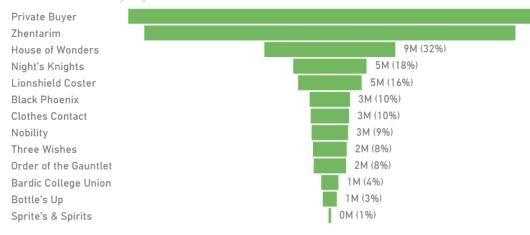




QTD Sales Stats by Product Group

Product Type	Orders	Orders PY	%	Delivered Revenue (Total GP)	Delivered Revenue PY	%	Margin (%)
ADVENTURING EQUIPMENT	209M	215M	97,1 %	167M	188M	88,8 %	7,3 %
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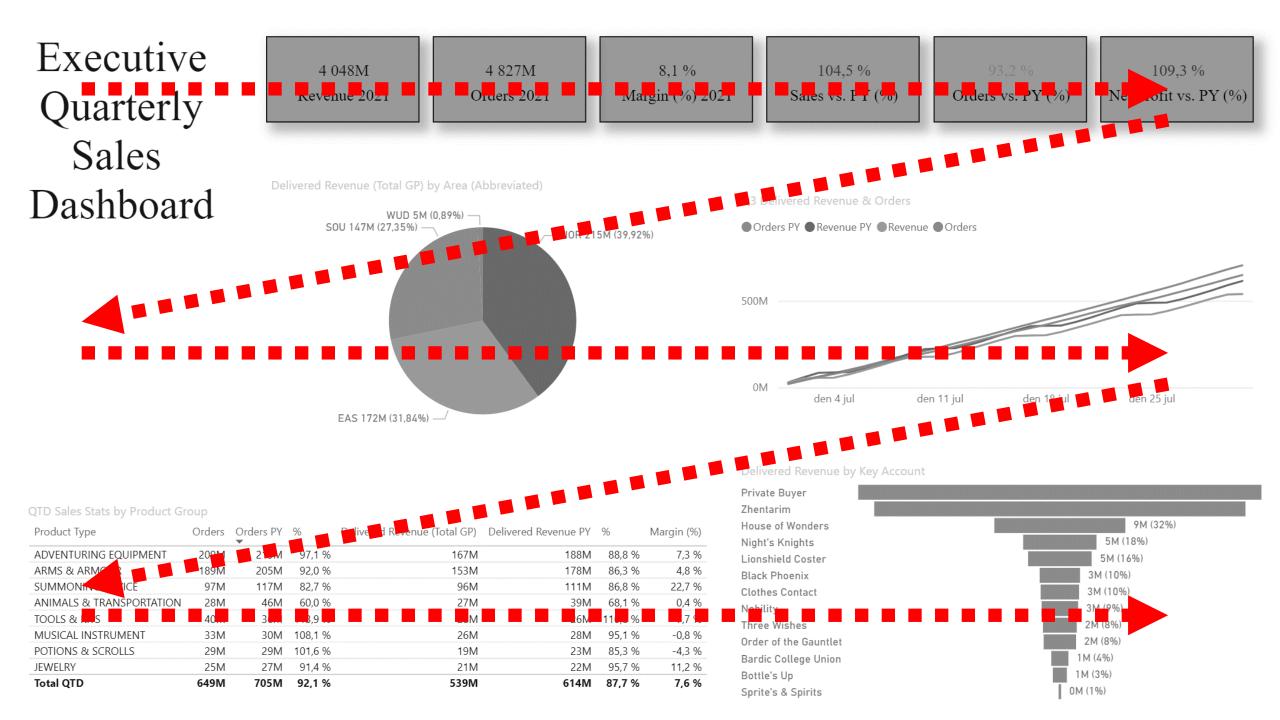
Delivered Revenue by Key Account

