

ELEMENTS OF DATA VISUALIZATION & DESIGN

Welcome!

12 Months to Better Data Series
RIPL, Fall 2024

Hello! My name is:

AMANDA

amanda@allianceresearchco.com



AGENDA

Choosing the right visualization

Practice: Graph Critique

Design Principles

Practice: Design a one-page

LEARNING OUTCOMES

- Identify the key steps in creating a data-informed visualization
- Increased confidence in choosing the right visualization to effectively display data
- Be familiar with basic design principles that enhance comprehension and accommodate accessibility needs



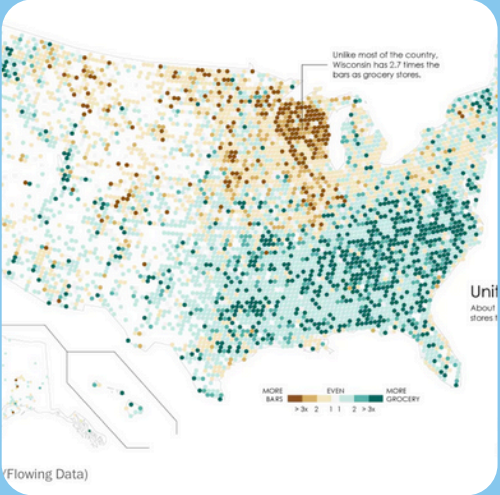
**What is data
visualization?**

EXAMPLES OF VISUALIZATIONS

Poll question: What kinds of visualizations do you typically create?



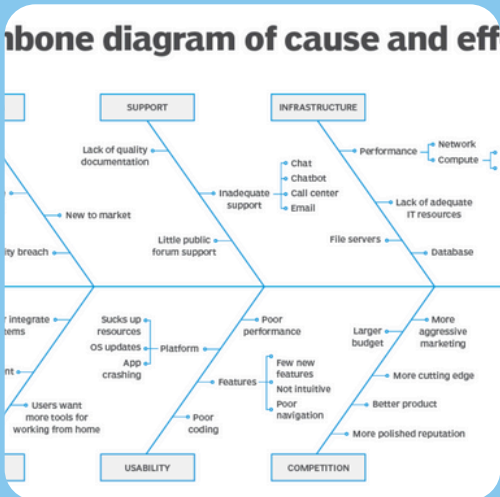
Charts & Graphs



Maps

2		3		4	
x	y	x	y	x	y
10.0	9.14	10.0	7.46	8.0	6.58
8.0	8.14	8.0	6.77	8.0	5.76
13.0	8.74	13.0	12.74	8.0	7.71
9.0	8.77	9.0	7.11	8.0	8.84
11.0	9.26	11.0	7.81	8.0	8.47
14.0	8.10	14.0	8.84	8.0	7.04
6.0	6.13	6.0	6.08	8.0	5.25
4.0	3.10	4.0	5.39	19.0	12.50
12.0	9.13	12.0	8.15	8.0	5.56
7.0	7.26	7.0	6.42	8.0	7.91
5.0	4.74	5.0	5.73	8.0	6.89

Tables



Diagrams



Infographics



**Why visualize
data?**

The more visual the input becomes, the more likely it is to be recognized and recalled.

John Medina, Brain Rules

REASONS TO VISUALIZE

To see patterns

1		2		3		4	
x	y	x	y	x	y	x	y
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

*Almost identical
summary statistics:*

x & y mean

x & y variance

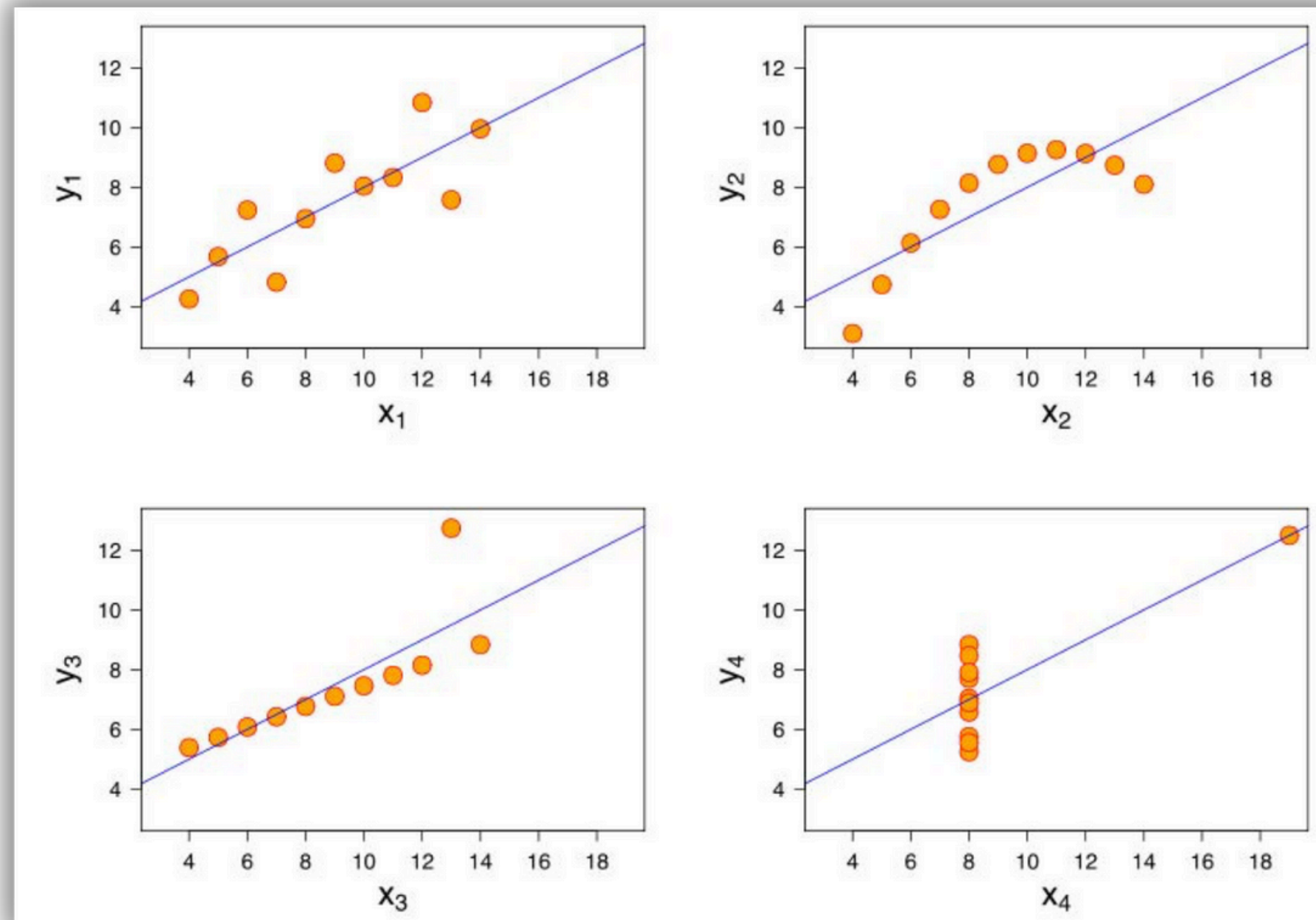
x-y correlation

x-y linear regression

Anscombe's Quartet

REASONS TO VISUALIZE

To see patterns



Anscombe's Quartet


REASONS TO VISUALIZE

To grab attention



Photo by Christina Morillo: <https://www.pexels.com/photo/man-standing-infront-of-white-board-1181345/>

DEIA Considerations



Understand
your bias.
We all have
bias!

Use empathy
and people-
centered
language.

Put
accessibility at
the forefront
when making
design choices.



PART 1: **CHOOSING THE RIGHT VISUALIZATION**

VISUALIZATION BEST PRACTICES

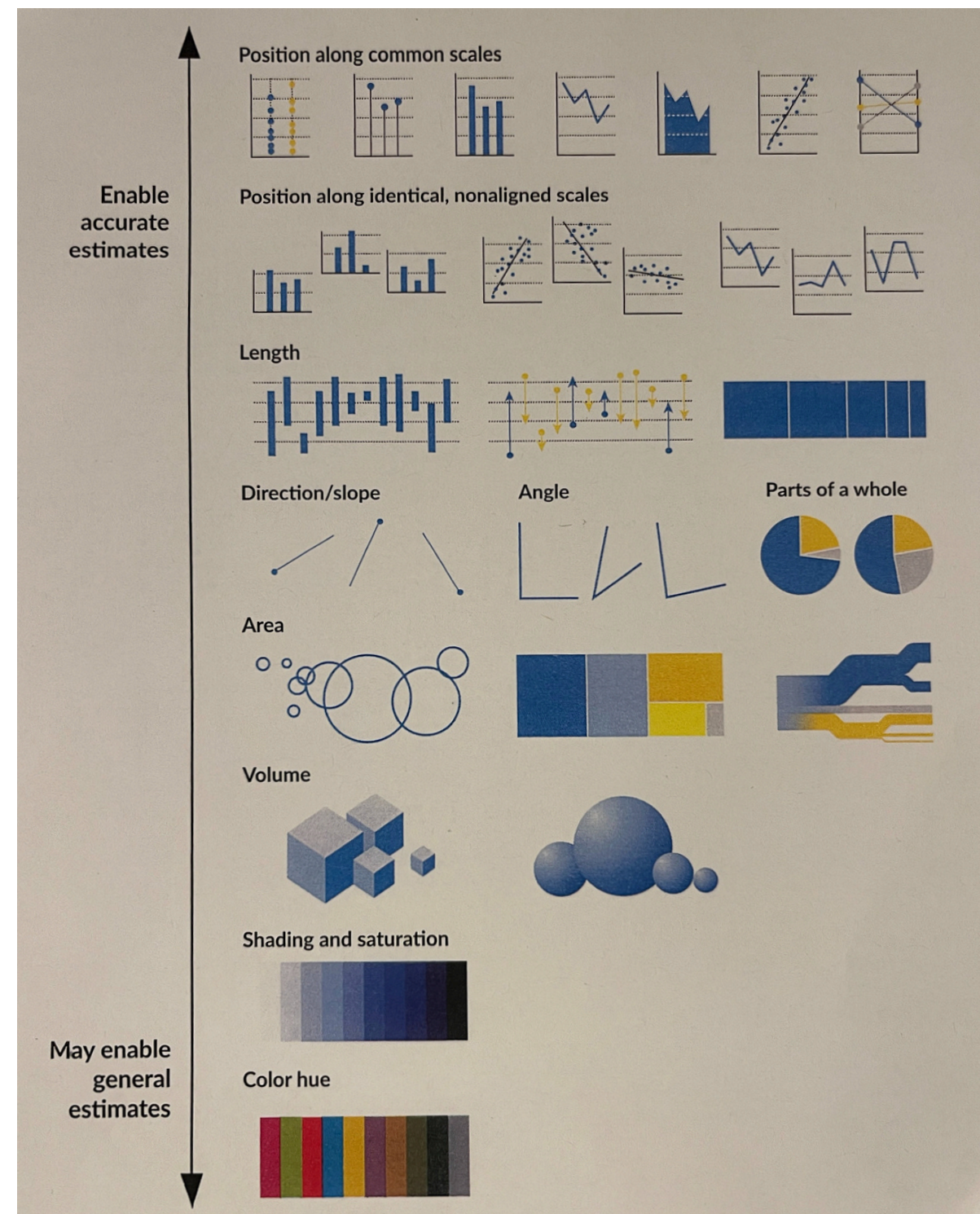
1. Use the right visualization format

2. Give context to numbers & show the data

3. Tell a story

4. Keep it simple

USE THE RIGHT VISUALIZATION



Questions to consider:

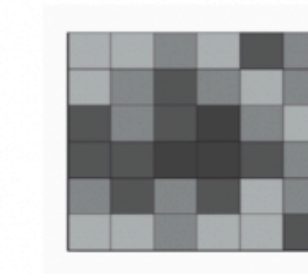
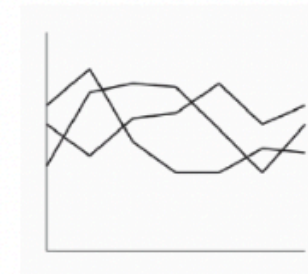
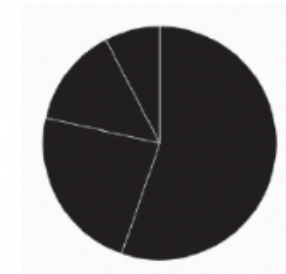
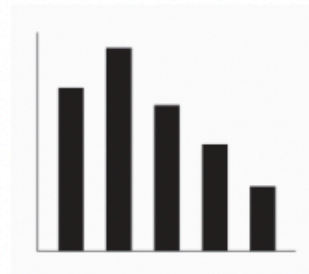
- What needs to be communicated?
- What level of precision is needed?

USE THE RIGHT VISUALIZATION

CHARTS

Good charts for broad audiences

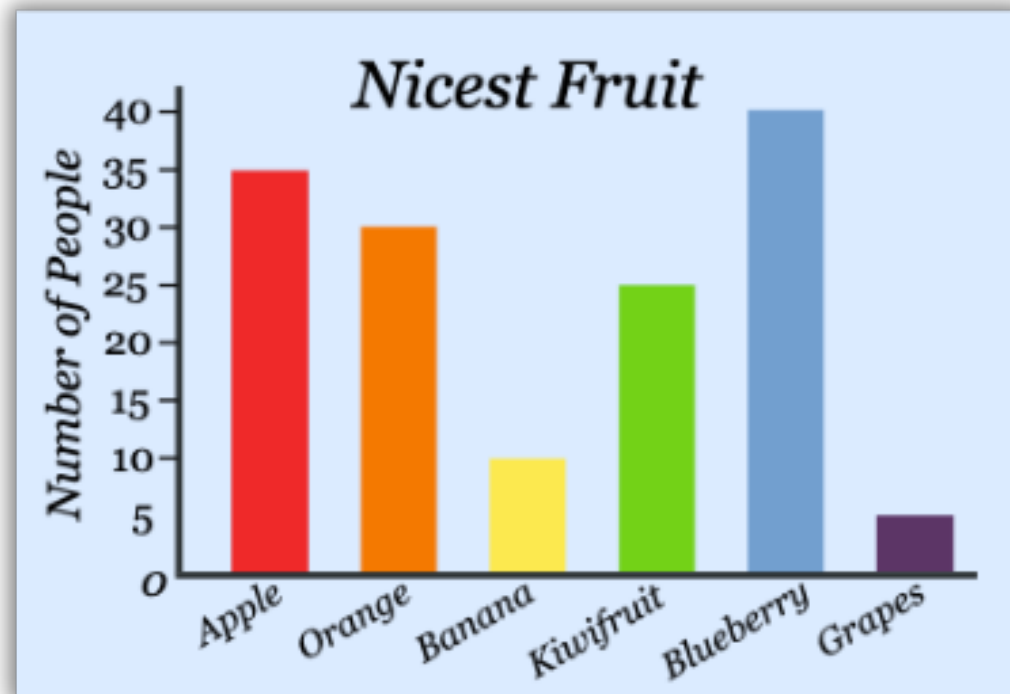
- Bar chart
- Pie chart
- Line chart
- Scatterplot
- Highlight table/
heatmap



Zoss, Angela M. "Designing Public Visualizations of Library Data." In *Data Visualization: A Guide to Visual Storytelling for Librarians*, edited by Lauren Magnuson. Lanham, MD: Rowman & Littlefield Publishers, Inc., 2016. Preprint: <https://dx.doi.org/10.6084/m9.figshare.3811713.v1>

