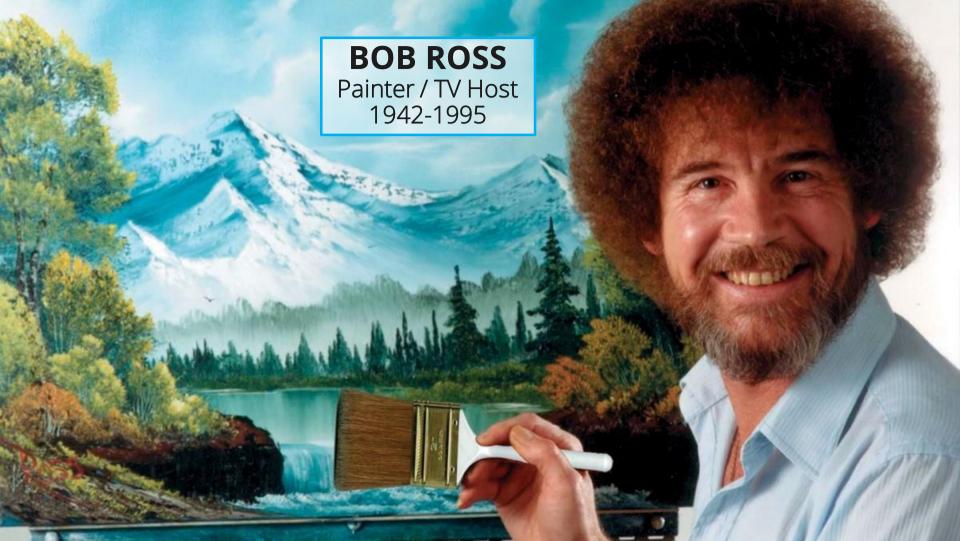
DOMORALOCZA

POMER OF THE PLATFORM

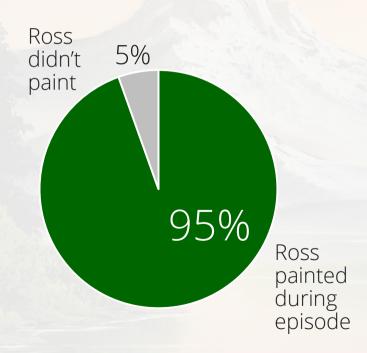


How to Turn Your Data into Happy Little Masterpieces

Brent Dykes | Sr. Director, Data Strategy
Sarah Chalupa | Consulting Manager
Asher Tenn-McClellan | Sr. Principal Consultant



From 1983 to 1994, there were **403 episodes** of "The Joy of Painting"



What did Bob like to paint?

% containing each element



https://fivethirtyeight.com/features/a-statistical-analysis-of-the-work-of-bob-ross/

BOB ROSS APPROACH & PHILOSOPHY



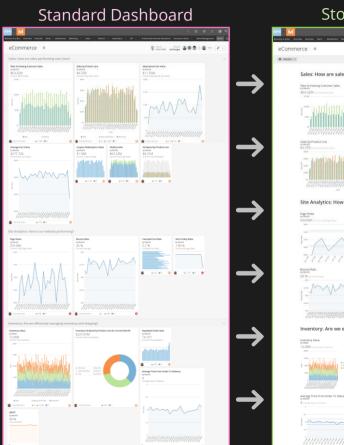
- 1. Possessed a **positive attitude**.
- 2. Made art look **fun and easy**.
- 3. Empowered his viewers with **clear instructions and simple steps**.
- 4. Used **simple materials** such as widely-available paints and brushes.
- 5. Believed **anything is possible** if you just try.



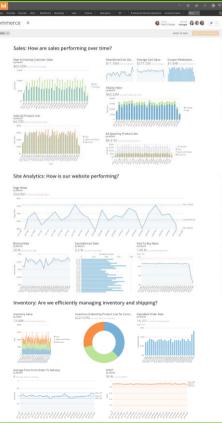
HOW DO WE TURN DATA INTO HAPPY LITTLE MASTERPIECES?



BETTER, CLEANER LAYOUTS WITH DOMO STORIES



Stories Dashboard



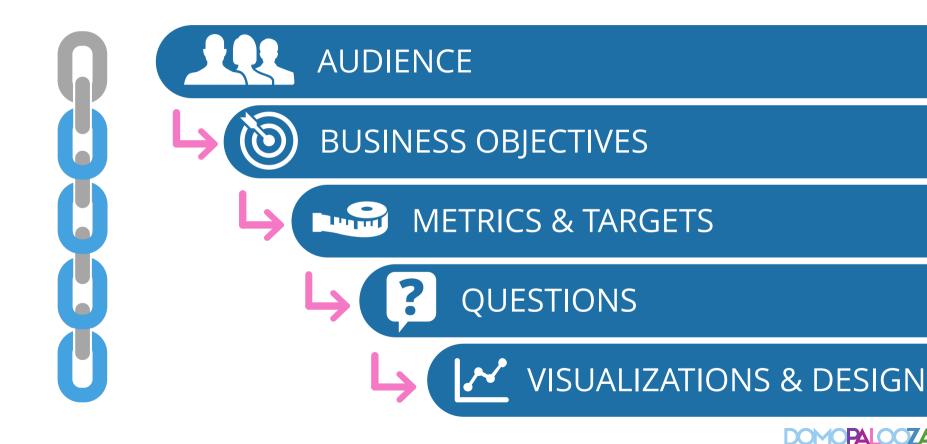
ADVANTAGES

- → More control over chart sizing & positioning
- → More design options (borders, backgrounds, images, summary/title toggle)
- → Richer interactivity (interactive filters, linking)
- → More robust text options
- → Better printing, viewing & exporting options





WHAT INFORMS DATA VISUALIZATION & DESIGN?





BUSINESS QUESTIONS INFORM DASHBOARD DESIGN



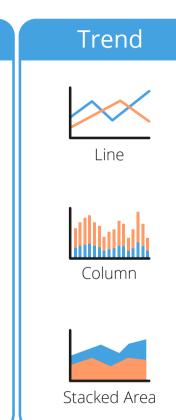
INVERTED APPROACH TO DASHBOARD DESIGN

INVERTED PYRAMID DASHBOARD DESIGN MOST IMPORTANT HOW ARE OVERVIEW INFORMATION SUPPORTING WHAT'S **BREAKDOWN INFORMATION** HAPPENING? **OTHER** HOW CAN I **EXPLORE DETAILS LEARN MORE?**