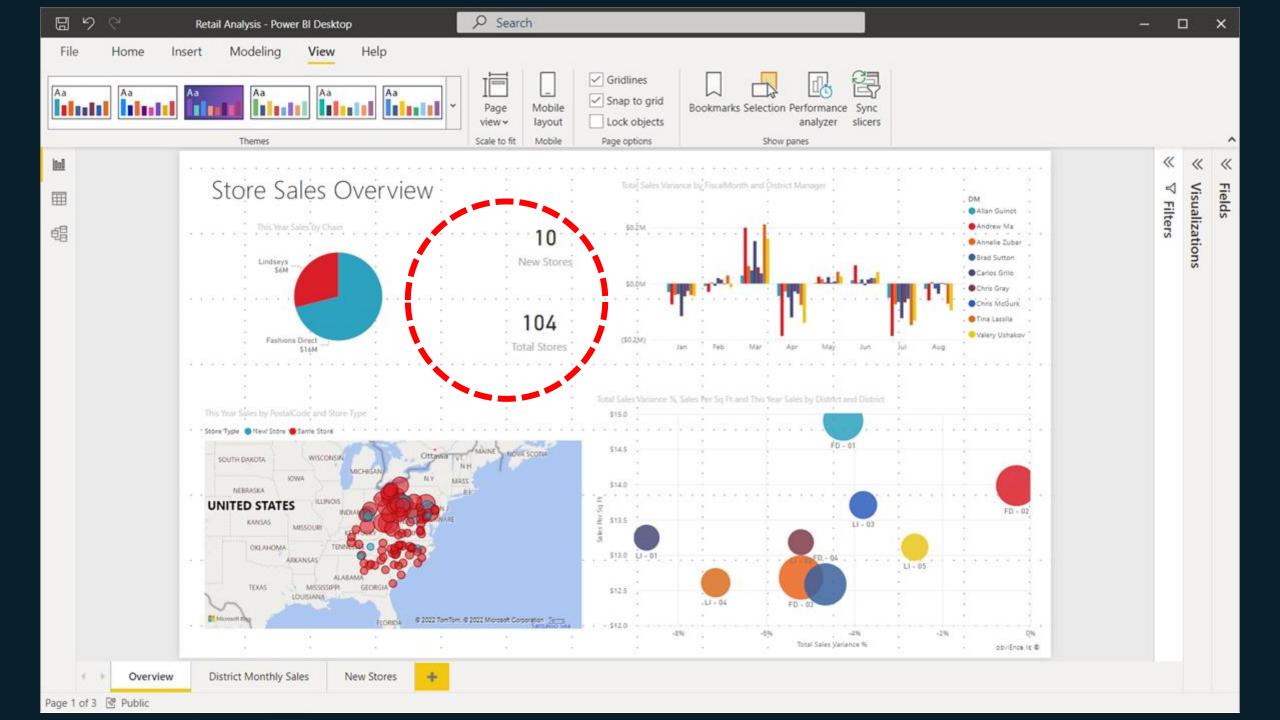


Step 3

Streamline

Follow the eyes





Follow the eyes

Use simpler visuals

Deviation

Emphasise variations (+)-) from a fixed reference point. Typically the reference point is zero but if can also be a target or a long-term average. Can also be used to show sentiment (motificing test frequential).









Correlation

more variables. Be mindful that, unless you tell them otherwise, many readers will assume the relationships you show them to be causal (i.e. one causes the







Ranking ordered list is more important than its absolute or relative value. Don't be afraid to highlight the points of interest















changing rankings across multiple dates. For large datasets, consider grouping lines using rolous







Distribution

they occur. The shape (or 'skew') of a distribution can be a memorable way of highlighting the lack of uniformity or





Barcode plot

H | H -









Change over Time

Give emphasis to changing trends. These can be short (intra-day) movements or extended series traversing decades or centuries: Choosing the correct time period is































relative (just being able to see larger/bigger) or absolute (need to see fine differences). Usually these show a 'counted' number (for example, barrels, dollars or people) rather than a calculated rate or per cent.























Part-to-whole

Show how a single entity can be broken down into its component elements. If the reader's interest is solely in the size of the components, consider a











Scaled cartogram (value)



Spatial

Use for totals rather than rates – be wary that small differences in data will be hard to





Flow

movement between two or more state or conditions. These might be logical sequences or geographical locations.









powerful diagram which can illustrate 2-way flows (and net winner) in a matrix.





vocabulary

Visual

Designing with data

There are so many ways to visualise data - how do we know which one to pick? Use the categories across the top to decide which data relationship is most important in your story, then look at the different types of chart within the category to form some initial ideas about what might work best. This list is not meant to be exhaustive, nor a wizard, but is a useful starting point for making informative and meaningful data visualisations.