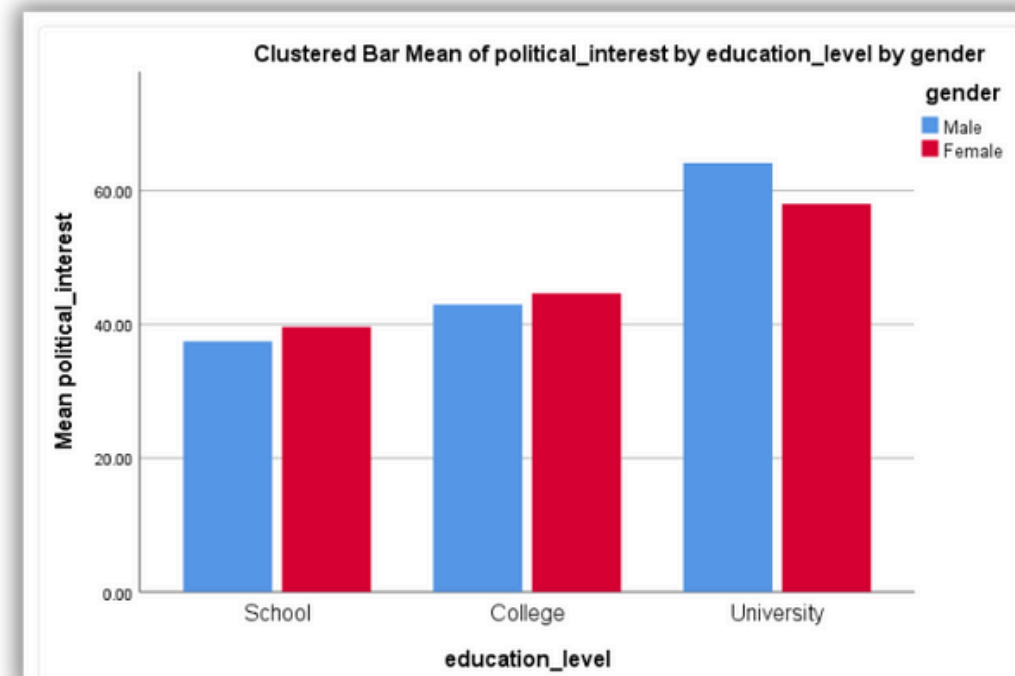
USE THE RIGHT VISUALIZATION

BAR CHARTS

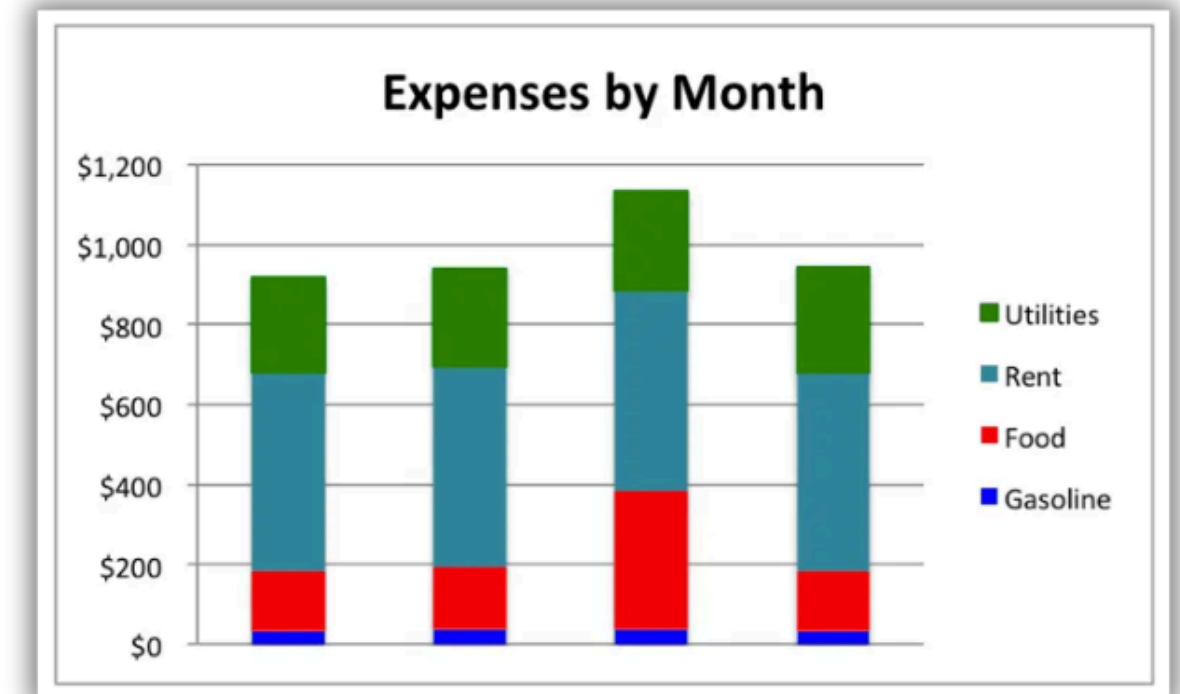


Standard bar chart

[source](#)



Grouped bar chart

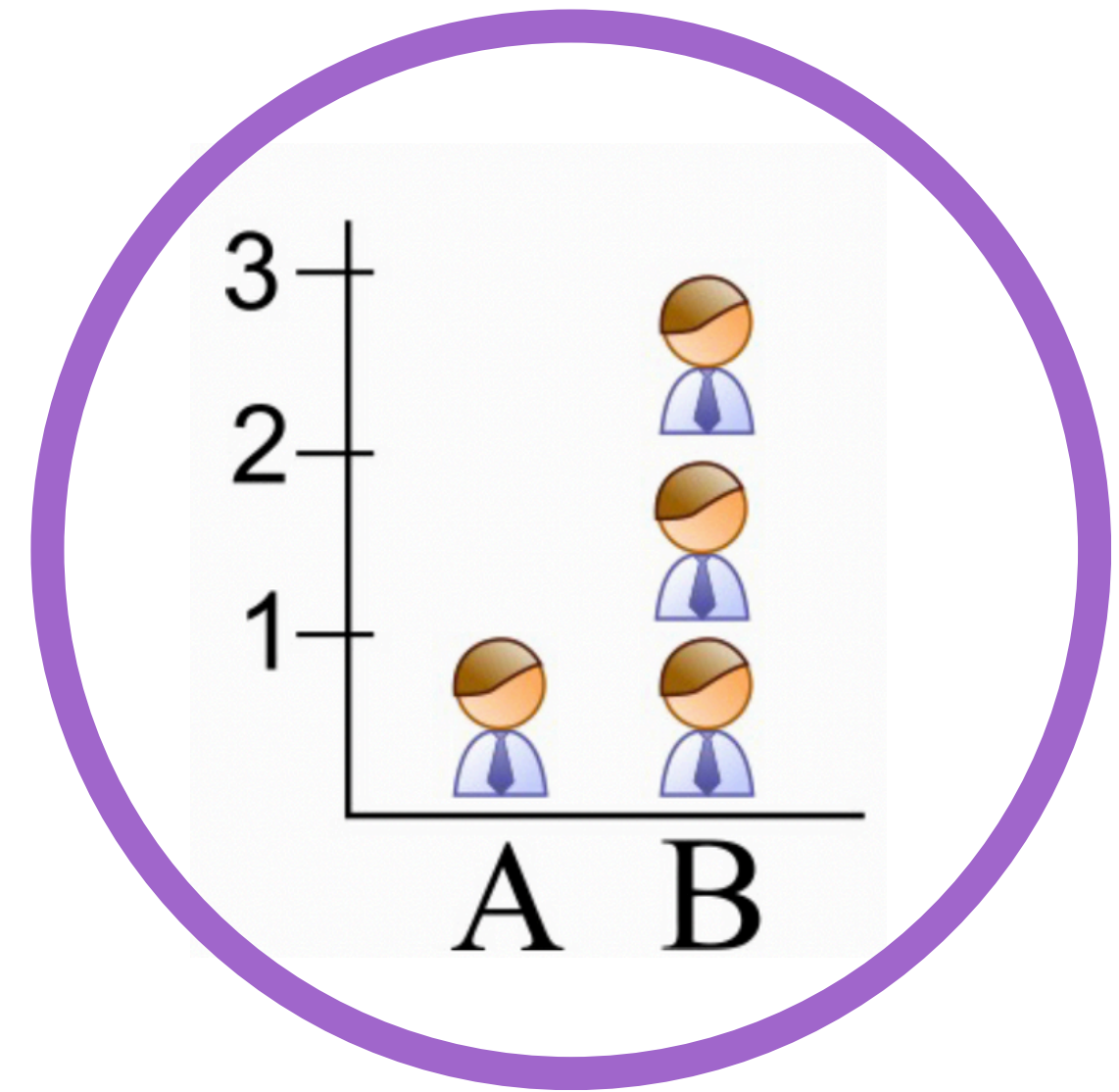
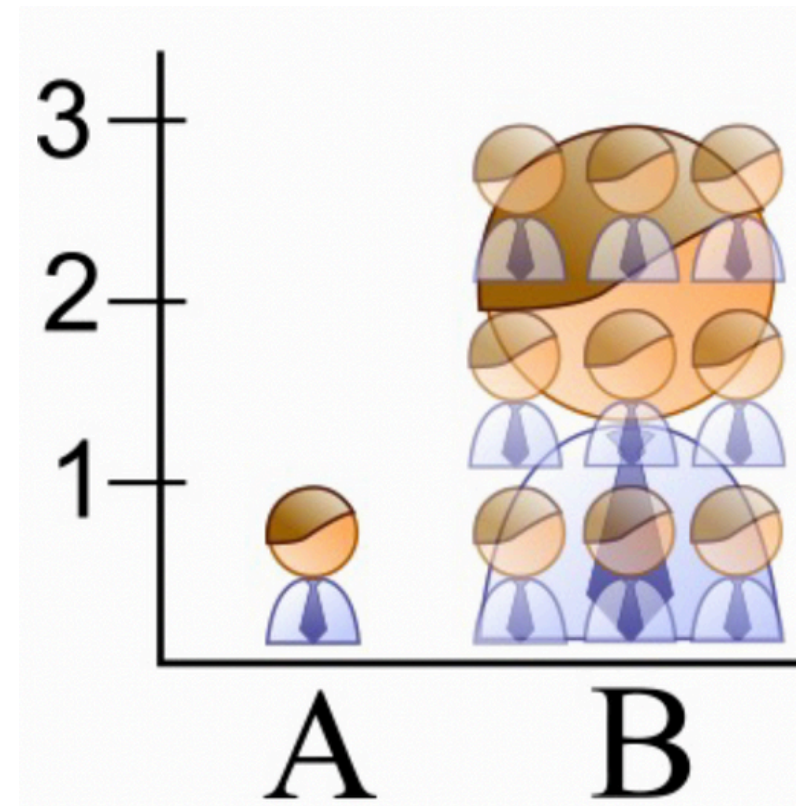
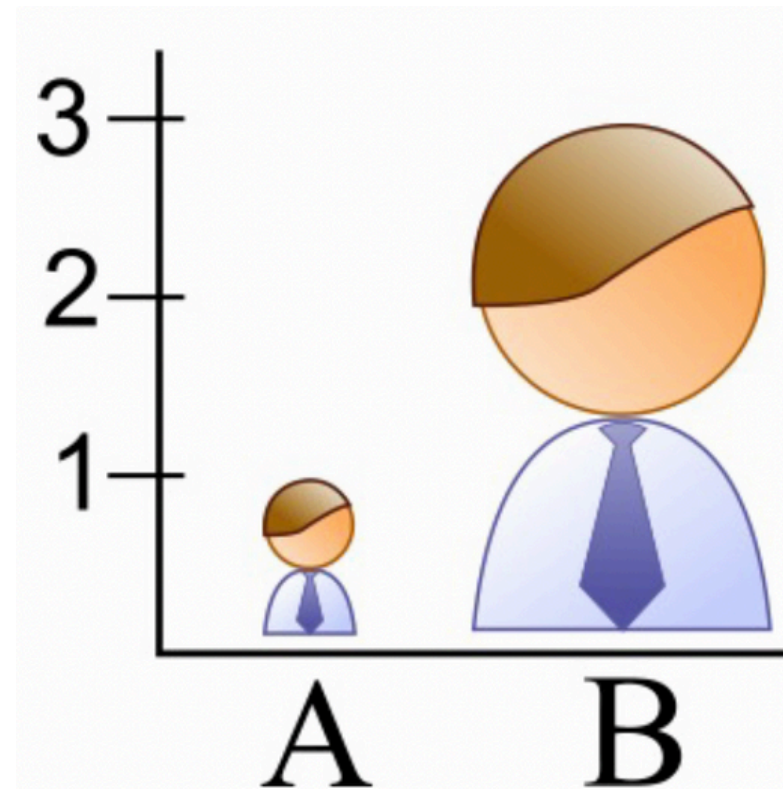


Stacked bar chart

[Source](#)