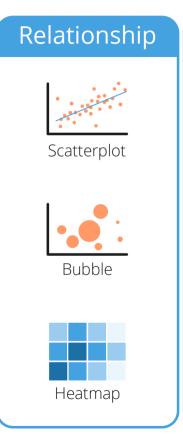


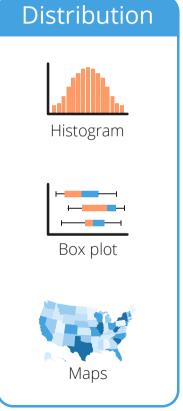
CHOOSE THE RIGHT CHART FOR YOUR DATA

Comparison Bar Lollipop Table



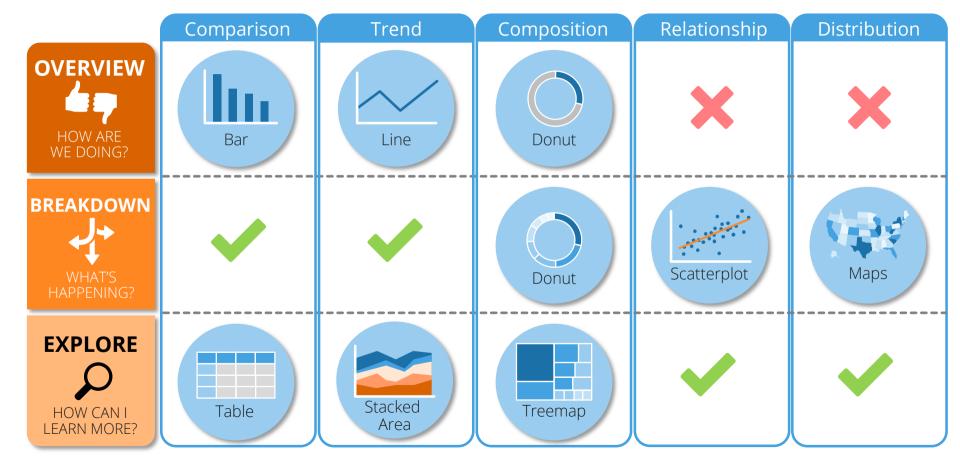








CHARTS MUST BE APPROPRIATE FOR THE LEVEL



LOTS OF GOOD DATA CAN STILL BE OVERWHELMING







NEED TO COMBINE THESE TWO DISCIPLINES

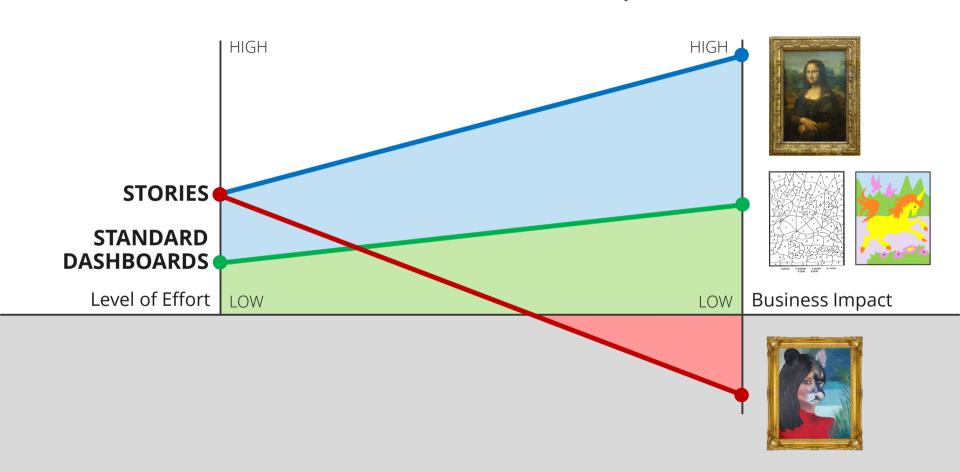








FREEDOM MEANS HIGHER REWARD, HIGHER RISK



VISUAL HIERARCHY IS ESSENTIAL WITH STORIES



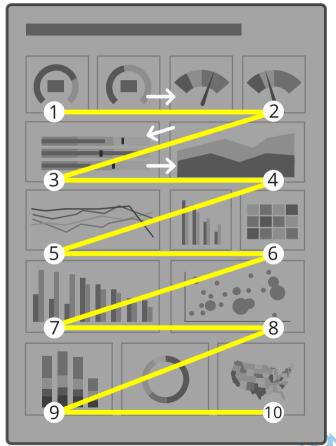
Visual hierarchy

helps people to determine the *relative importance* of different elements and the *logical groupings* of content.



UNASSISTED VISUAL FLOW: Z-PATTERN

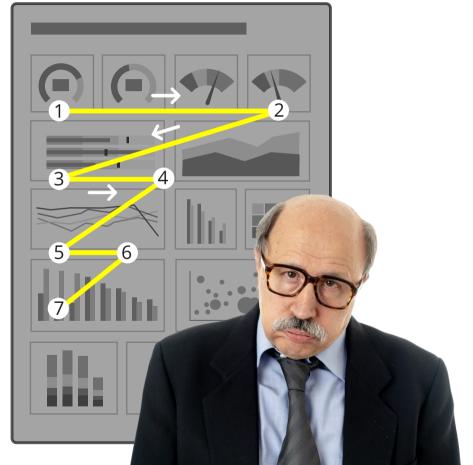






UNASSISTED VISUAL FLOW: LIGHTNING-PATTERN





VISUAL HIERARCHY > PRINCIPLES OF VISUAL PERCEPTION GESTALT PRINCIPLES + PREATTENTIVE ATTRIBUTES

GESTALT PRINCIPLES > GROUPING

Proximity



Similarity



Enclosure

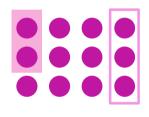
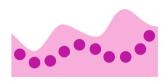


Figure-Ground



Continuity



Closure



Connection



Common Fate





GESTALT PRINCIPLES > GROUPING

Proximity



Similarity



Enclosure

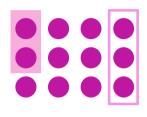
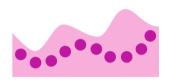