Magnitude











































Visual Vocabulary

There are so many ways to visualise data - how do we know which one to pick? Click on a category below to decide which data relationship is most important in your story, then look at the different types of charts within the category to form some initial ideas about what might work best. This list is not meant to be exhaustive, nor a wizard, but is a useful starting point for making informative and meaningful data visualisations.

Click any section below to view the charts



Deviation

Emphasise variations (+/-) from a fixed reference point.

Typically the reference point is zero but it can also be a target or a long-term average. Can also be used to show sentiment (positive/neutral/negative).

Correlation

Show the relationship between two or more variables. Be mindful that, unless you tell them otherwise, many readers will assume the relationships you show them to be causal (i.e., one causes the other).

Ranking

Use where an item's position in an ordered list is more important than its absolute or relative value. Don't be afraid to highlight the points of interest.

Distribution

Show values in a dataset and how often they occur. The shape (or 'skew') of a distribution can be a memorable way of highlighting the lack of uniformity or equality in the data.

Change over Time

Give emphasis to changing trends. These can be short (intra-day) movements or extended series traversing decades or centuries: Choosing the correct time period is important to provide suitable context for the reader.

Part-to-Whole

Show how a single entity can be broken down into its component elements. If the reader's interest is solely in the size of the components, consider a magnitude-type chart instead.

Magnitude

Show size comparisons. These can be relative (just being able to see larger/bigger) or absolute (need to see fine differences). Usually these show a 'counted' number (for example, barrels, dollars or people) rather than a calculated rate or per cent.

Spatial

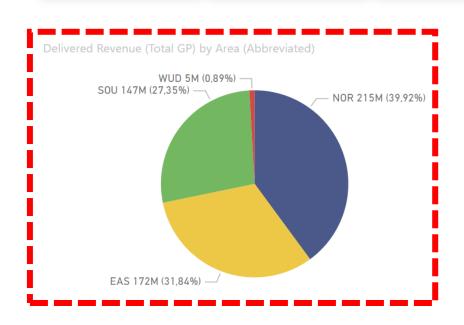
Used only when precise locations or geographical patterns in data are more important to the reader than anything else.

Flow

Show the reader volumes or intensity of movement between two or more states or conditions. These might be logical sequences or geographical locations.

Executive Quarterly Sales Dashboard

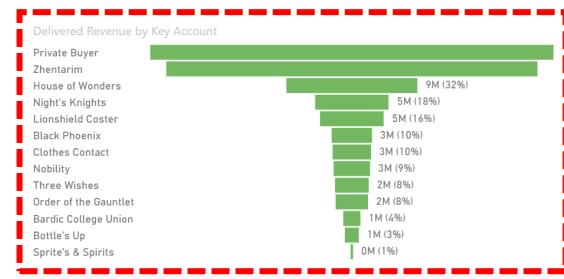
4 048M Revenue 2021 4 827M Orders 2021 8,1 % Margin (%) 2021 104,5 % Sales vs. PY (%) 93,2 % Orders vs. PY (%) 109,3 % Net Profit vs. PY (%)





QTD Sales Stats by Product Group

Product Type	Orders	Orders PY	%	Delivered Revenue (Total GP)	Delivered Revenue PY	%	Margin (%)
ADVENTURING EQUIPMENT	209M	215M	97,1 %	167M	188M	88,8 %	7,3 %
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POTIONS & SCROLLS	29M	29M	101,6 %	19M	23M	85,3 %	-4,3 %
JEWELRY	25M	27M	91,4 %	21M	22M	95,7 %	11,2 %
Total QTD	649M	705M	92,1 %	539M	614M	87,7 %	7,6 %



Follow the eyes

Use simpler visuals

Make better use of text

Executive
Quarterly
Sales
Dashboard

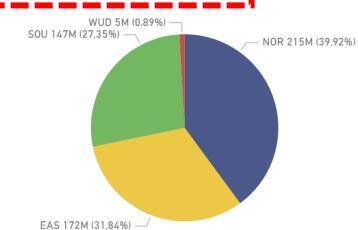
4 048M Revenue 2021 4 827M Orders 2021 8,1 % Margin (%) 2021 104,5 % Sales vs. PY (%) 93,2 %