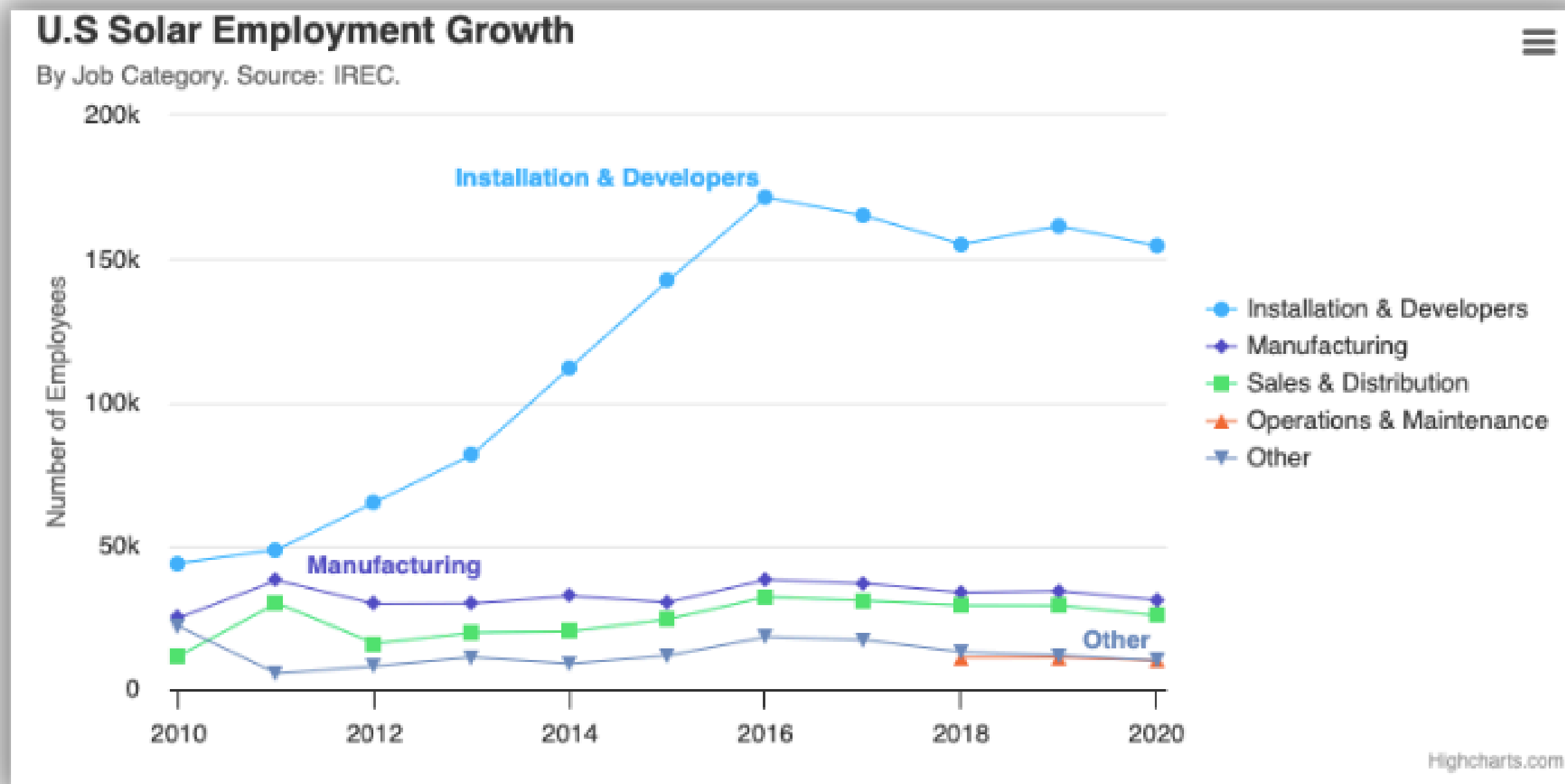
USE THE RIGHT VISUALIZATION

DISTORTION



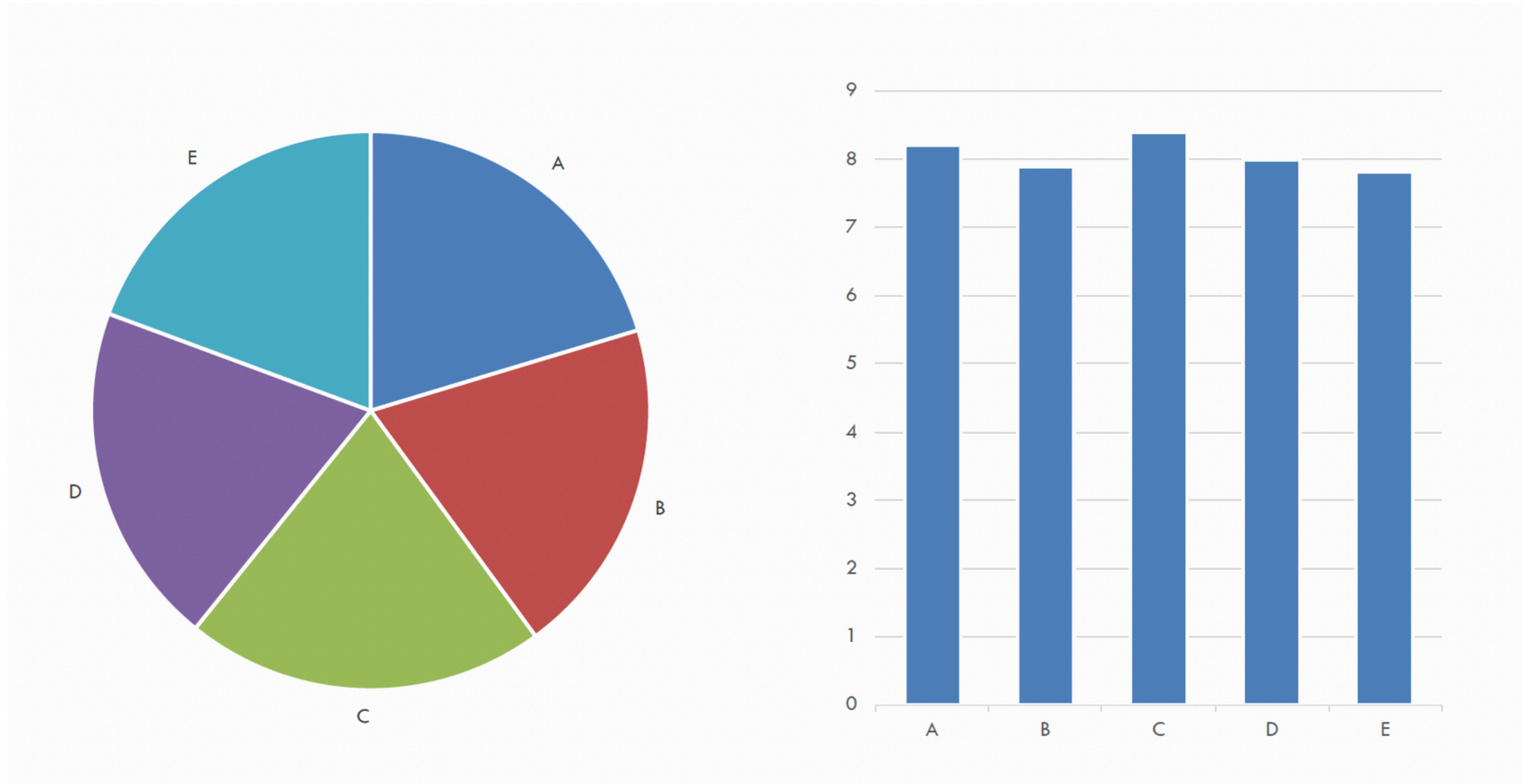
USE THE RIGHT VISUALIZATION

LINE CHARTS



USE THE RIGHT VISUALIZATION

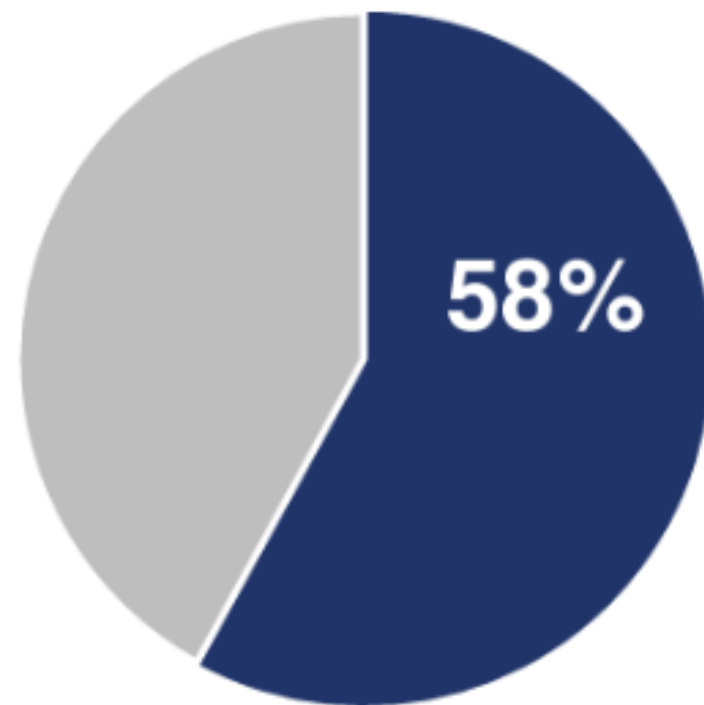
PIE CHARTS



USE THE RIGHT VISUALIZATION

PIE CHARTS

Federal law requires schools to have a transition plan for every special education student exiting high school.



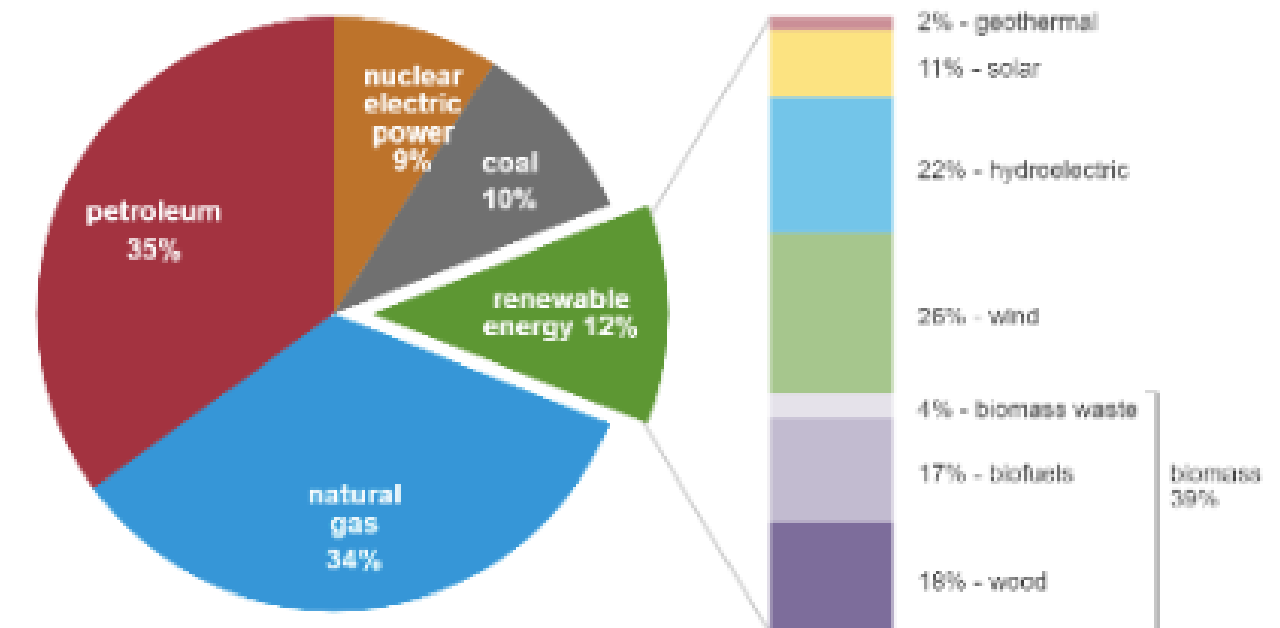
of youth with autism had a transition plan by the required age according to their teachers.

[Source](#)

U.S. primary energy consumption by energy source, 2020

total = 92.94 quadrillion British thermal units (Btu)

total = 11.59 quadrillion Btu



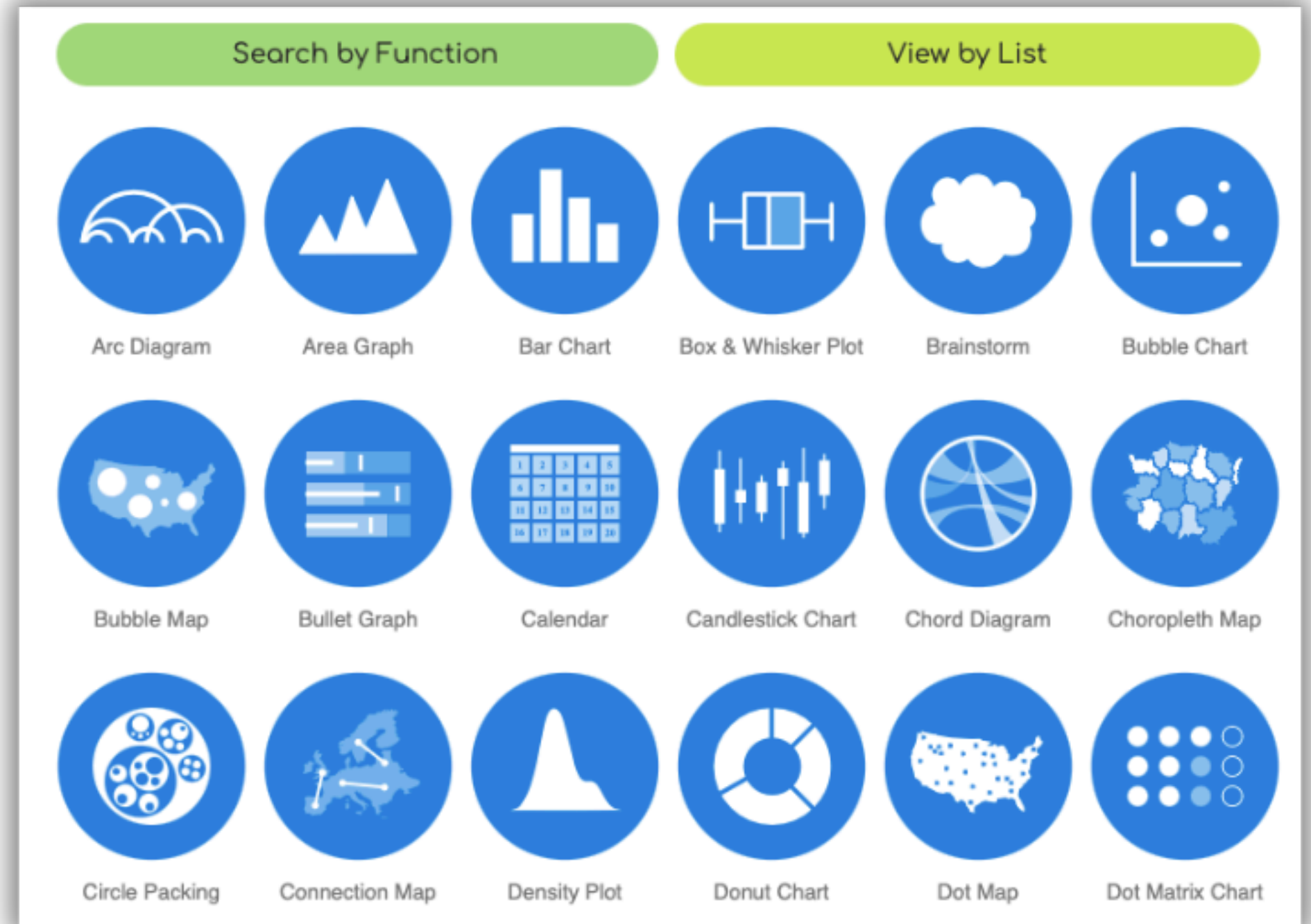
Source: U.S. Energy Information Administration, *Monthly Energy Review*, Table 1.3 and 10.1, April 2021, preliminary data
Note: Sum of components may not equal 100% because of independent rounding.

[Source](#)

USE THE RIGHT VISUALIZATION

OTHER CHARTS

Data Viz Catalogue



USE THE RIGHT VISUALIZATION

TABLES

1. Offset the header from the body
2. Use subtle dividers
3. Right-align numbers and column headers
4. Left align text values
5. Choose the appropriate level of precision
6. Guide the reader with spacing
7. Highlight outliers or important data
8. Introduce visualization

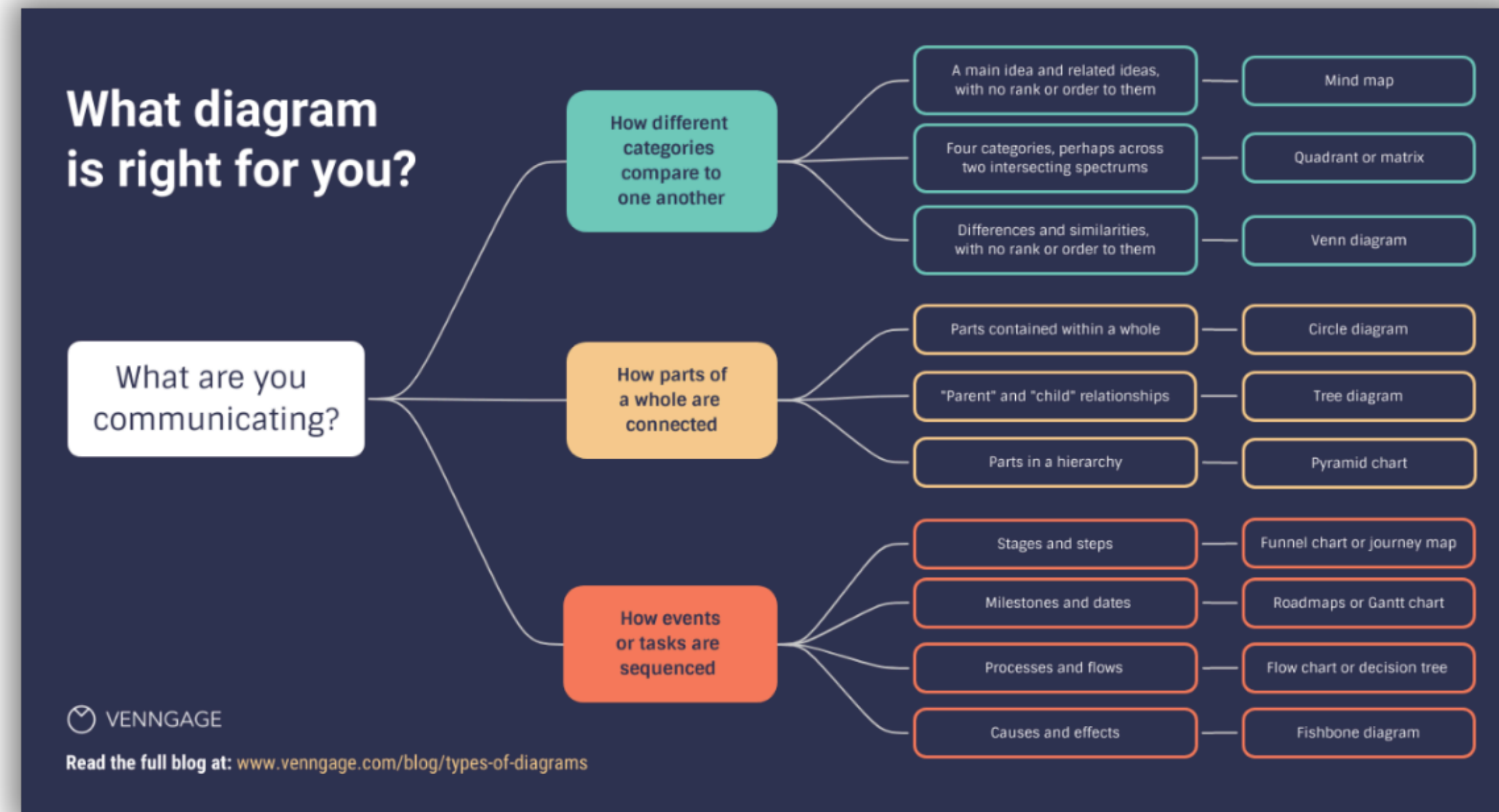
Number of People Participating in Food Distribution Programs on Indian Reservations						
(Data as of March 9, 2018)						
State	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Percent Change FY 2013-FY 2017
Alaska	204	347	479	650	724	254.9 ▲
Arizona	10,835	11,556	11,880	11,887	11,235	3.7 ▲
California	5,593	5,495	5,159	4,795	4,463	-20.2 ▼
Colorado	419	454	402	442	353	-15.8 ▼
Idaho	1,440	1,566	1,688	1,706	1,530	6.3 ▲
Kansas	416	551	569	592	613	47.4 ▲
Michigan	1,299	1,846	1,971	2,061	1,960	50.9 ▲
Minnesota	2,297	2,756	2,645	2,600	2,487	8.3 ▲
Mississippi	701	863	958	1,056	1,169	66.8 ▲
Montana	2,375	3,144	3,149	3,313	3,271	37.7 ▲
Nebraska	1,010	1,229	1,339	1,396	1,267	25.4 ▲
Nevada	1,373	1,611	1,508	1,468	1,328	-3.3 ▼
New Mexico	2,533	2,853	2,966	2,890	2,809	10.9 ▲
New York	380	384	369	452	350	-7.9 ▼
North Carolina	584	736	743	700	671	14.9 ▲
North Dakota	3,840	4,800	4,976	5,661	5,569	45.0 ▲
Oklahoma	25,678	29,012	31,042	33,588	32,795	27.7 ▲
Oregon	678	871	800	785	687	1.3 ▲
South Dakota	7,457	8,123	8,208	8,505	8,525	14.3 ▲
Texas	117	131	142	124	114	-2.6 ▼
Utah	117	167	217	421	384	228.2 ▲
Washington	3,164	3,185	3,284	3,410	3,221	1.8 ▲
Wisconsin	2,441	2,978	3,240	3,442	3,367	37.9 ▲
Wyoming	657	742	881	1,096	1,190	81.1 ▲
Total	75,608	85,397	88,615	93,038	90,083	19.1