Figure-Ground



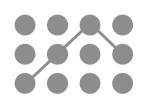
Continuity



Closure



Connection

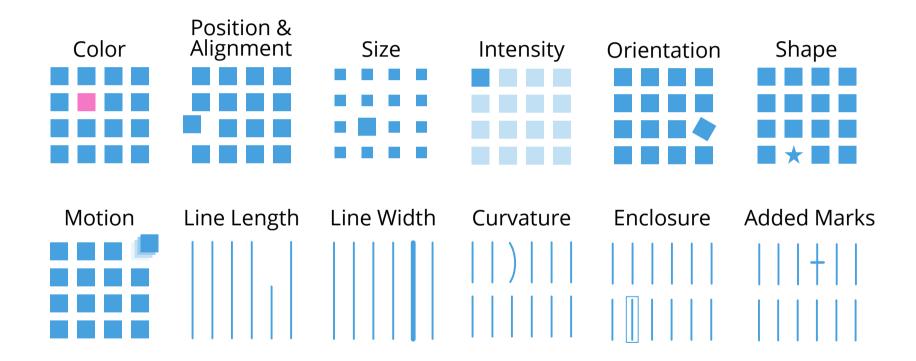


Common Fate



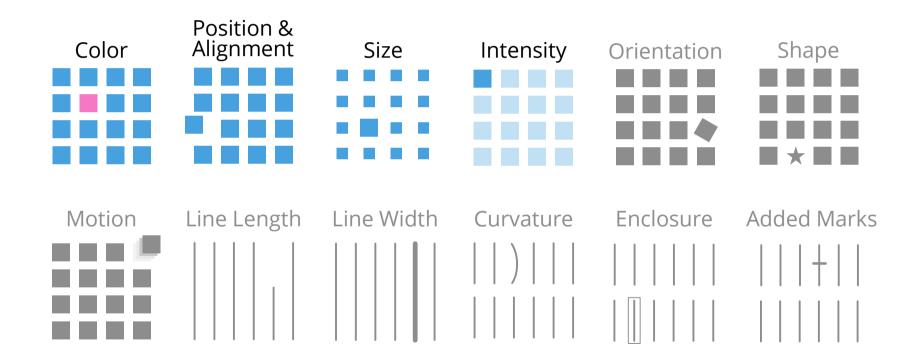


PREATTENTIVE ATTRIBUTES > IMPORTANCE



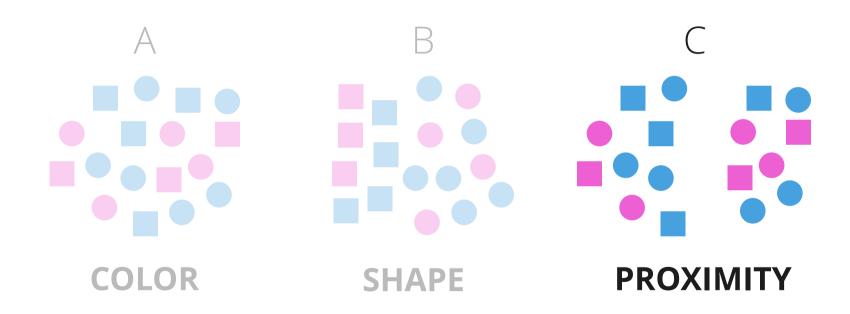


PREATTENTIVE ATTRIBUTES > IMPORTANCE

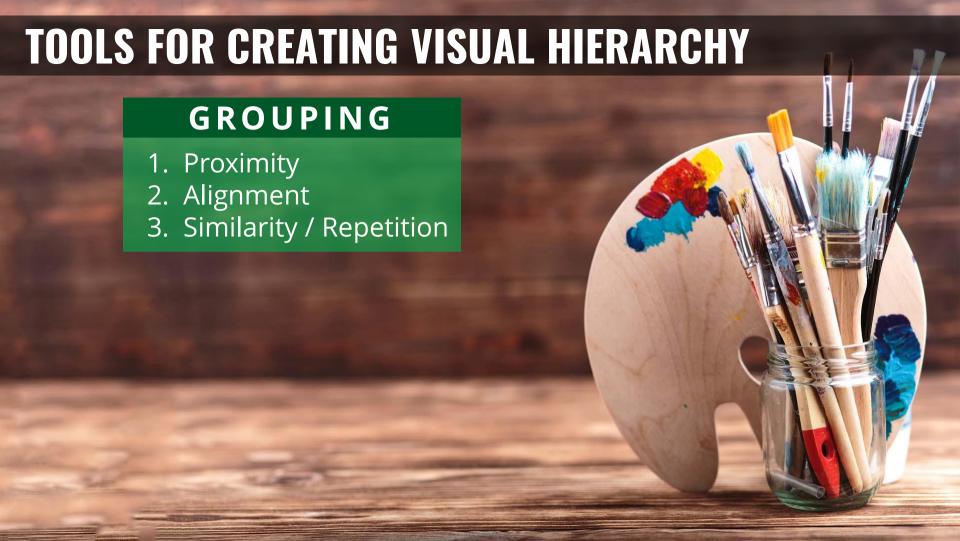




WHICH PRINCIPLE OR ATTRIBUTE IS DOMINANT?







GROUPING > PROXIMITY CREATES CONNECTIONS



GROUPING > PROXIMITY CREATES CONNECTIONS





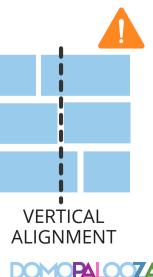
GROUPING > PROXIMITY CREATES CONNECTIONS



GROUPING > ALIGNMENT ADDS ORDER





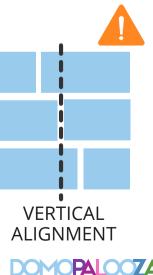




GROUPING > ALIGNMENT ADDS ORDER









GROUPING > SIMILARITY CONVEYS RELATIONSHIPS







GROUPING > SIMILARITY CONVEYS RELATIONSHIPS









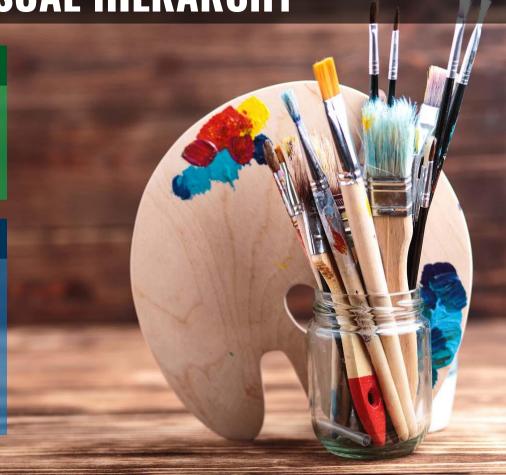
TOOLS FOR CREATING VISUAL HIERARCHY

GROUPING

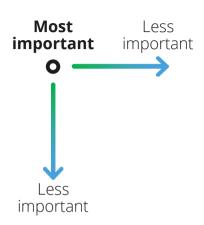
- 1. Proximity
- 2. Alignment
- 3. Similarity / Repetition

IMPORTANCE

- 1. Position
- 2. Size
- 3. Color
- 4. Contrast / Intensity
- 5. Text / Imagery



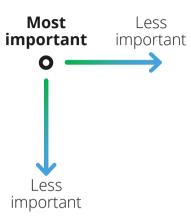








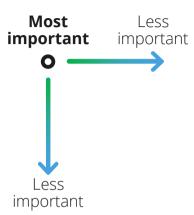








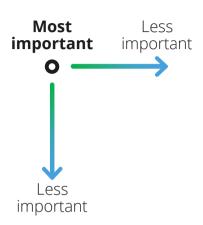








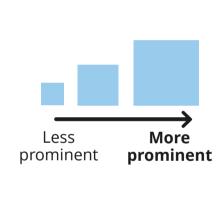






IMPORTANCE > SIZE MATTERS

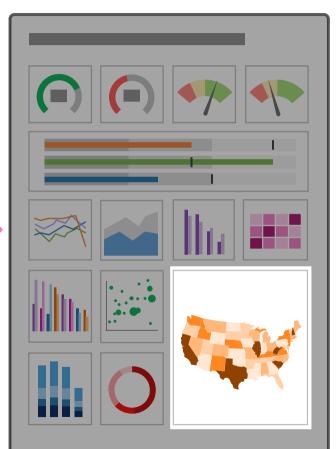


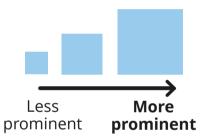




IMPORTANCE > SIZE MATTERS









IMPORTANCE > COLOR SENDS A SIGNAL

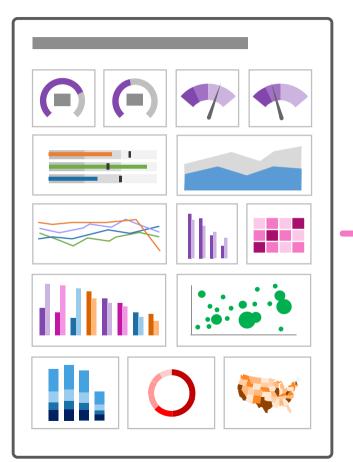








IMPORTANCE > COLOR SENDS A SIGNAL









IMPORTANCE > COLOR SENDS A SIGNAL









IMPORTANCE > CONTRAST TO STAND OUT







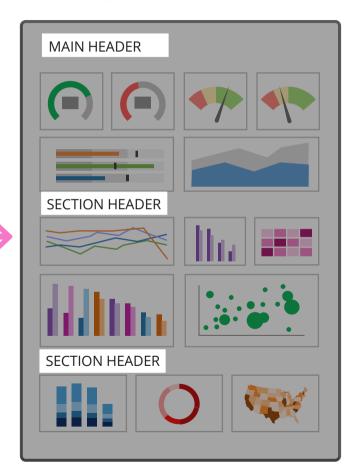
NO CONTRAST

NO CONTRAST



GROUPING > TEXT & IMAGES HELP WITH NAVIGATION







Headings help users to scan content quickly for relevant information



GROUPING > TEXT & IMAGES HELP WITH NAVIGATION







Icons & images can also help your content to connect with users



VISUAL HIERARCHY WON'T FIX TOO MUCH CONTENT



HOW MUCH IS TOO MUCH?