Orders vs. PY (%)

Net Profit vs. PY (%)

109.3 %



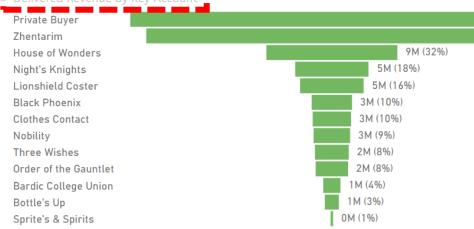




QTD Sales Stats by Product Group

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Total QTD	649M	705M	92,1 %	539M	614M	87,7 %	7,6 %

Delivered Revenue by Key Account

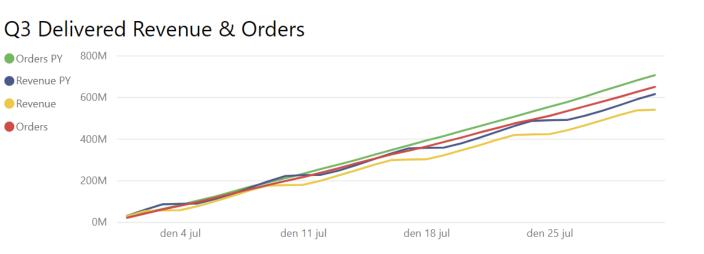


Text Text

Dyslexia friendly...?

<font-size: flyspeck>

Executive Quarterly Sales Dashboard



Lionshield Coster

Black Phoenix

Clothes Contact

Nobility

4 048M

Revenue 2021

4 827M

Orders 2021

8,1 %

Margin (%) 2021

104,5 %

Sales vs. PY (%)

93,2 %

Orders vs. PY (%)

1M

Bardic College

Union

1M

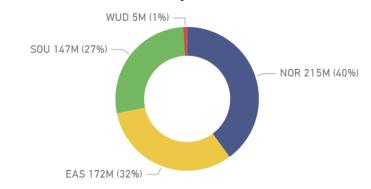
Bottle's Up

109,3 % Net Profit vs. PY (%)

0M

Sprite's & Spirits

Delivered Revenue by Area



Delivered Revenue by Key Account



QTD Sales Stats by Product Group

Product Type	Orders	Orders PY	% ▼	Delivered Revenue (Total GP)	Delivered Revenue PY	%	Margin (%)
TOOLS & KITS	40M	36M	113,9 %	28 473 450	26M	110,8 %	-7,7 %
MUSICAL INSTRUMENT	33M	30M	108,1 %	26 178 834	28M	95,1 %	-0,8 %
POTIONS & SCROLLS	29M	29M	101,6 %	19 399 729	23M	85,3 %	-4,3 %
ADVENTURING EQUIPMENT	209M	215M	97,1 %	167 002 794	188M	88,8 %	7,3 %
ARMS & ARMOUR	189M	205M	92,0 %	153 449 979	178M	86,3 %	4,8 %
JEWELRY	25M	27M	91,4 %	21 375 105	22M	95,7 %	11,2 %
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ANIMALS & TRANSPORTATION	28M	46M	60,0 %	26 749 658	39M	68,1 %	0,4 %
Total QTD	649M	705M	92,1 %	539 019 114	614M	87,7 %	7,6 %