Note: FDPPIR is an alternative to the Supplemental Nutrition Assistance Program for Indian tribal organizations which prefer food distribution. Participation numbers are 12-month average. Data are subject to revision.

r icons denoting change—are other ways to add

USE THE RIGHT VISUALIZATION DIAGRAMS

Venngage



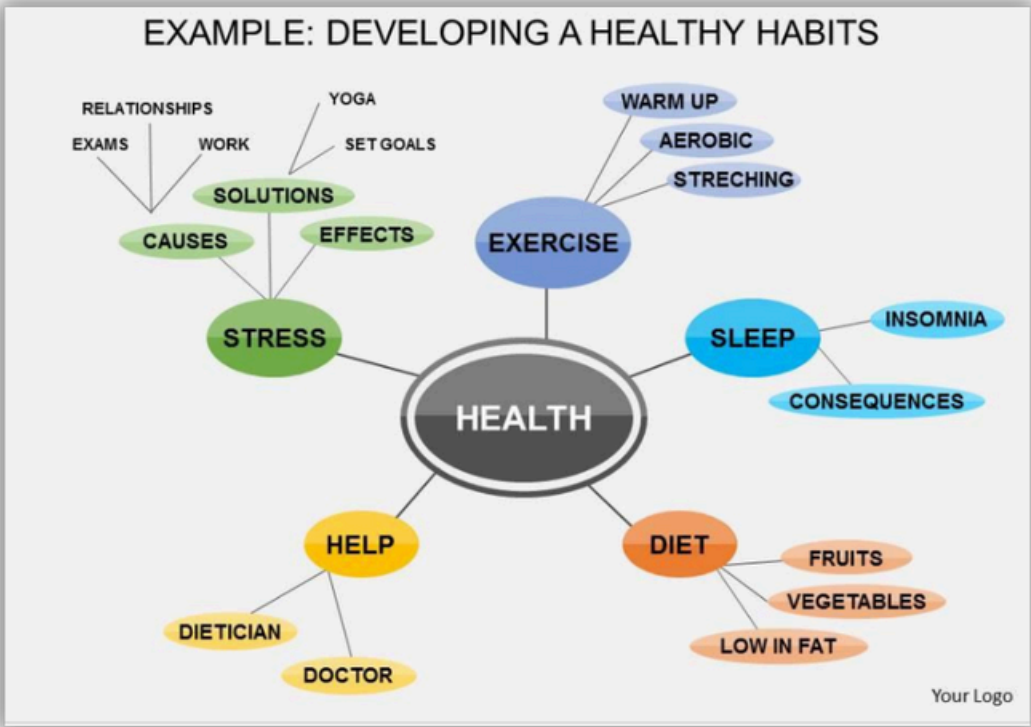
USE THE RIGHT VISUALIZATION

DIAGRAMS

How different categories compare to one another



Venn diagram



Mind Map

Employee Project Involvement Matrix												
Actors	Actions											
	Customer Communication	Requirements Analysis	Legal Support	Prototype Development	Structure	Module 1 development	Module 2 development	Module 3 development	Module Link	Test	Fulfillment	Train Customer
Angela Washington	Responsible	Responsible										
Sindre Jakobsen										Responsible		
Michael Demker						Responsible						Technical Support
Troy Mitchell					Responsible		Responsible				Technical Support	Responsible
Bryan Harston		Technical Support		Responsible			Responsible					
Chris Hendley						Responsible	Responsible	Responsible	Responsible			Technical Support
William Harrison				Responsible	Responsible	Responsible	Responsible	Responsible			Responsible	
David Loquercio				Responsible	Responsible							
Jonathan Watts			Technical Support									
Kevin Bell						Responsible	Responsible	Responsible				Responsible