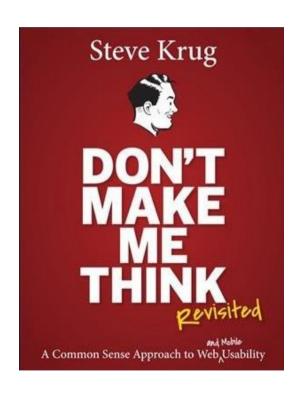


RECOMMENDATIONS

- 1. Total page length shouldn't be longer than 1.5-2 screens
- 2. No section should be larger than the visible screen
- 3. Consider linking to other pages to make content more digestible



LESS IS USUALLY MORE





If something requires a large investment of time—or looks like it will—it's less likely to be used.



Steve Krug UX Expert & Author





SAME PROCESS





AUDIENCE



BUSINESS OBJECTIVES



METRICS & TARGETS





QUESTIONS





VISUALIZATIONS & DESIGN



THE ARTIST PROCESS

SKETCH

PAINT

DISPLAY







SKETCH YOUR PAINTING





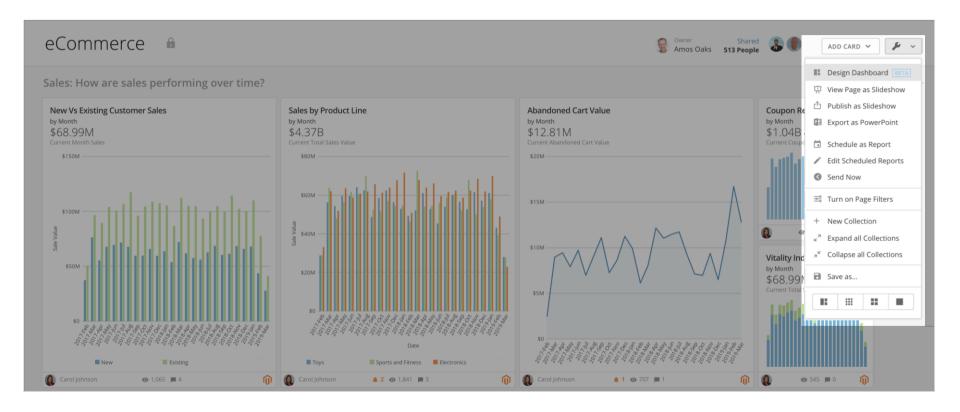


1. CONVERT YOUR PAGE TO A STORY









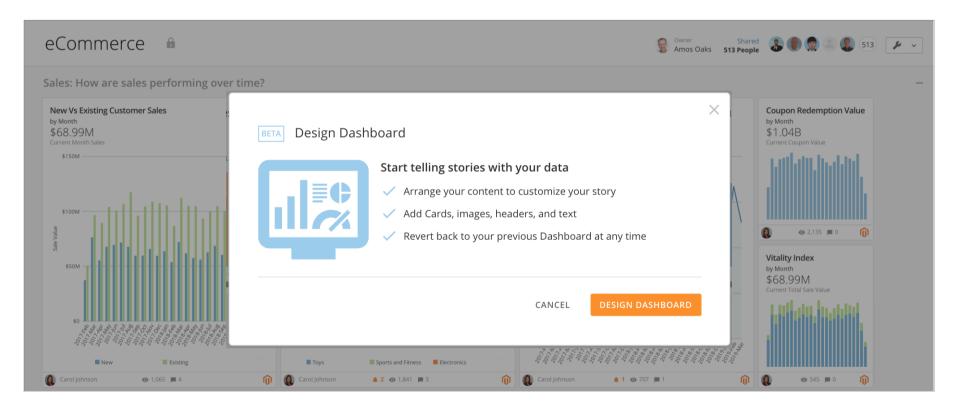


1. CONVERT YOUR PAGE TO A STORY