2M

Three Wishes

2M

Order of the

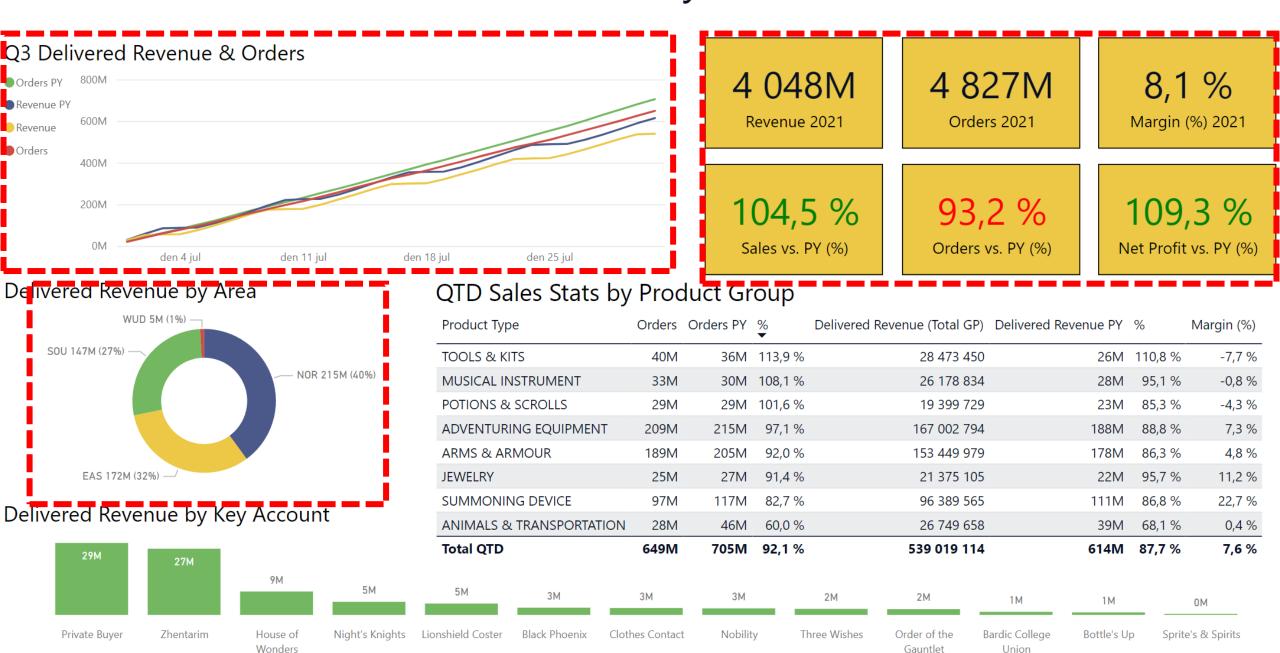
Gauntlet

Step 4

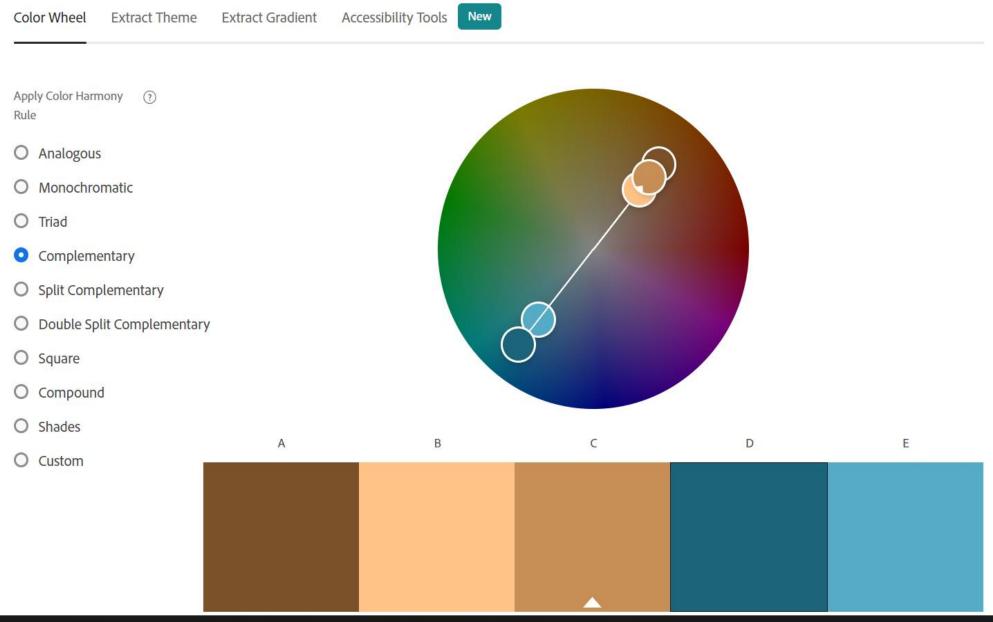
Accessibility(?)