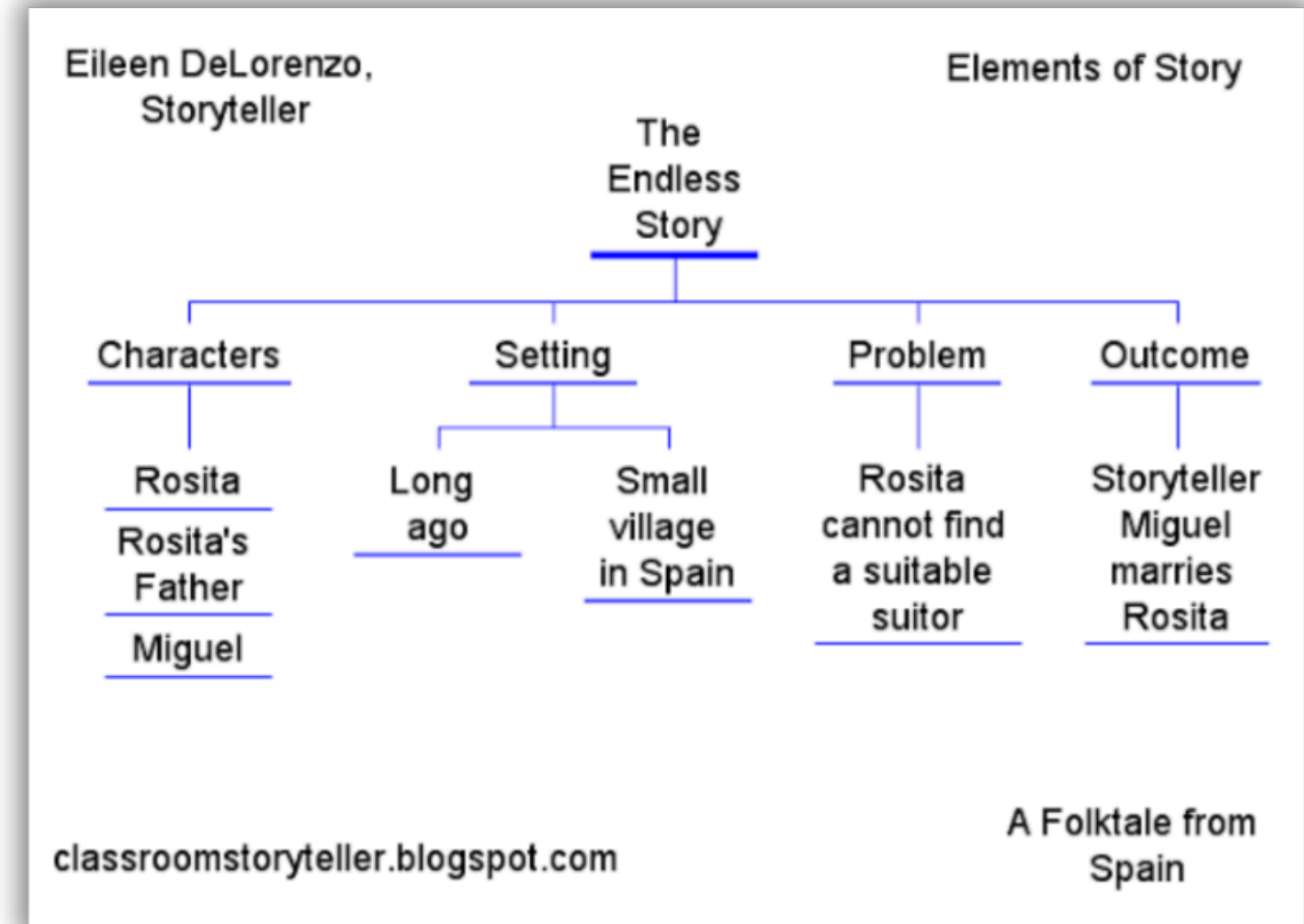
Matrix

USE THE RIGHT VISUALIZATION **DIAGRAMS**

How different parts of a whole are
connected



Circle Diagram

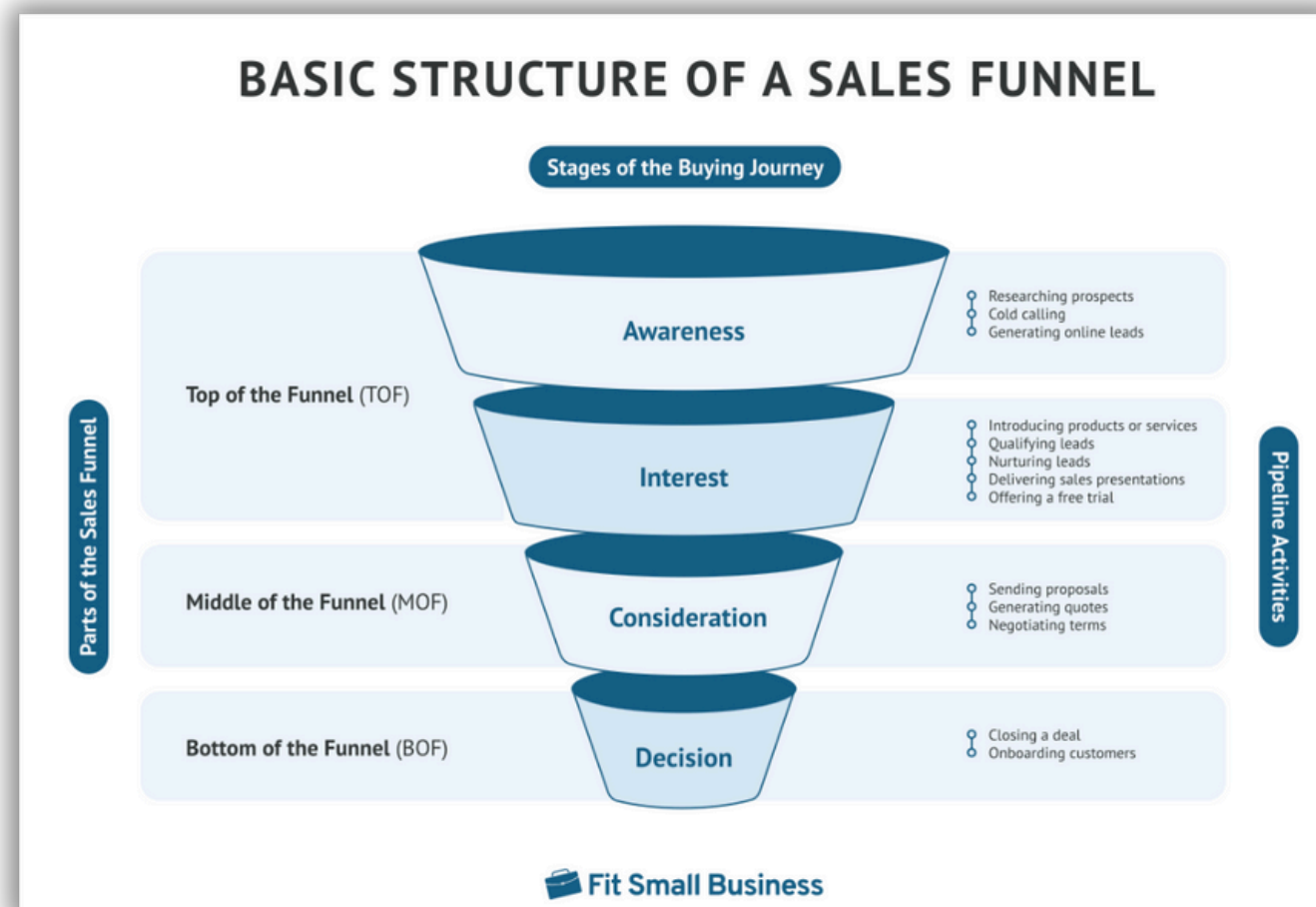


Tree Map

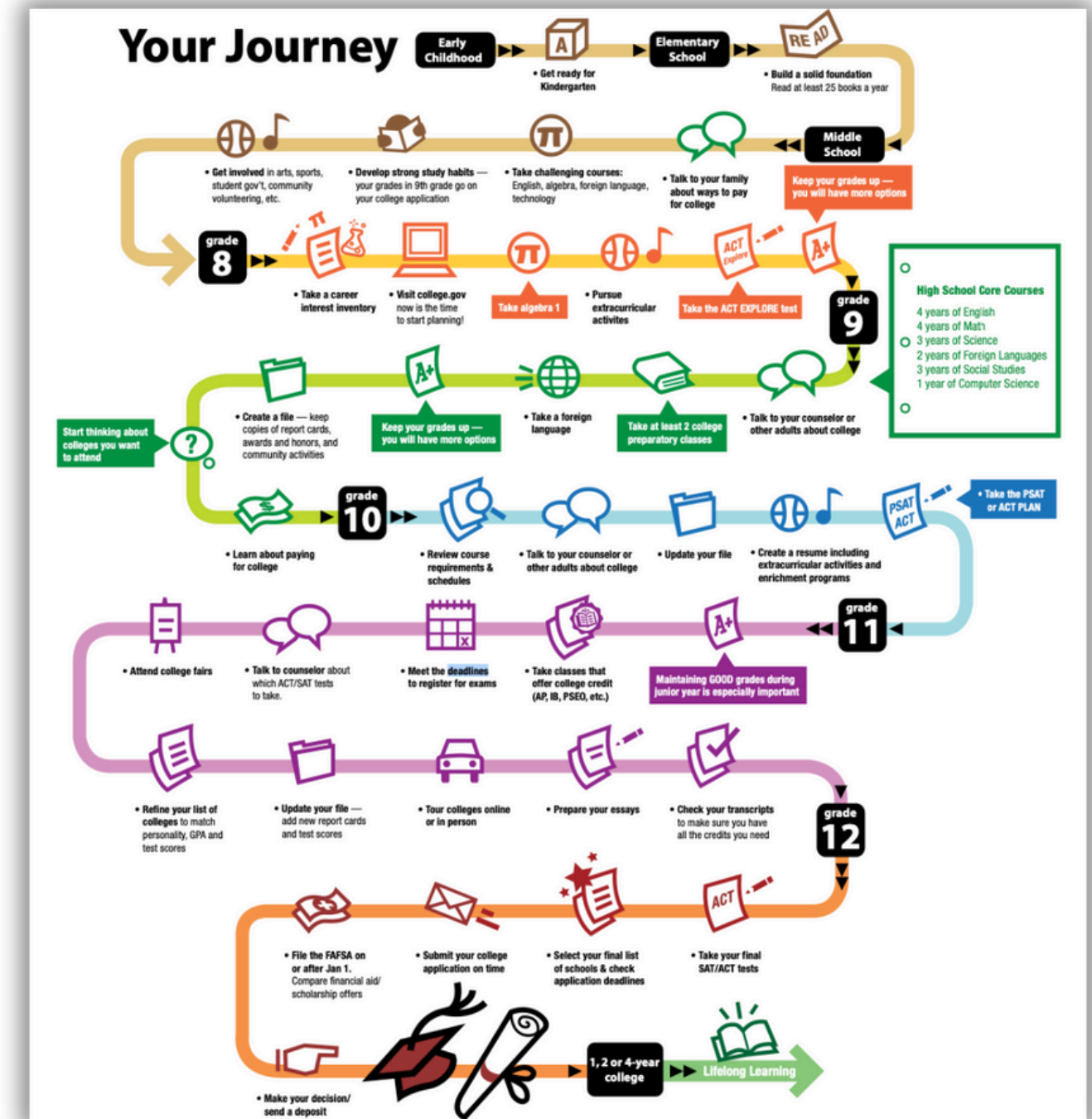
USE THE RIGHT VISUALIZATION

DIAGRAMS

How events or tasks are sequenced in a process



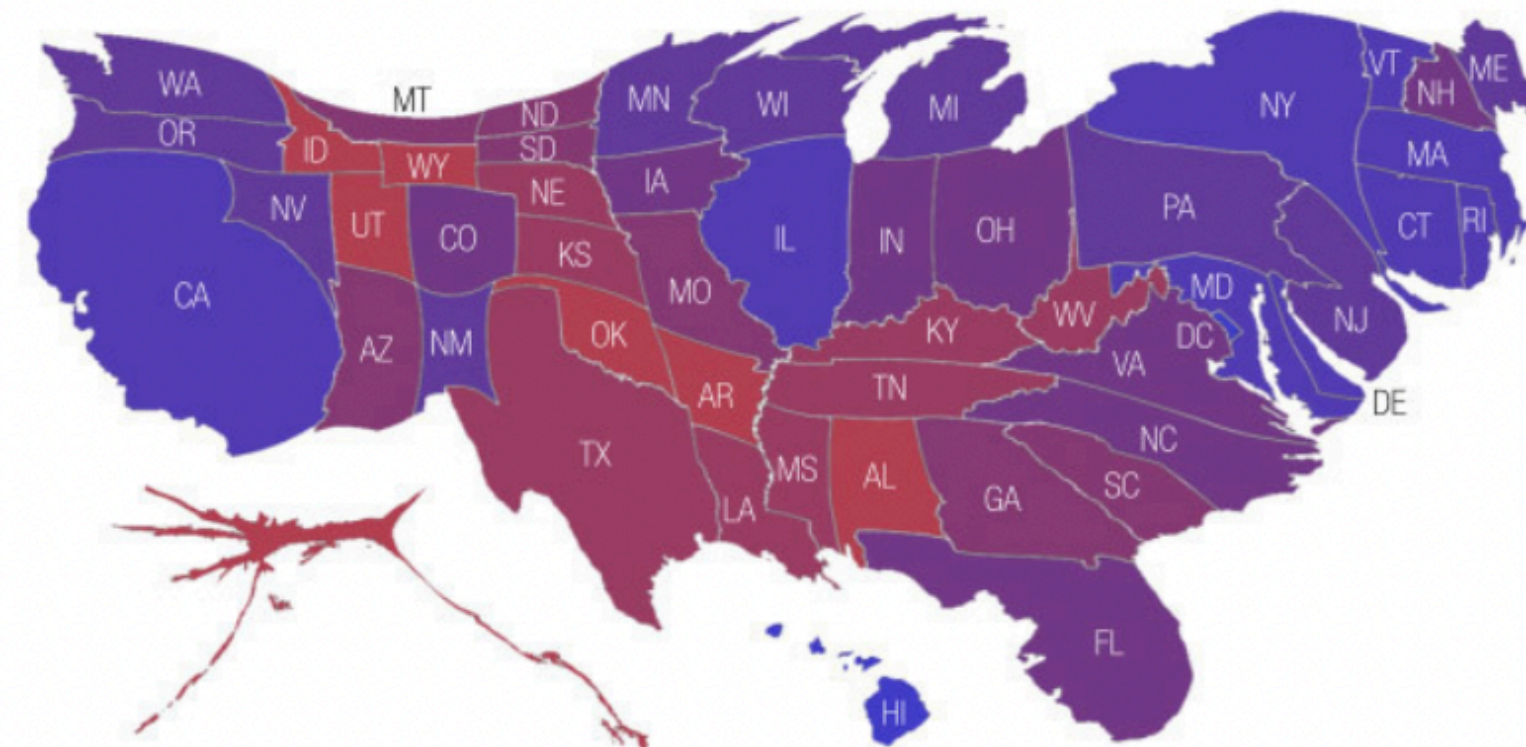
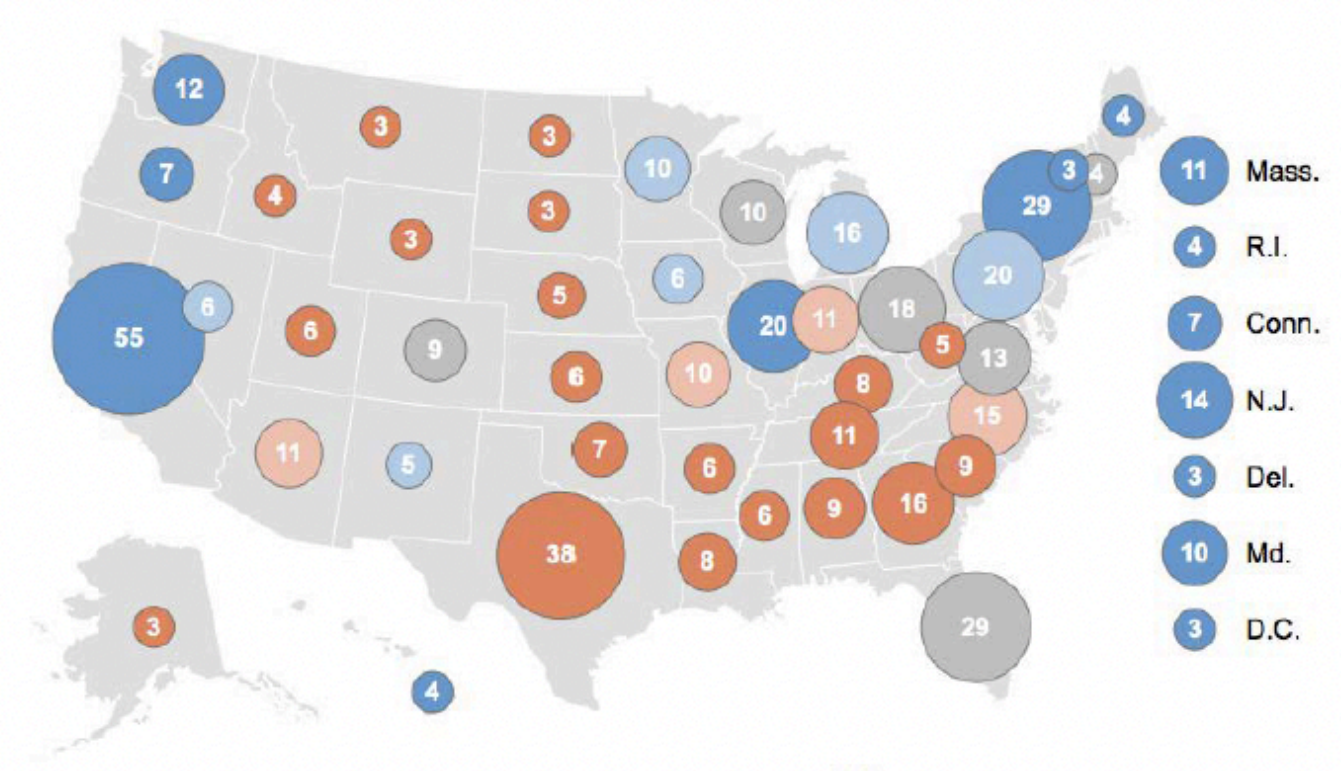
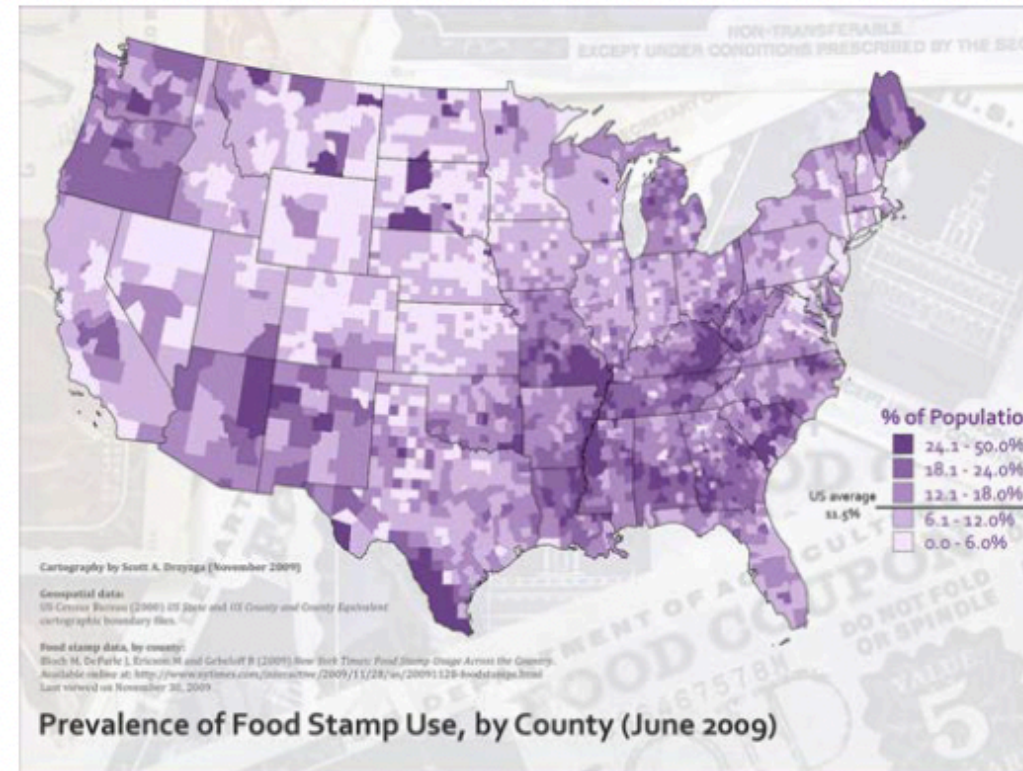
Funnel chart



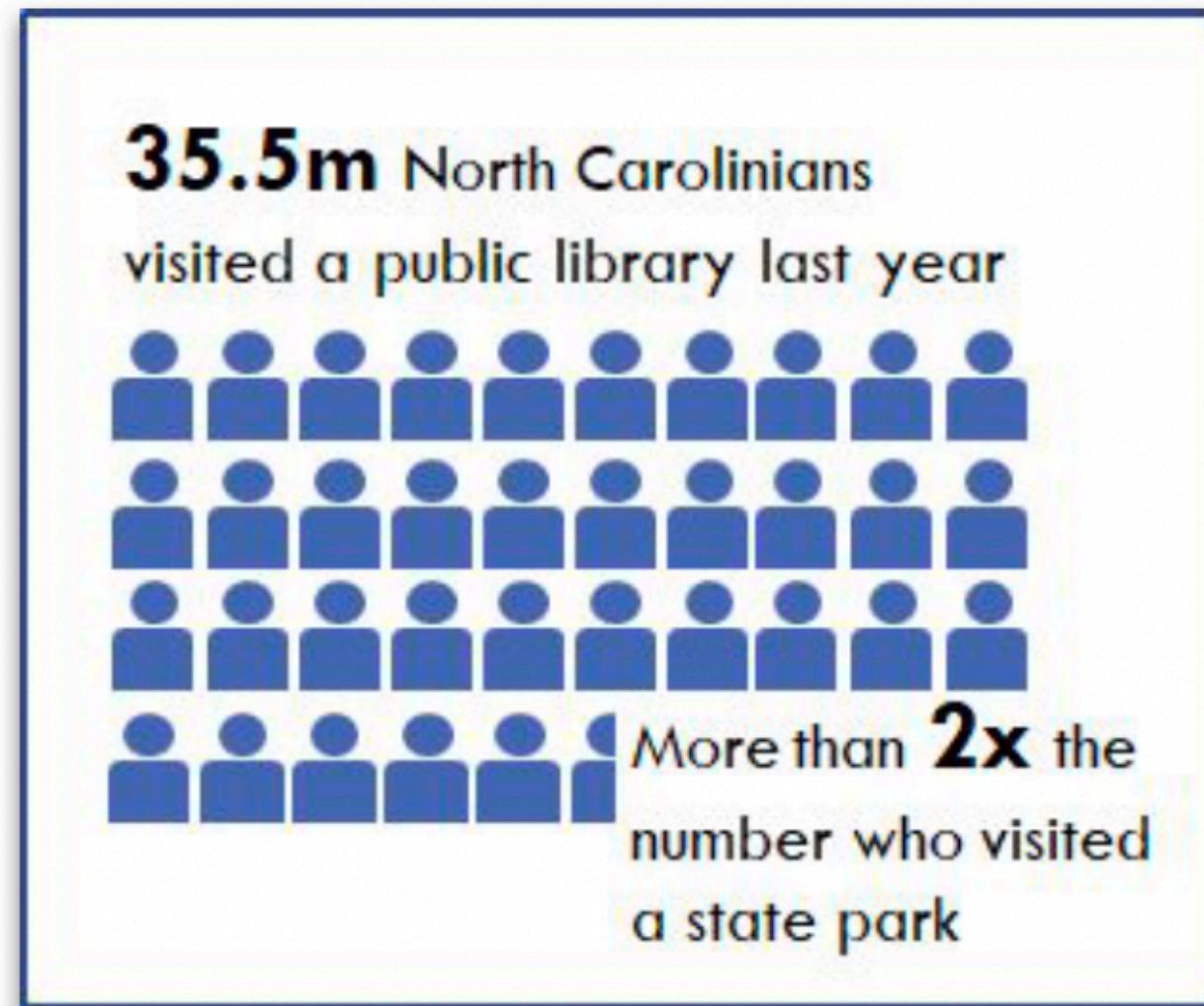
Journey Map

USE THE RIGHT VISUALIZATION

MAPS



2. GIVE CONTEXT TO NUMBERS & SHOW THE DATA



2. GIVE CONTEXT TO NUMBERS & SHOW THE DATA

But Summer Learning is more than reading...

Last summer, libraries offered

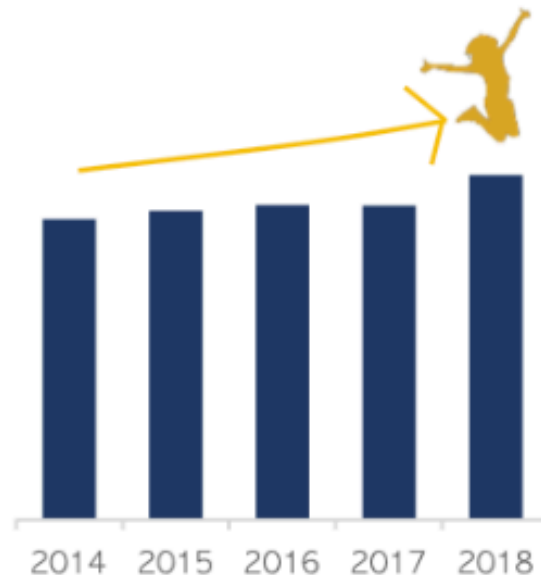
23,000

events which were attended by



691,041

children and their
families or caregivers.