2. CHANGE THE LAYOUT









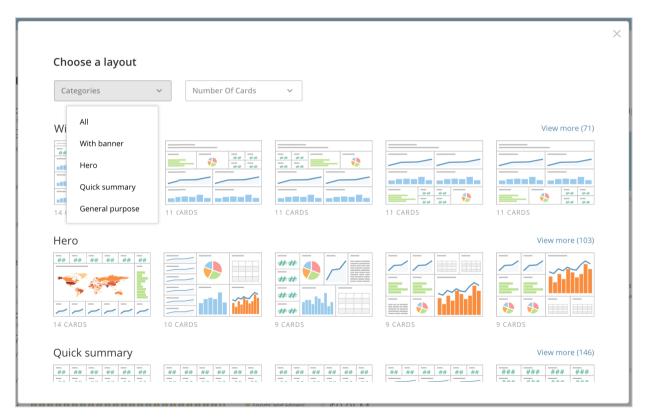


LAYOUT TEMPLATES









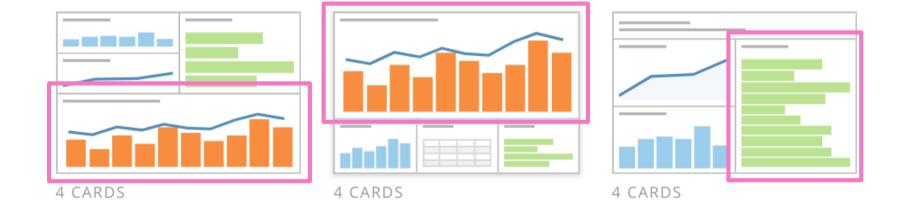


LAYOUT TEMPLATES - HERO











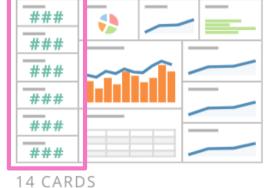
LAYOUT TEMPLATES – QUICK SUMMARY













14 CARDS

13 CARDS



LAYOUT TEMPLATES – WITH BANNER













6 CARDS



LAYOUT TEMPLATES – GENERAL PURPOSE











7 CARDS

7 CARDS

7 CARDS

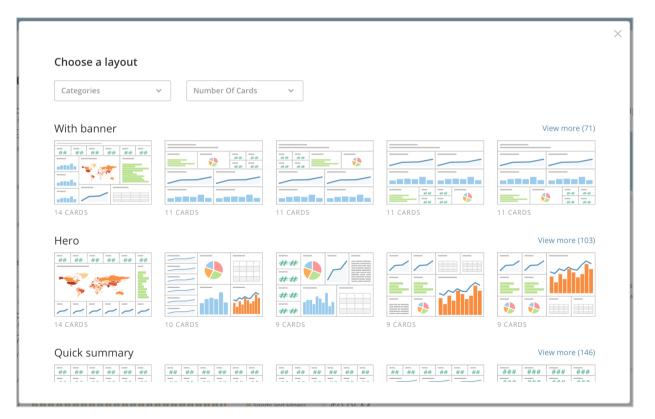


LAYOUT TEMPLATES







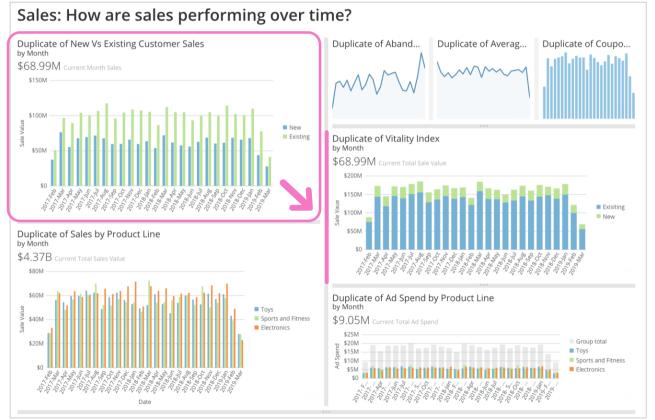










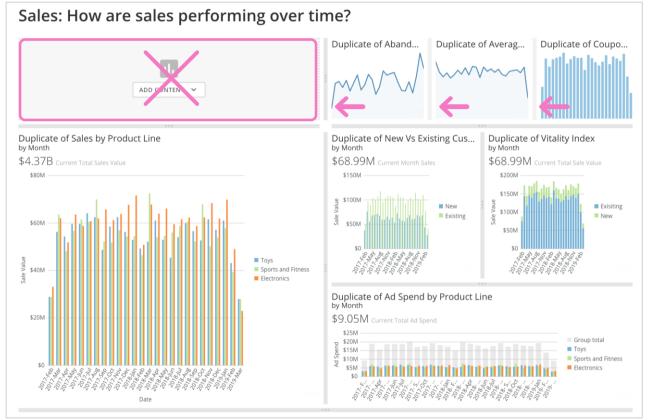










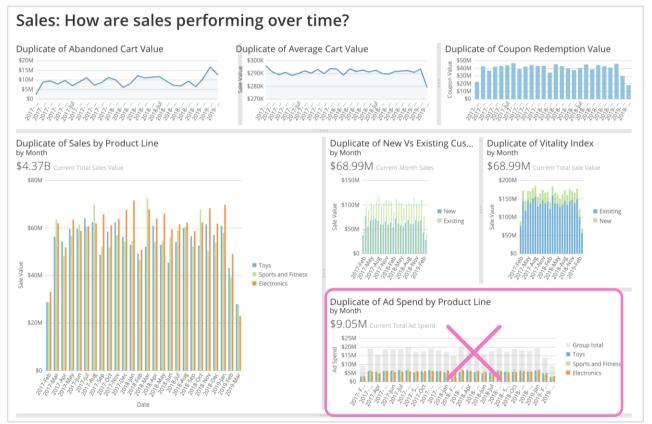










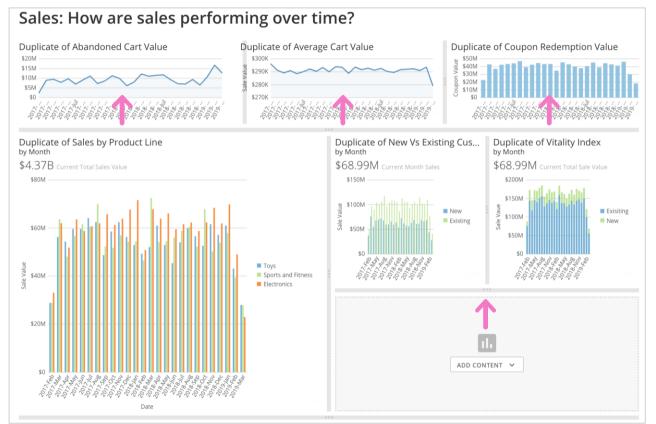










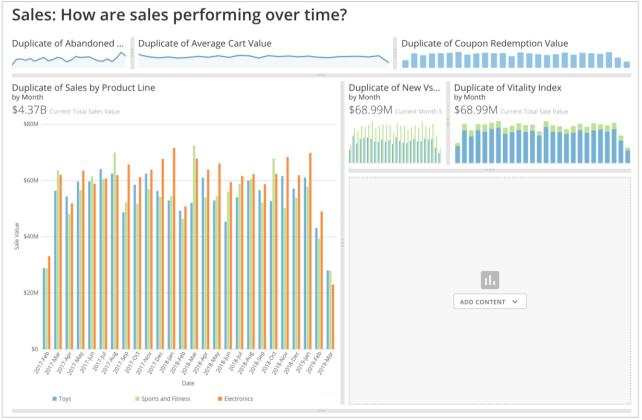












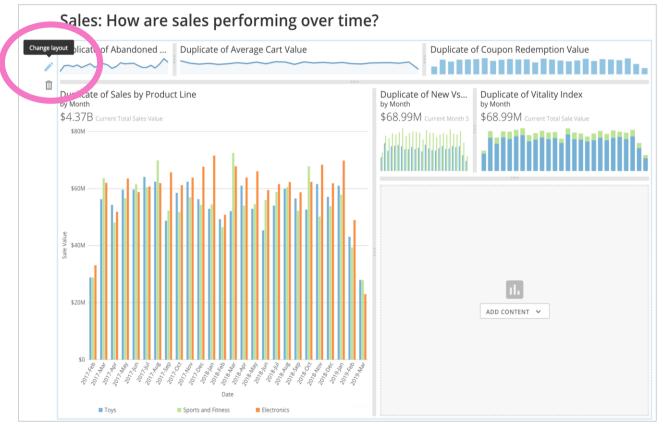


3. ARRANGE YOUR CARDS