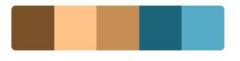
Color and contrast

Executive Quarterly Sales Dashboard



Adobe Color Sign in **III** CREATE **EXPLORE TRENDS** LIBRARIES



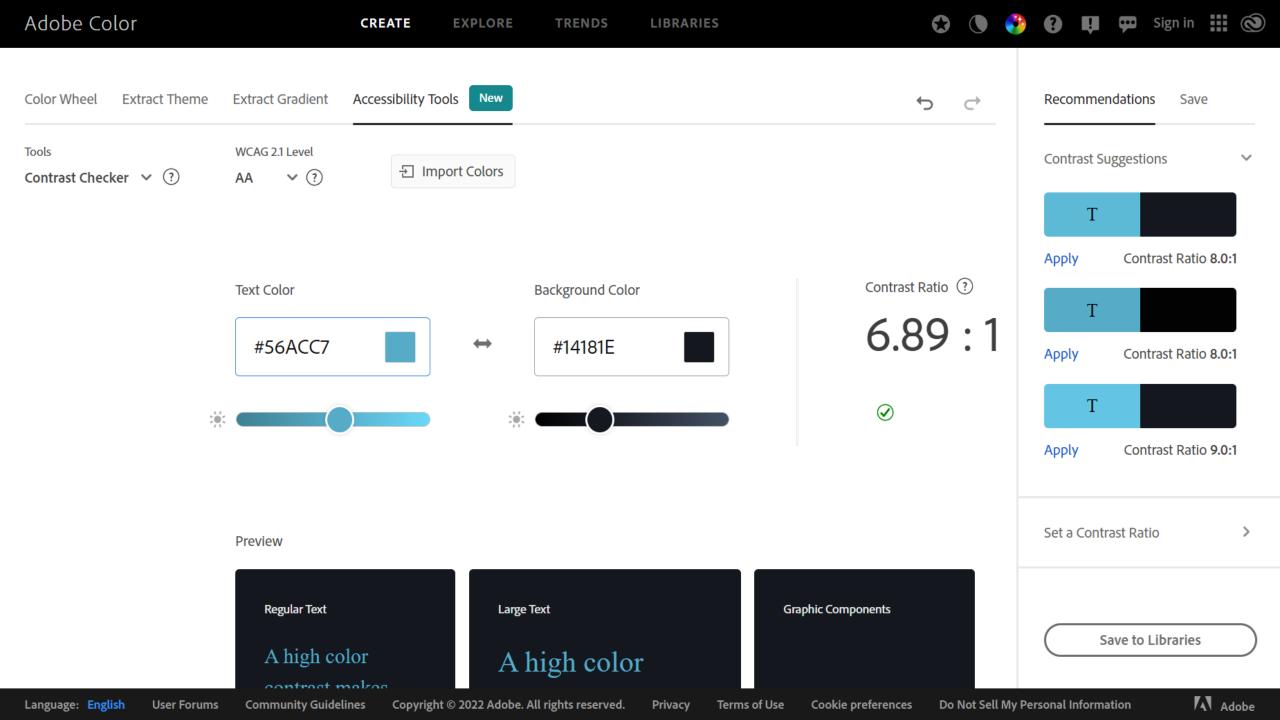


Color wheel (or image in Extract Theme tab) can be used to generate color palette, which can be saved into Creative Cloud, after signing in.

You can then use your saved color themes, in Adobe products (Photoshop, Illustrator, Fresco etc.), via Adobe Color theme panel or CC Libraries.