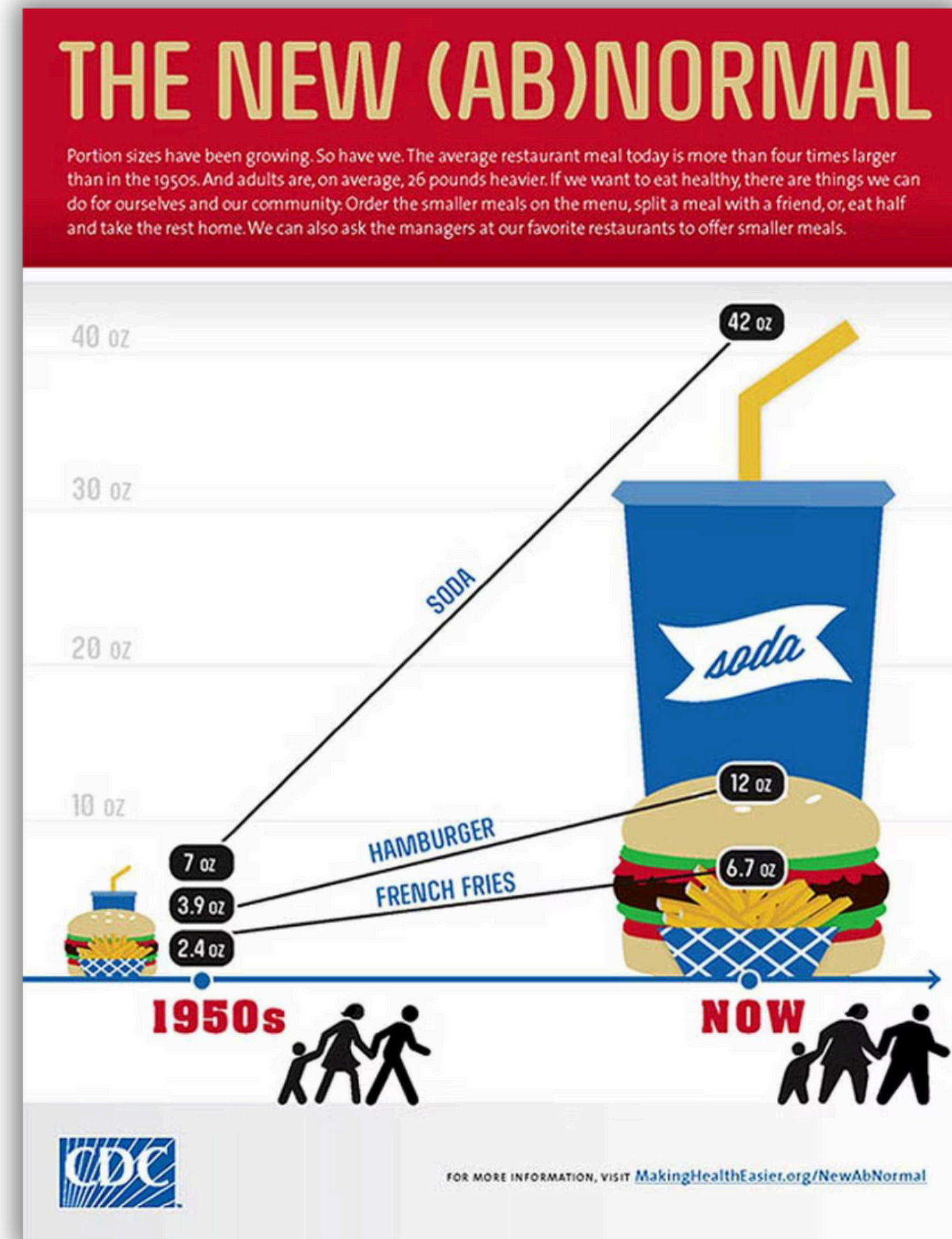


Participation in
Summer Learning
programs has
increased 15%
over 5 years!



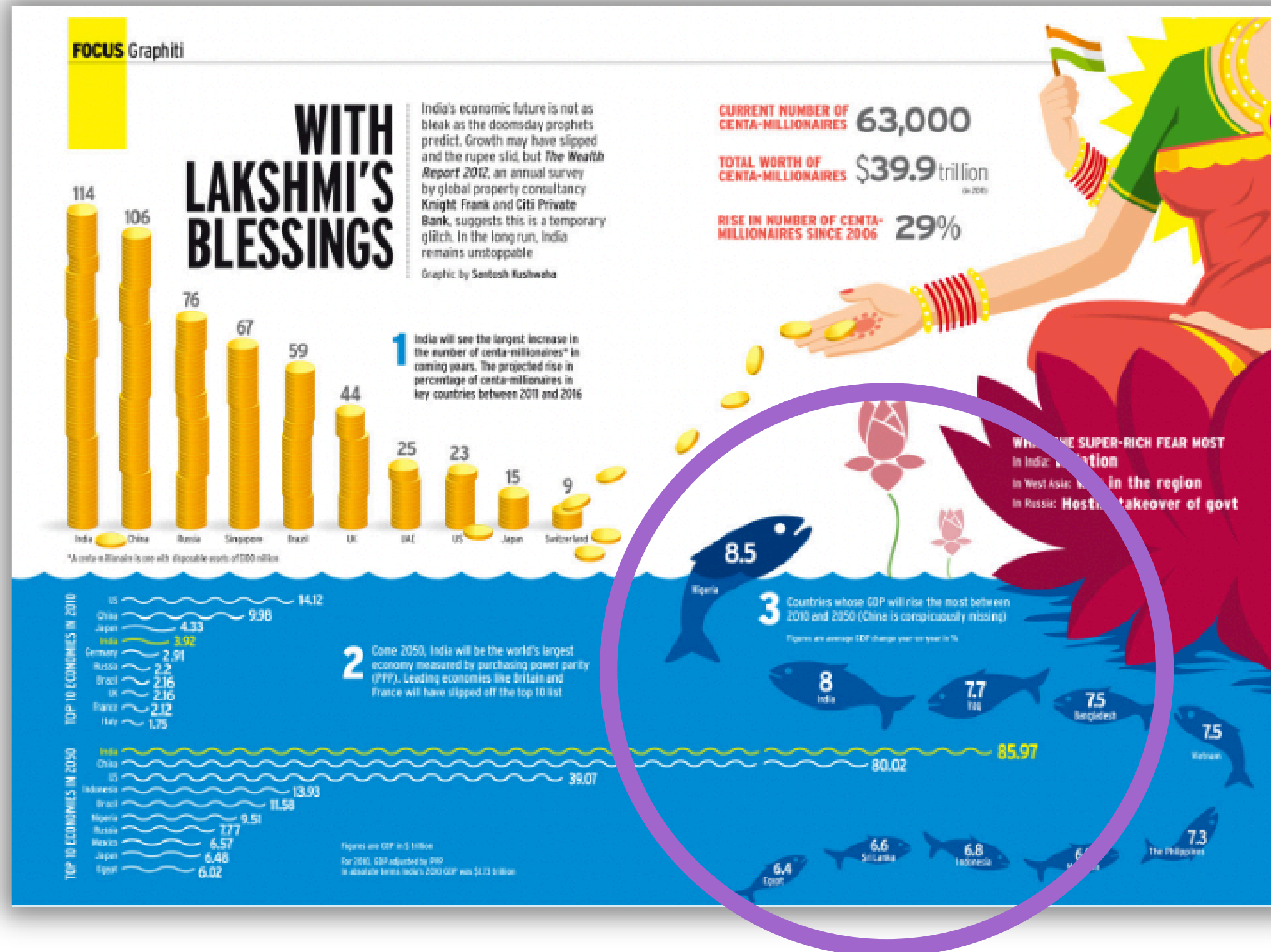
Research indicates that children
need to read at least 20 minutes
a day to maintain skill
level over the summer
months.

3. TELL A STORY



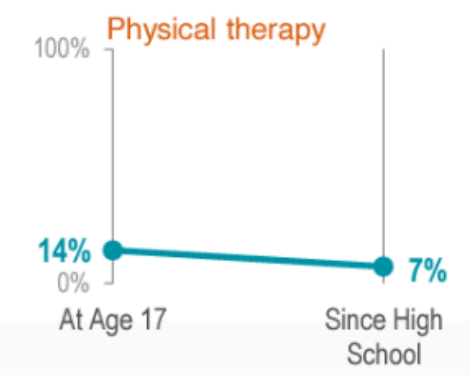
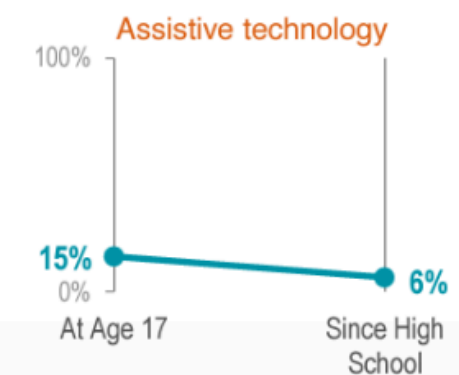
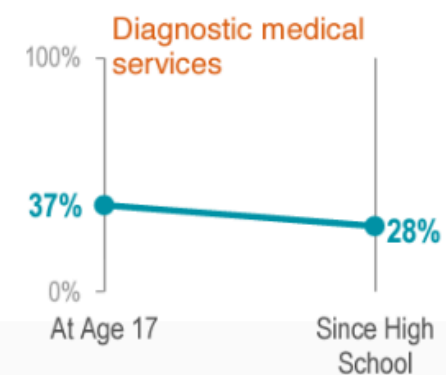
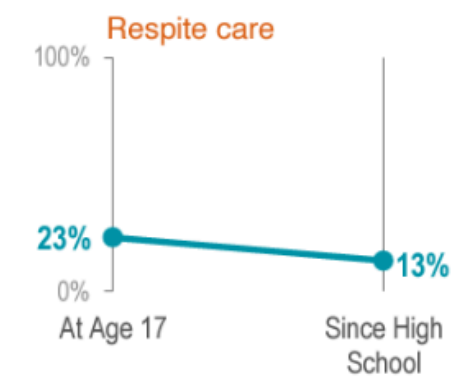
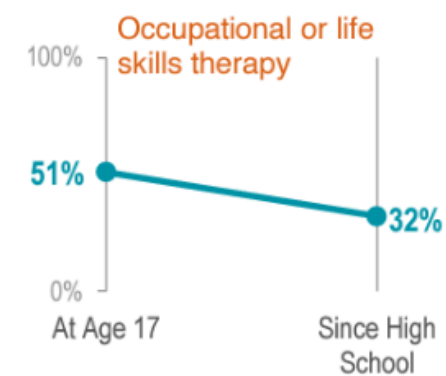
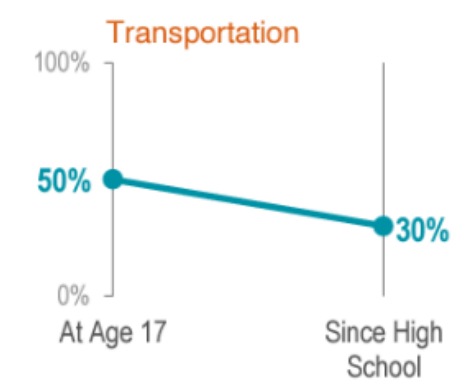
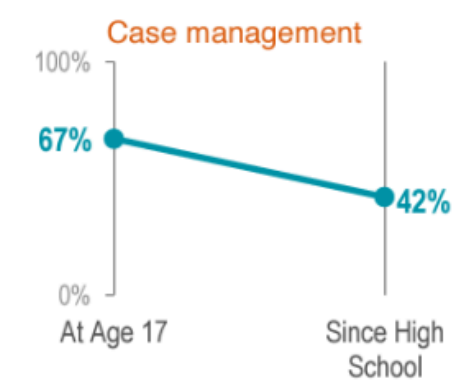
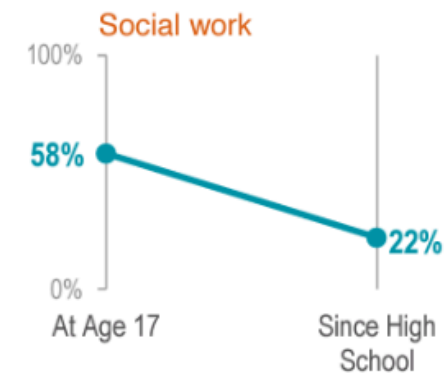
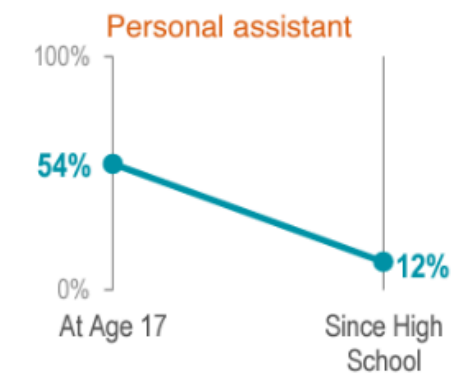
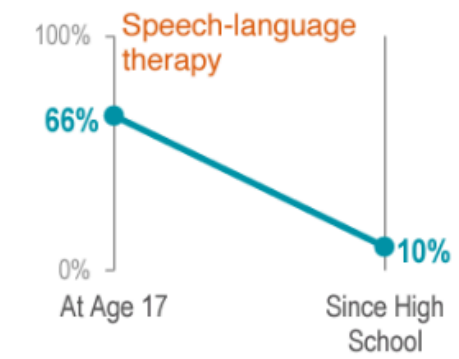
[Source](#)

DISTORTION



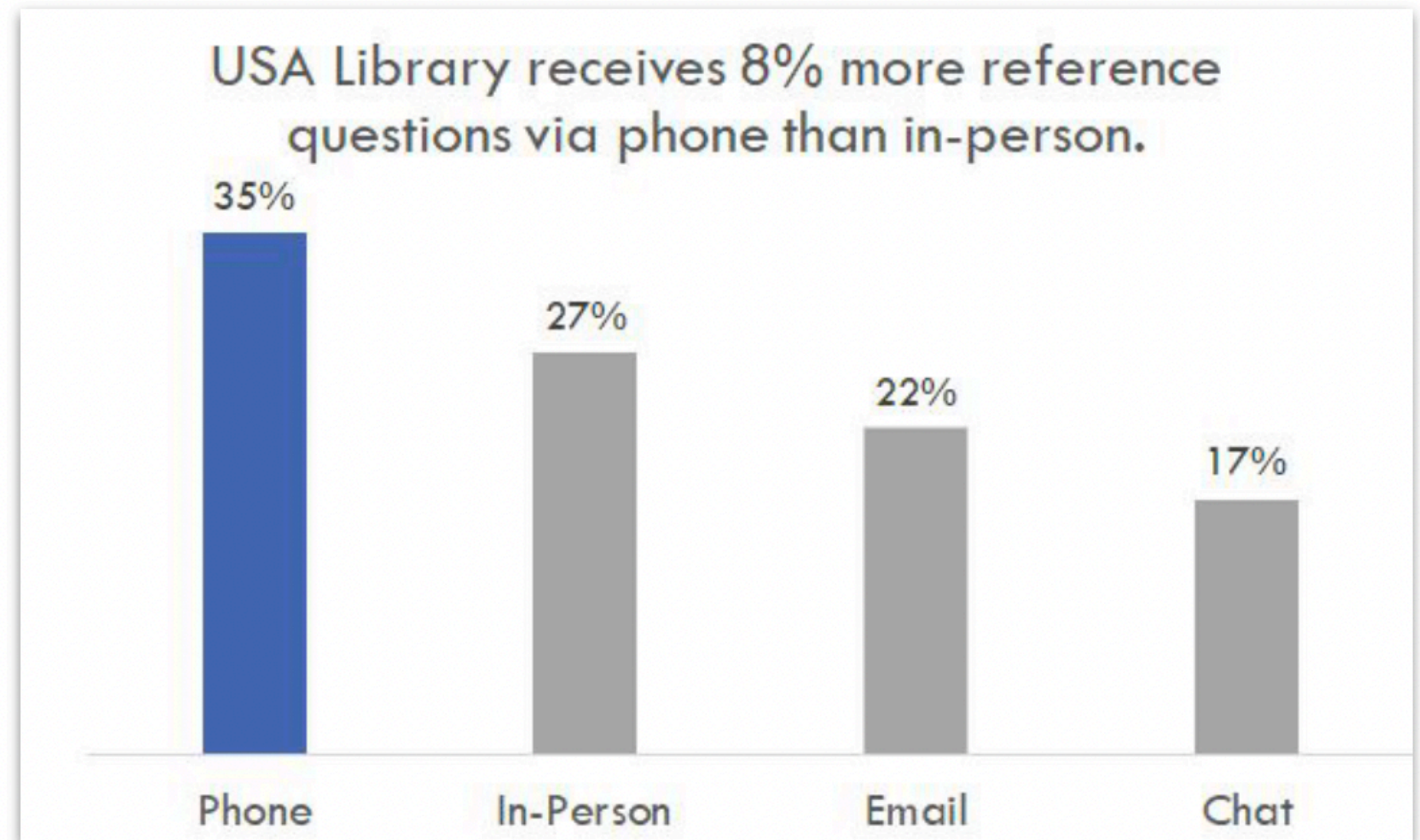
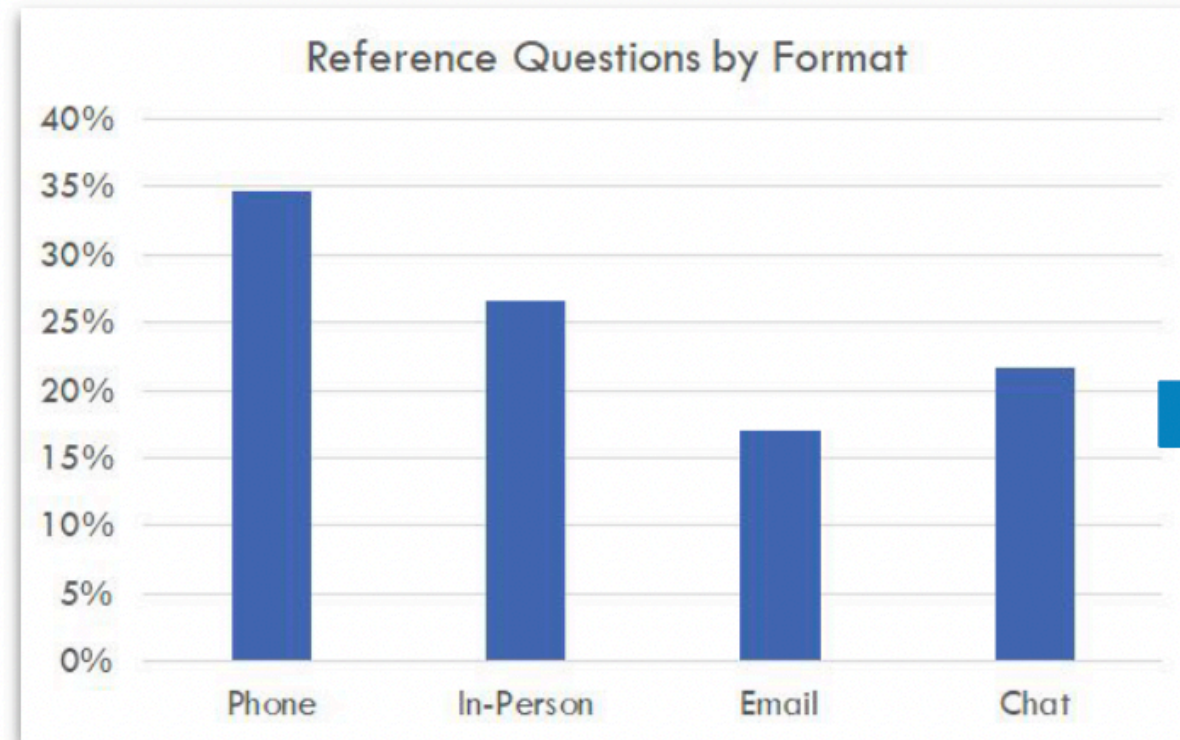
3. TELL A STORY

Services consistently decreased following high school.