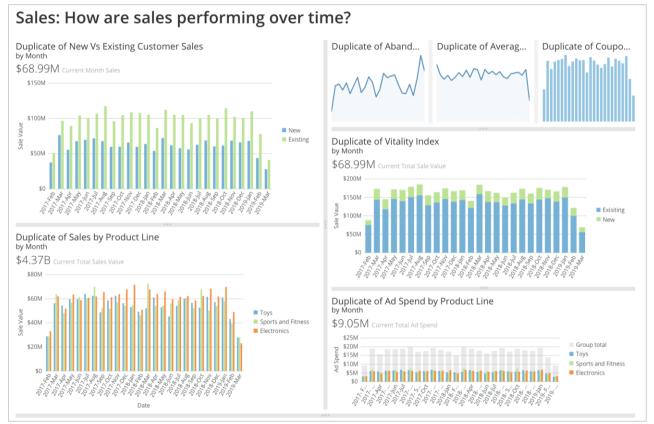


3. ARRANGE YOUR CARDS











THE ARTIST PROCESS

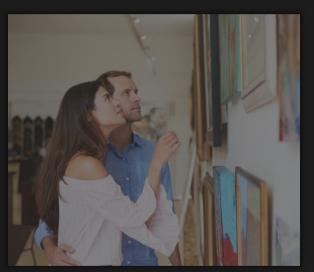
SKETCH

PAINT

DISPLAY











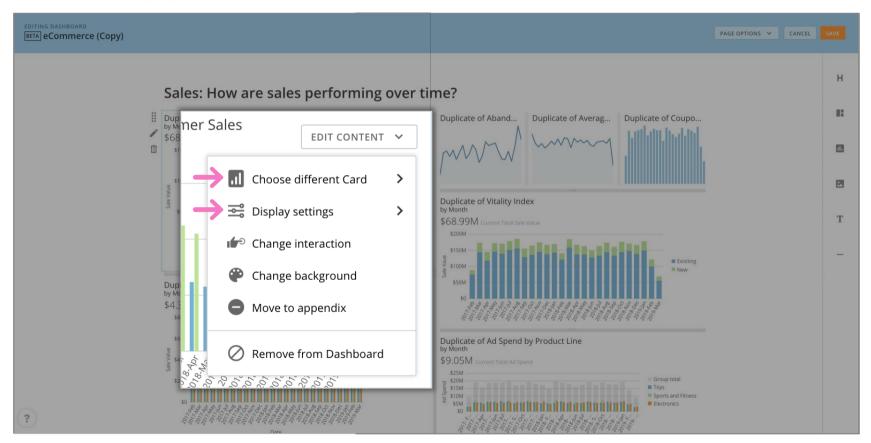




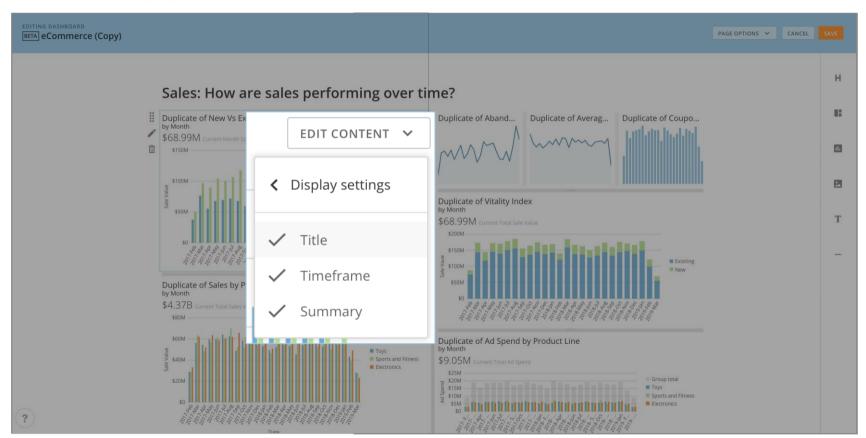




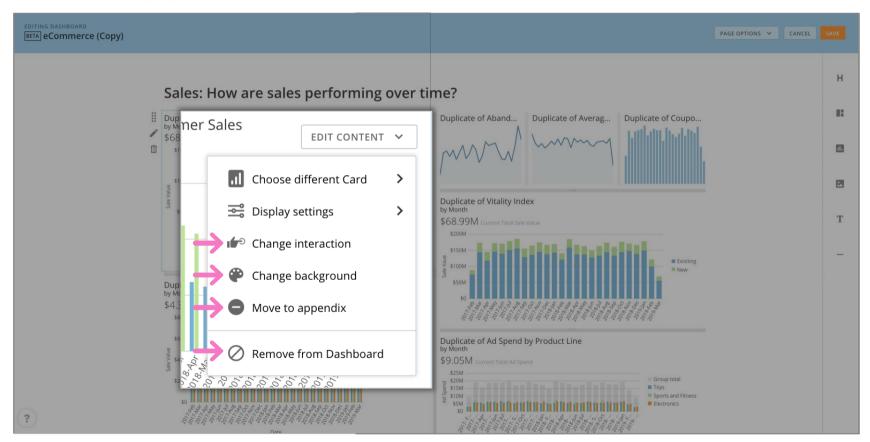








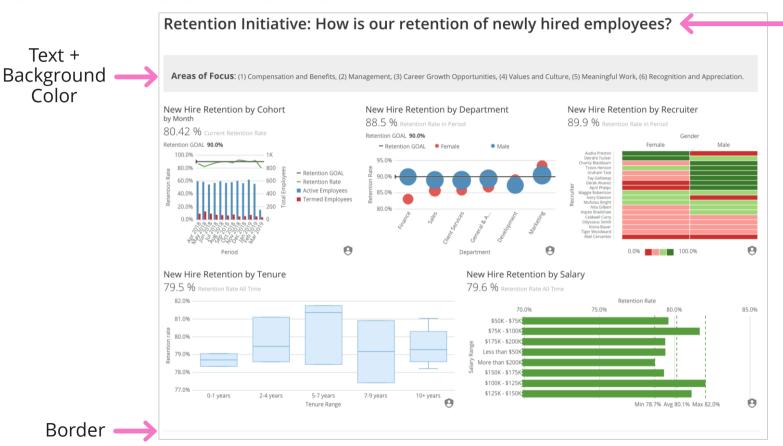






ARTIST TECHNIQUES

CREATE COLLECTIONS



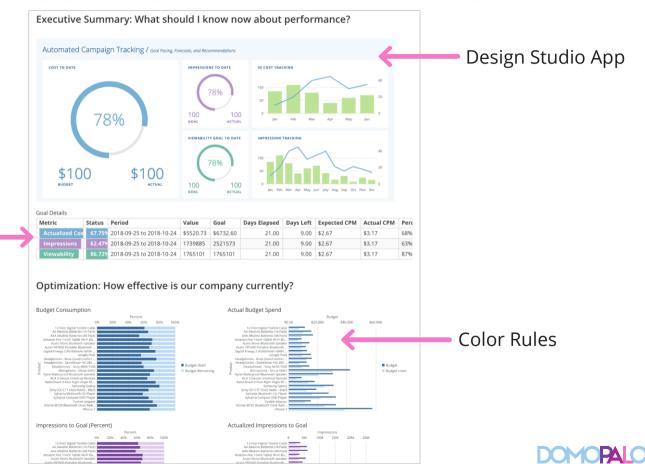


Header

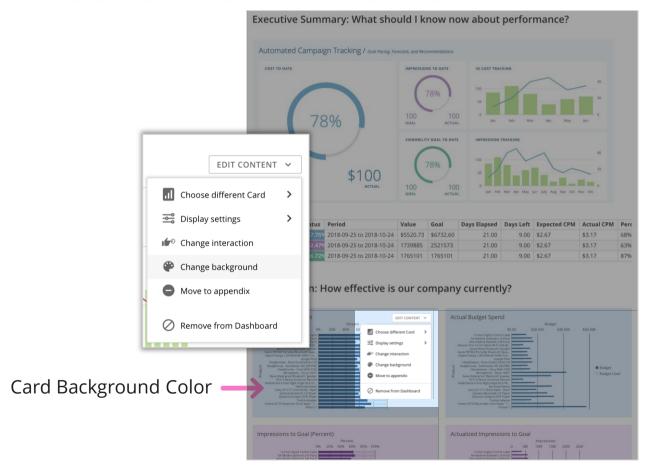
USE COLOR TO COMMUNICATE STRATEGICALLY

Beast Mode

+HTML

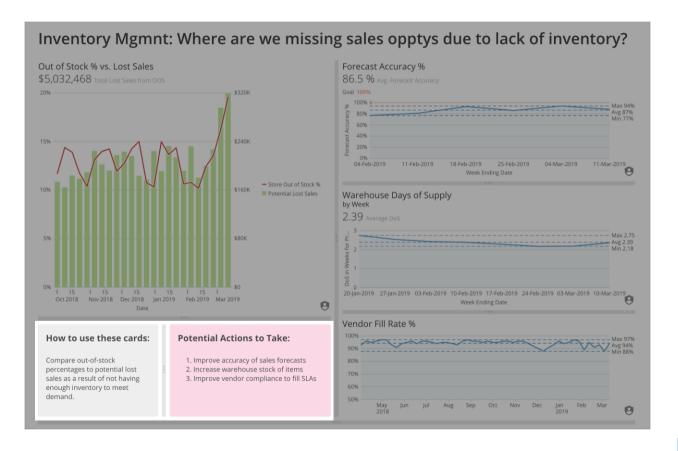


USE COLOR TO COMMUNICATE STRATEGICALLY





USE COLOR + TEXT FOR NAVIGATION



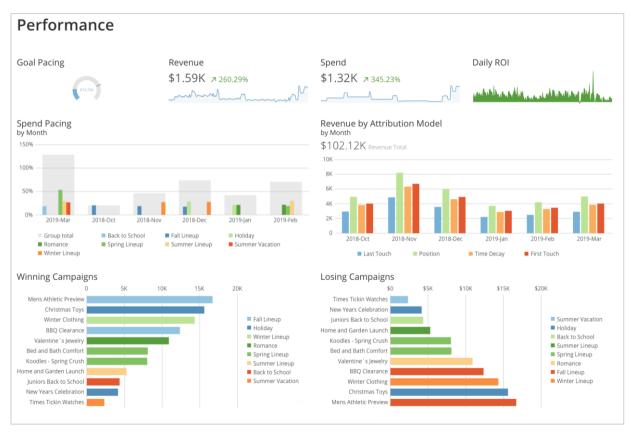


USE COLOR + TEXT FOR NAVIGATION





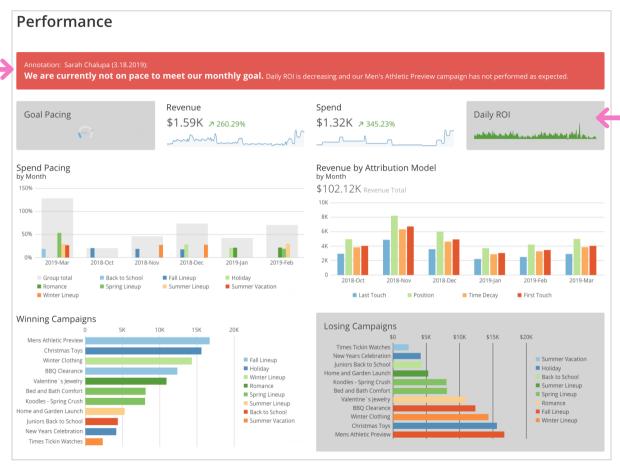