Save





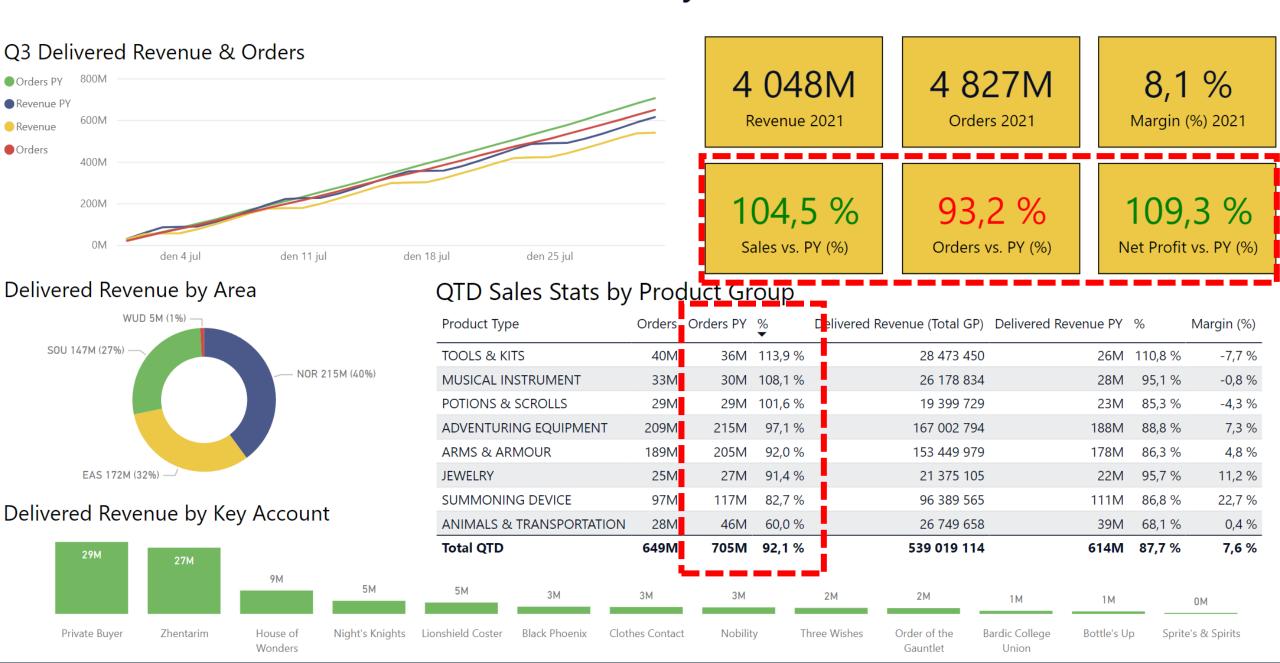


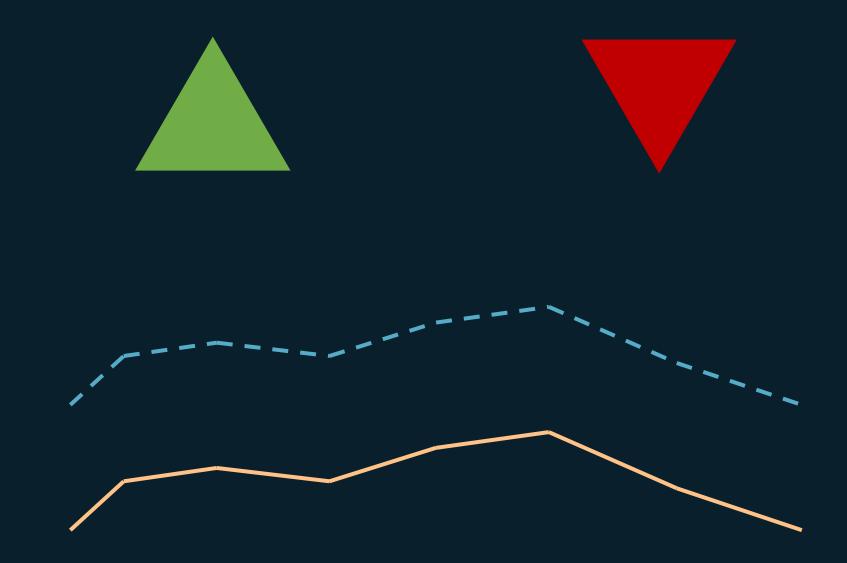


Color and contrast

Convey information without using color

Executive Quarterly Sales Dashboard

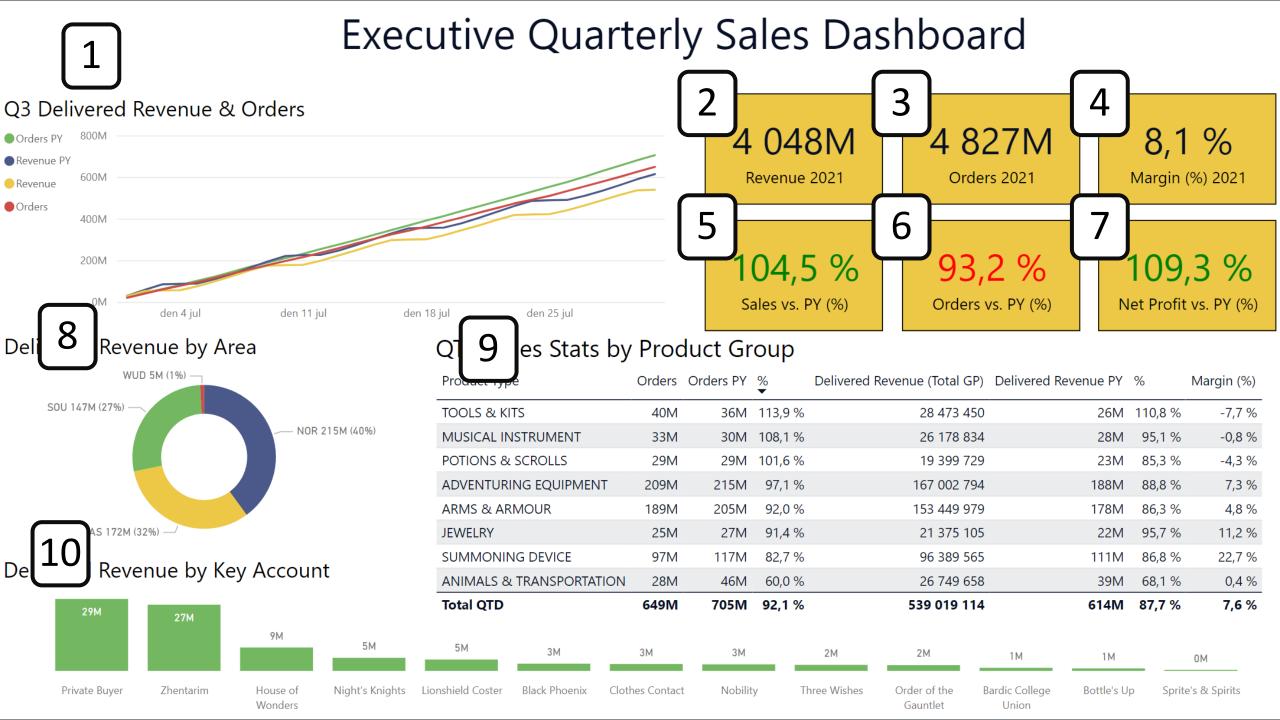




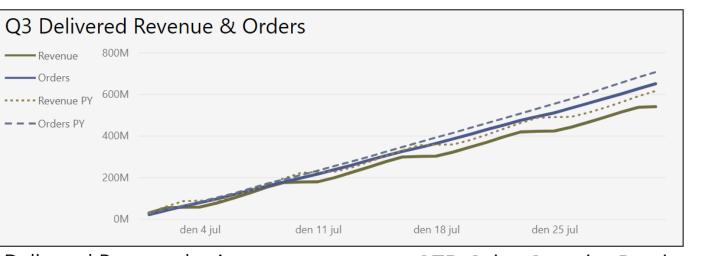
Color and contrast

Convey information without using color

Tab order



Executive Quarterly Sales Dashboard



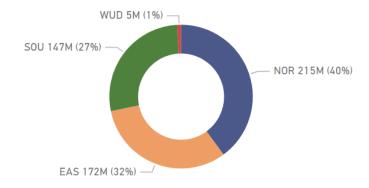
4 048M Revenue 2021

4 827M Orders 2021 8,1 % Margin (%) 2021

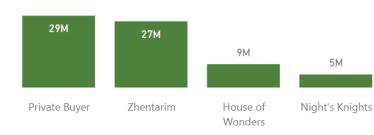
104,5 %
Sales vs. PY (%)

93,2 % Orders vs. PY (%) 109,3 %
Net Profit vs. PY (%)

Delivered Revenue by Area



Delivered Revenue by Key Account



QTD Sales Stats by Product Group

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5M 3M		3M	3M	2M	2M	1M	1M	0M
Lionshield Coster Black Phoenix	Cloth	es Contact	Nobility	Three Wish	nes Order of the Gauntlet	Bardic College Union	Bottle's Up	Sprite's & Spirits

THINK before you act

Keep it CONCISE

Accessible = USABLE







Thank you!



@arcticdba