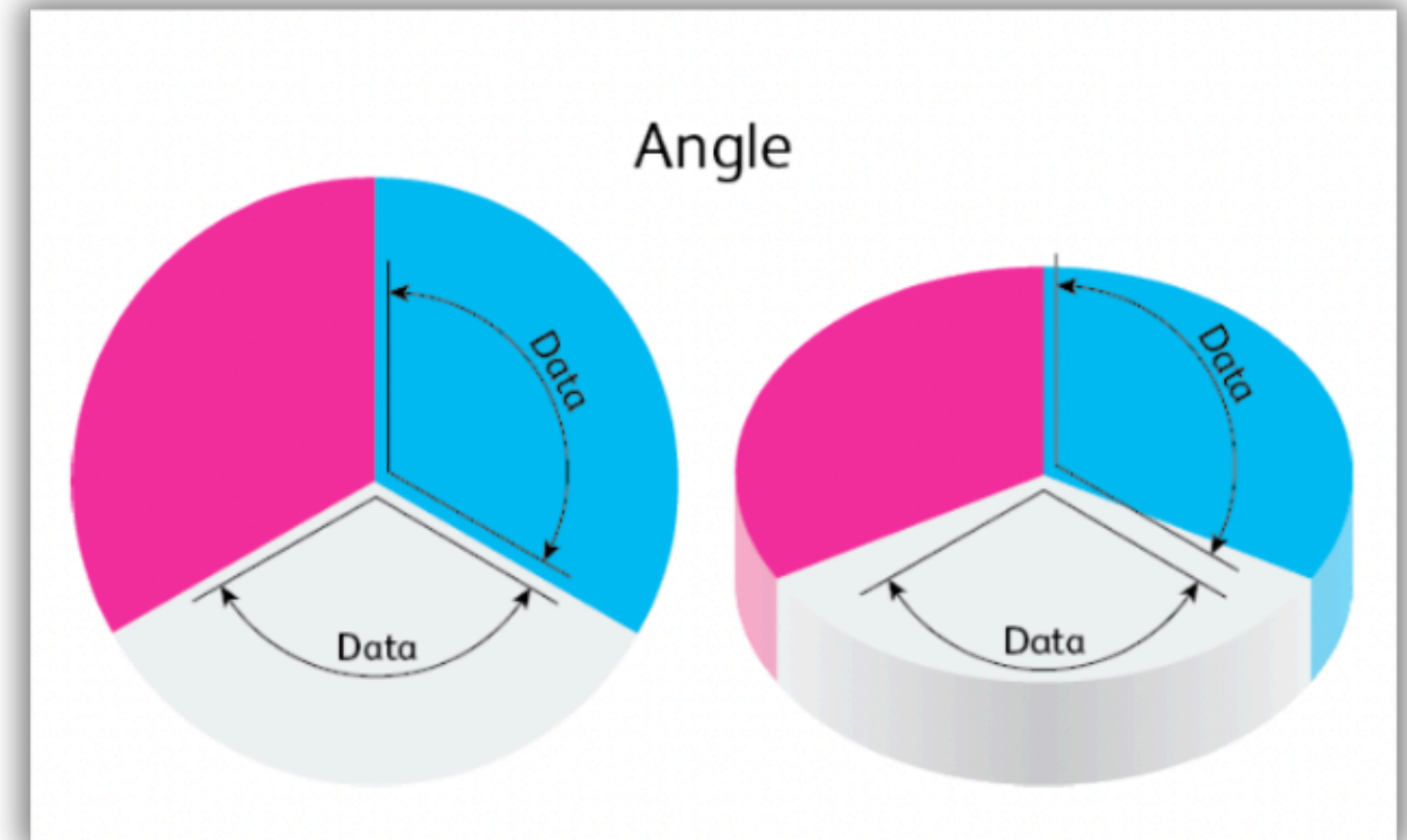
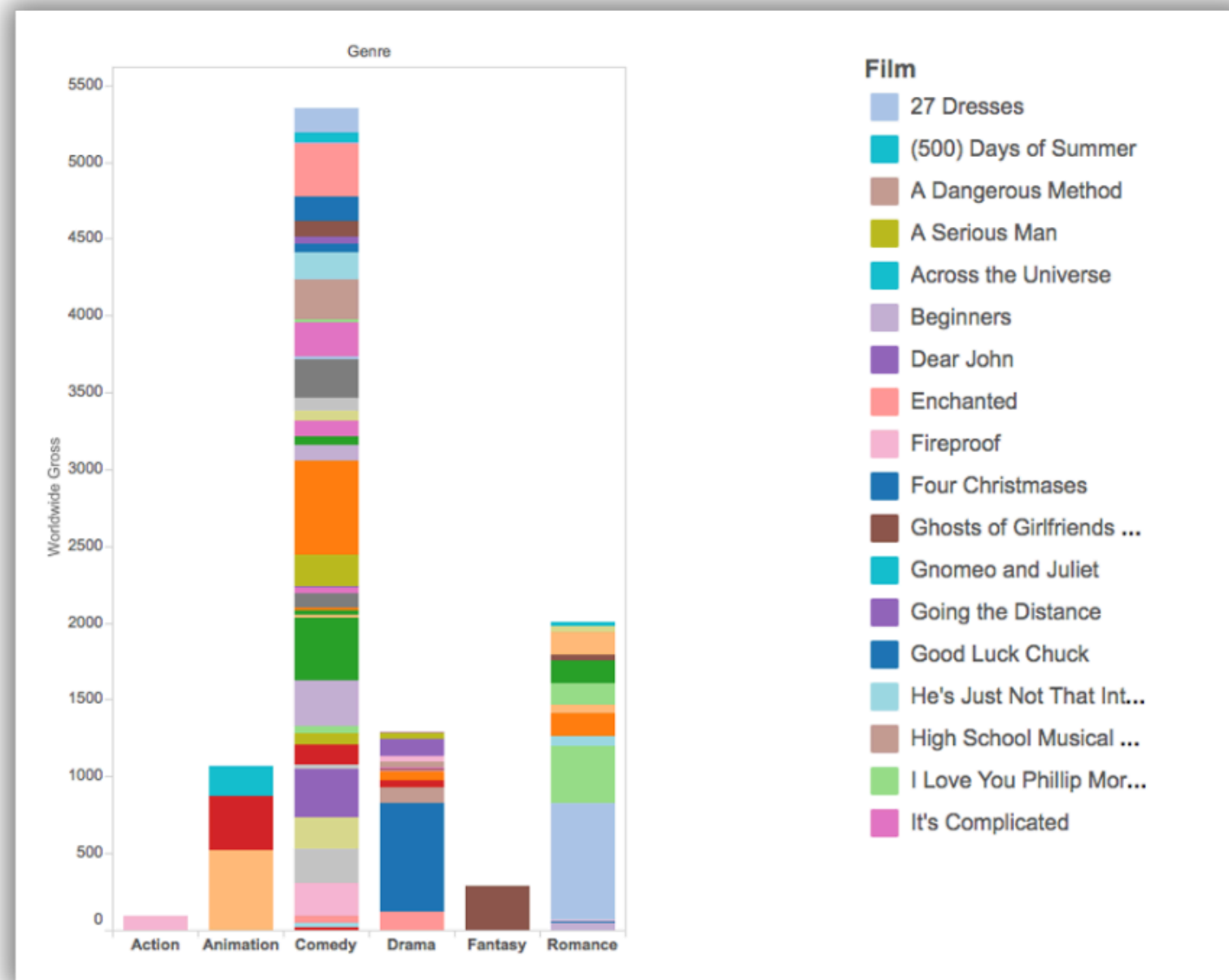