USE COLOR + TEXT FOR STORIES





USE COLOR + TEXT FOR STORIES

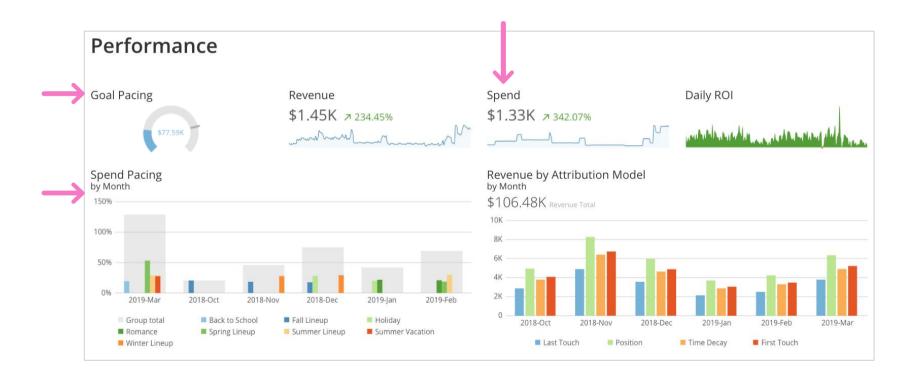
Text + Background Color



Background Color



HIDE SUMMARY NUMBERS





HIDE TITLES



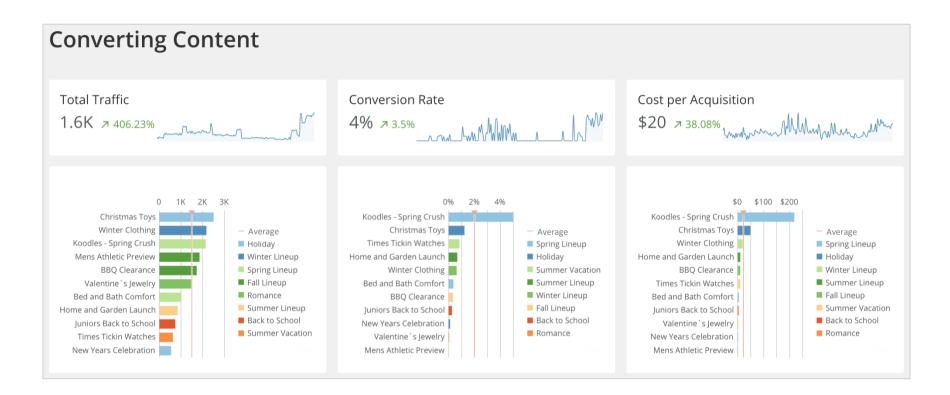


LEVERAGE PAGE BACKGROUNDS





LEVERAGE PAGE BACKGROUNDS



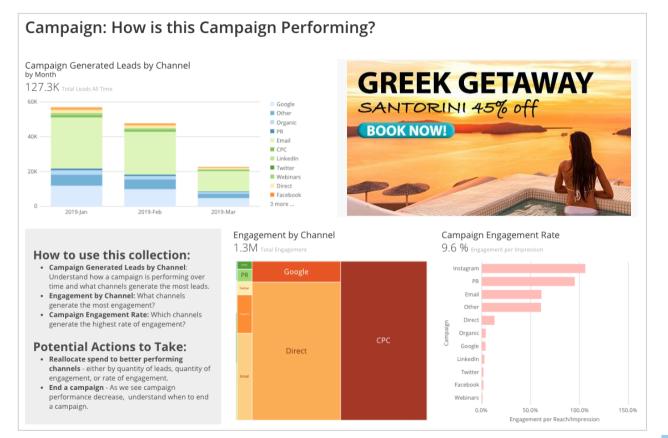


INCORPORATE IMAGES





INCORPORATE IMAGES



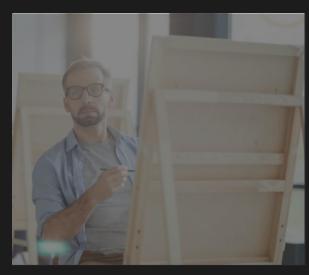


THE ARTIST PROCESS

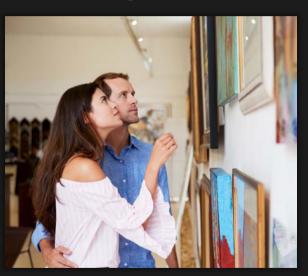
SKETCH

PAINT

DISPLAY







SELF-GUIDED

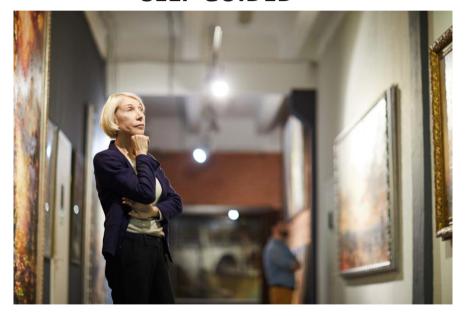


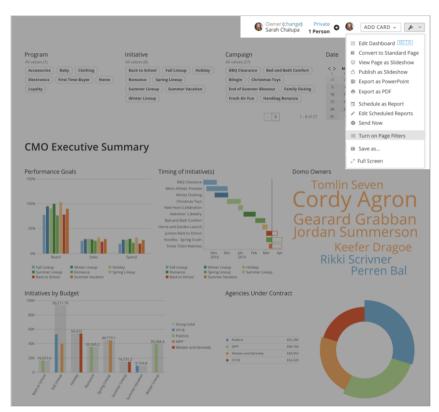
GUIDED TOUR





SELF-GUIDED

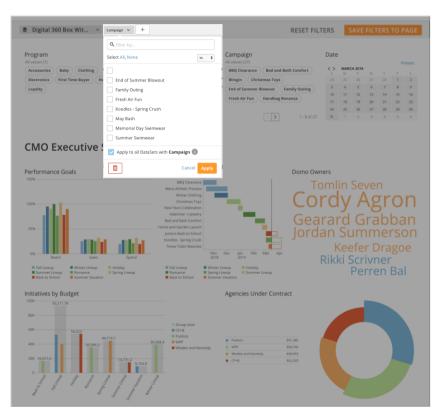






SELF-GUIDED







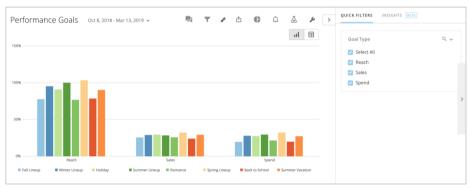
SELF-GUIDED



GUIDED TOUR

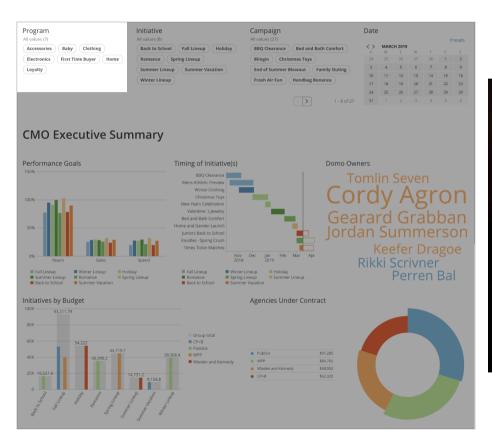






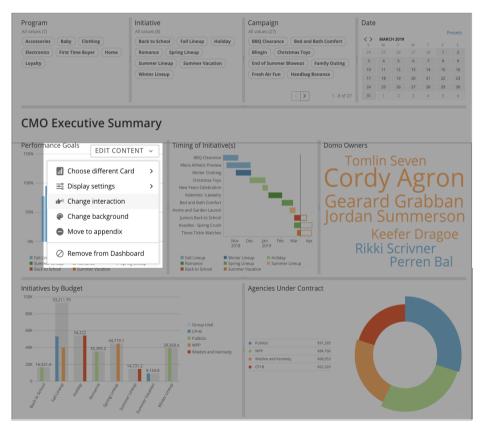






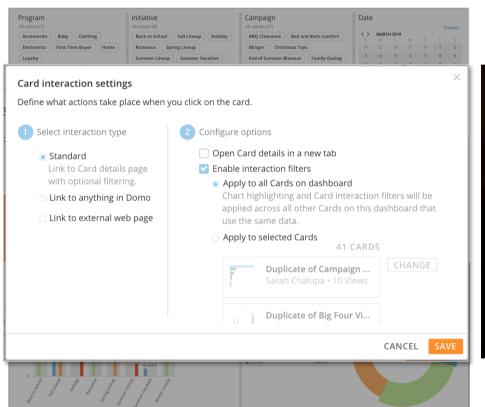
















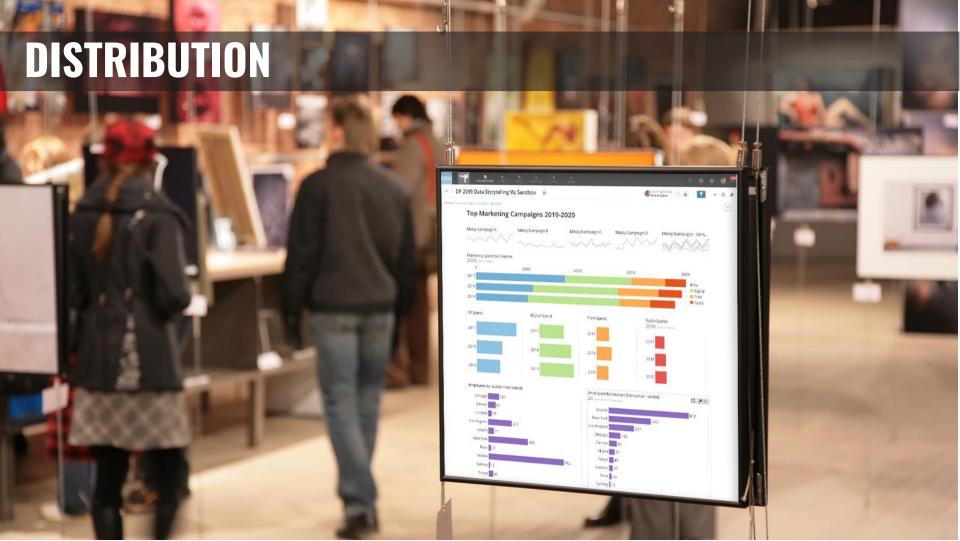


GUIDED

- Exploration
- Maximum flexibility
- Basic data literacy required
- No set-up time

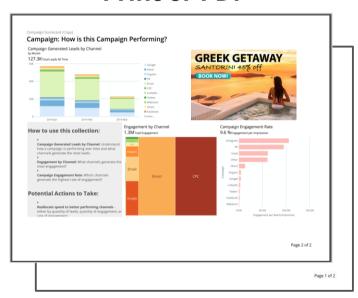
- Intuitive
- Visually appealing
- No training required
- Time spent on thoughtful design





DISTRIBUTION

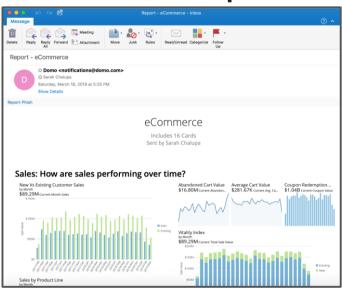
Print or PDF



Mobile

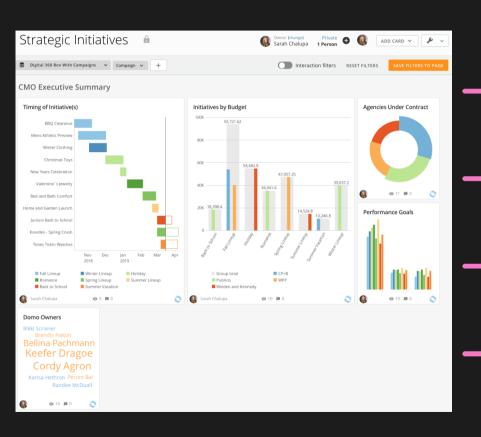


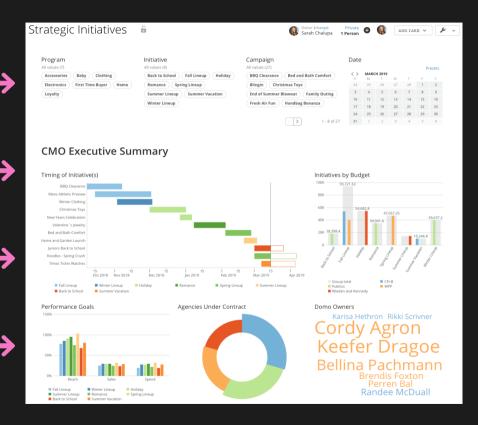
Scheduled Reports





THE JOY OF STORIES









"All you need to paint is a few tools, a little instruction, and a vision in your mind."

Bob Ross



QUESTIONS?



THANK YOU

POMER OF THE PLATFORM