Source

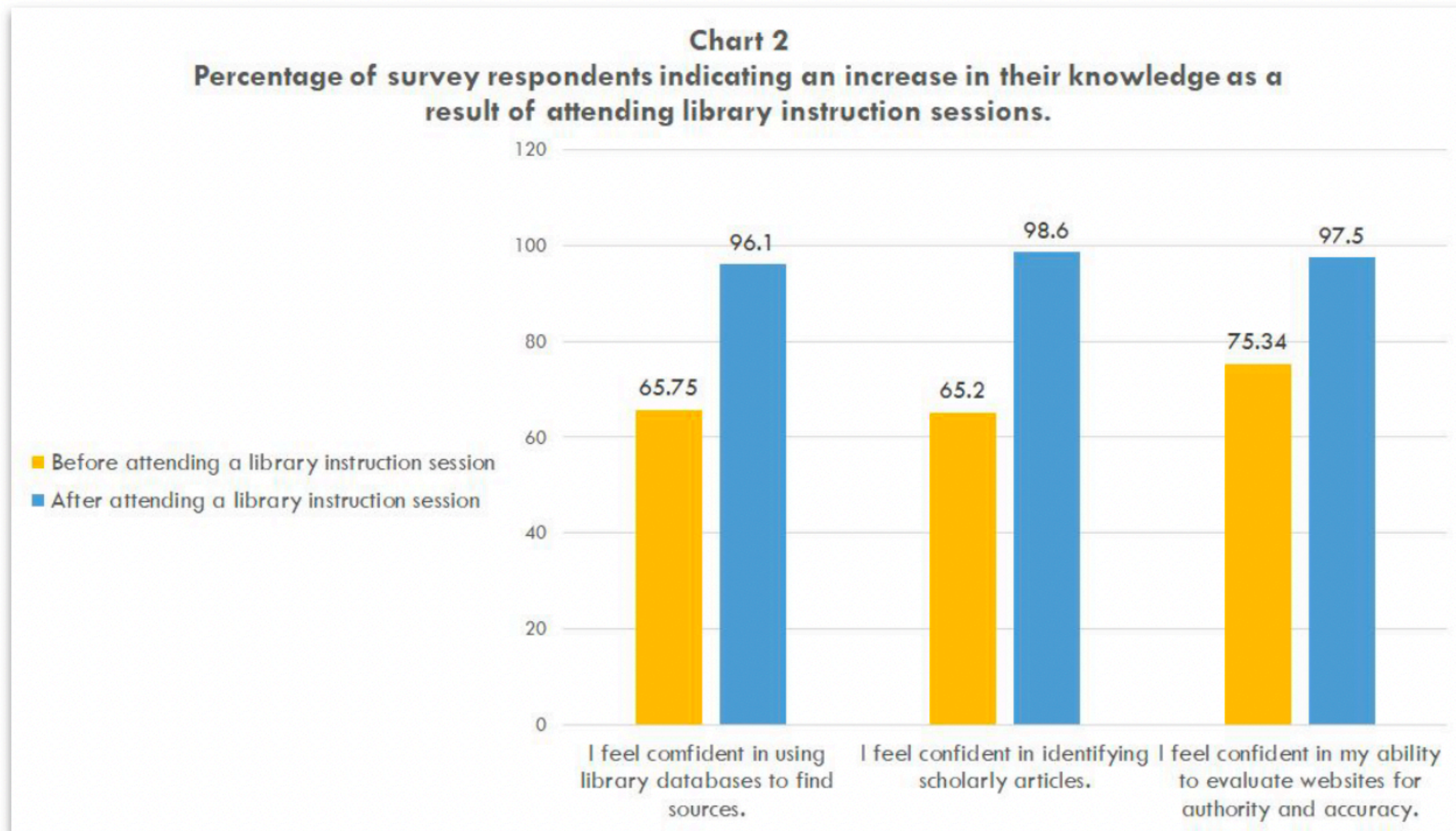
3. TELL A STORY



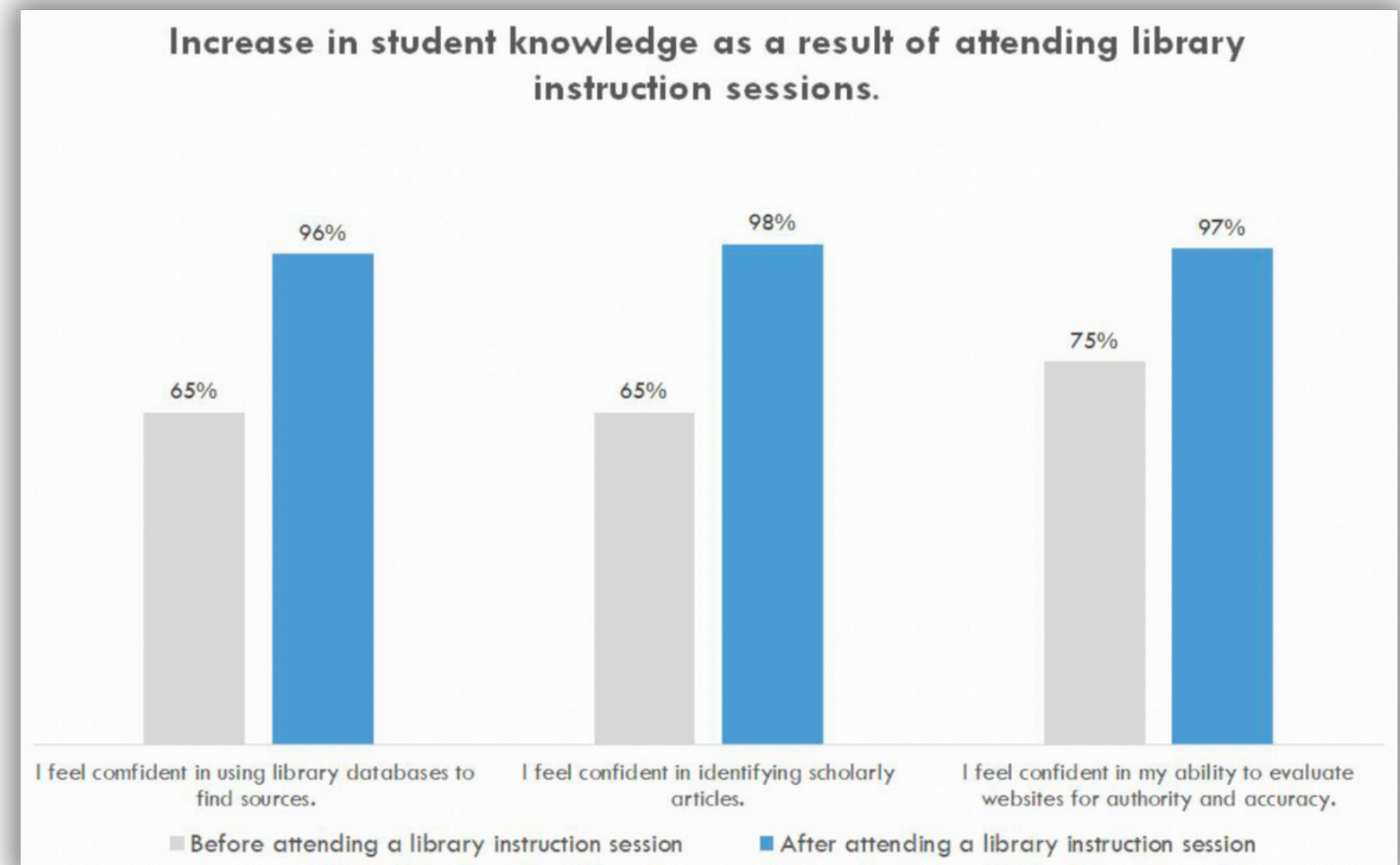
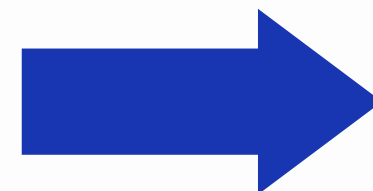
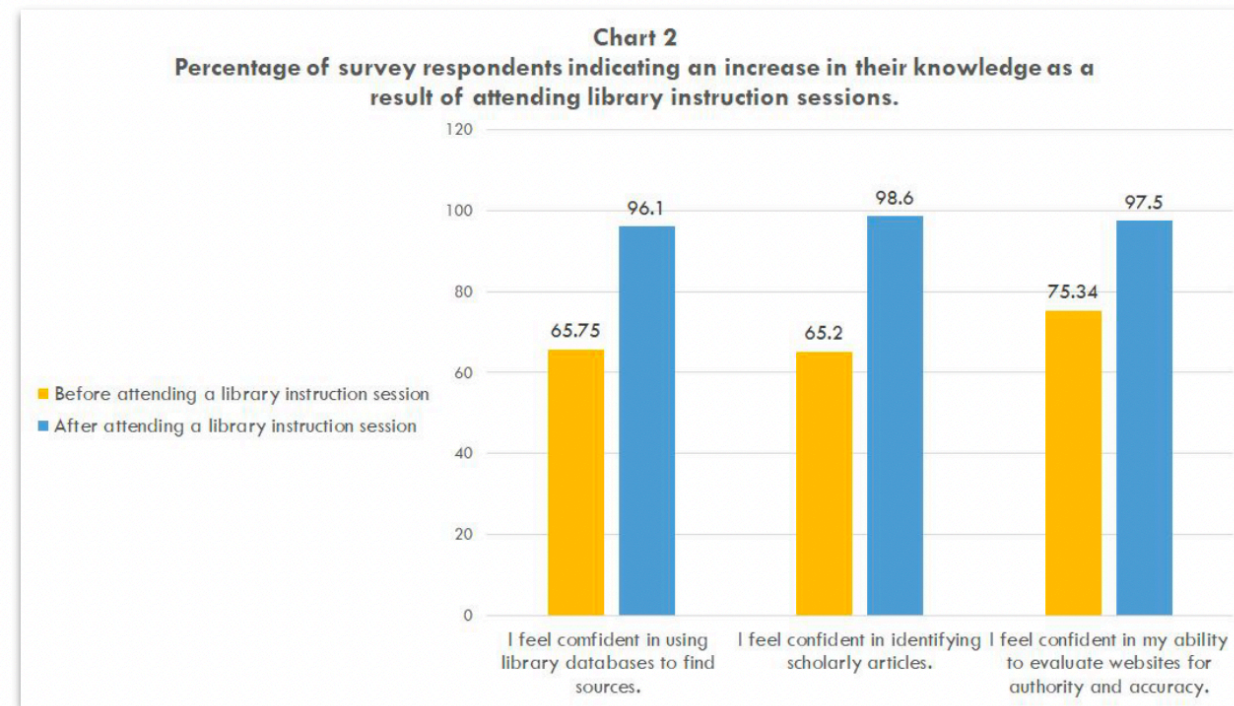
4. KEEP IT SIMPLE FOR THE VIEWER



4. KEEP IT SIMPLE FOR THE VIEWER



4. KEEP IT SIMPLE FOR THE VIEWER



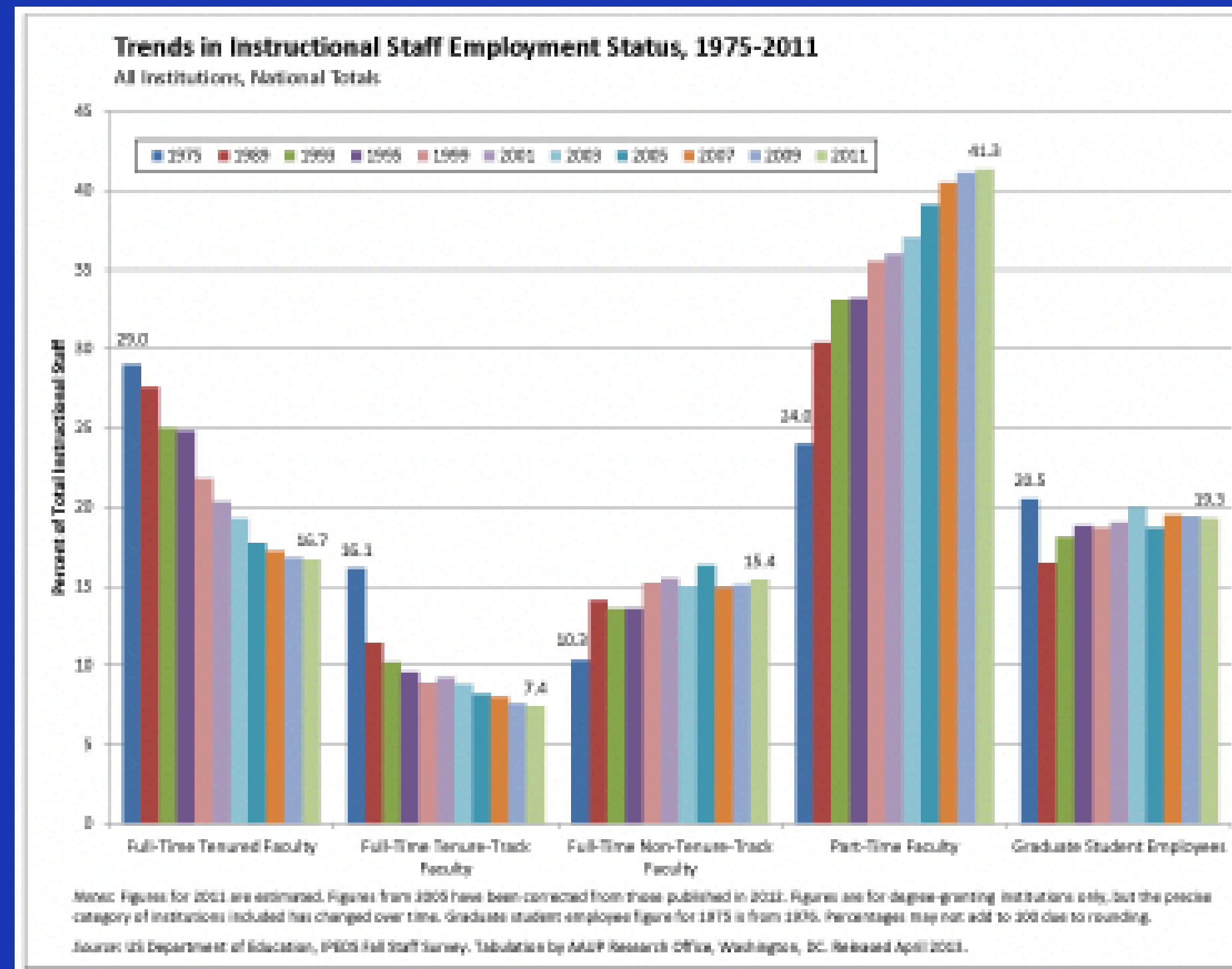
10 minutes

Practice 1

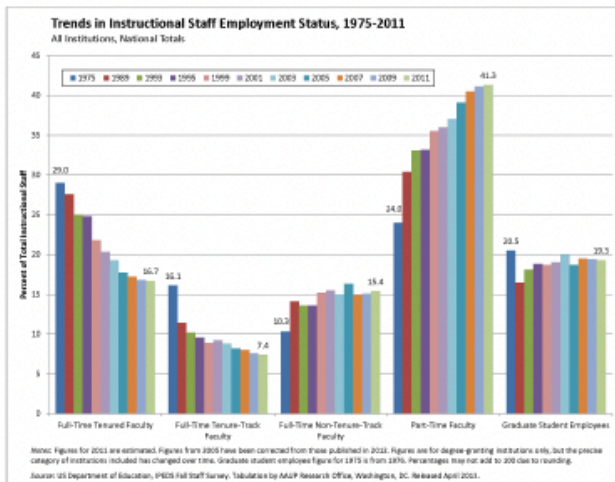
Chart Critique

- Work in teams
- Review each chart, what is it communicating?
- Discuss three changes that would improve the chart.

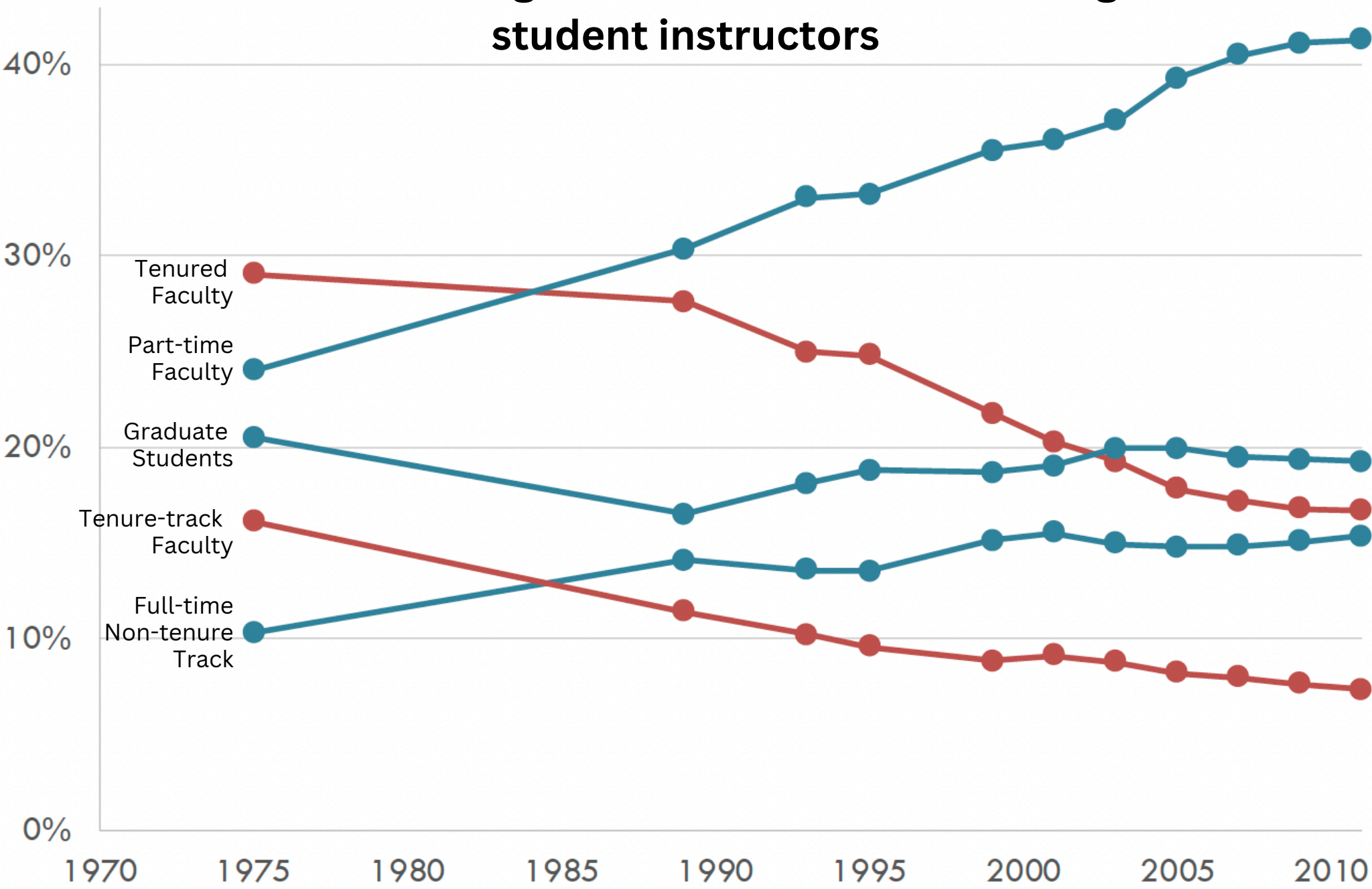
VISUALIZATION 1



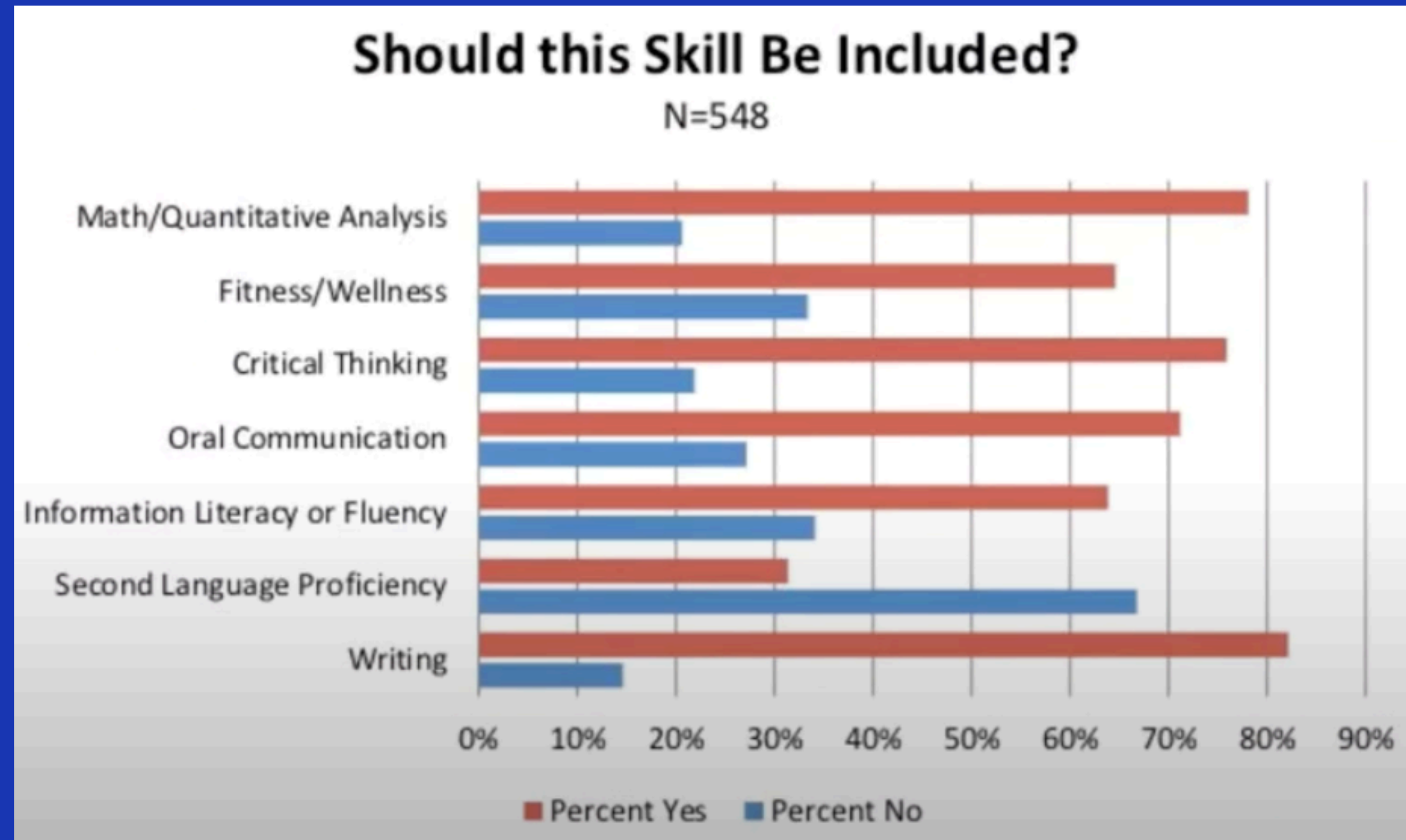
VISUALIZATION 1



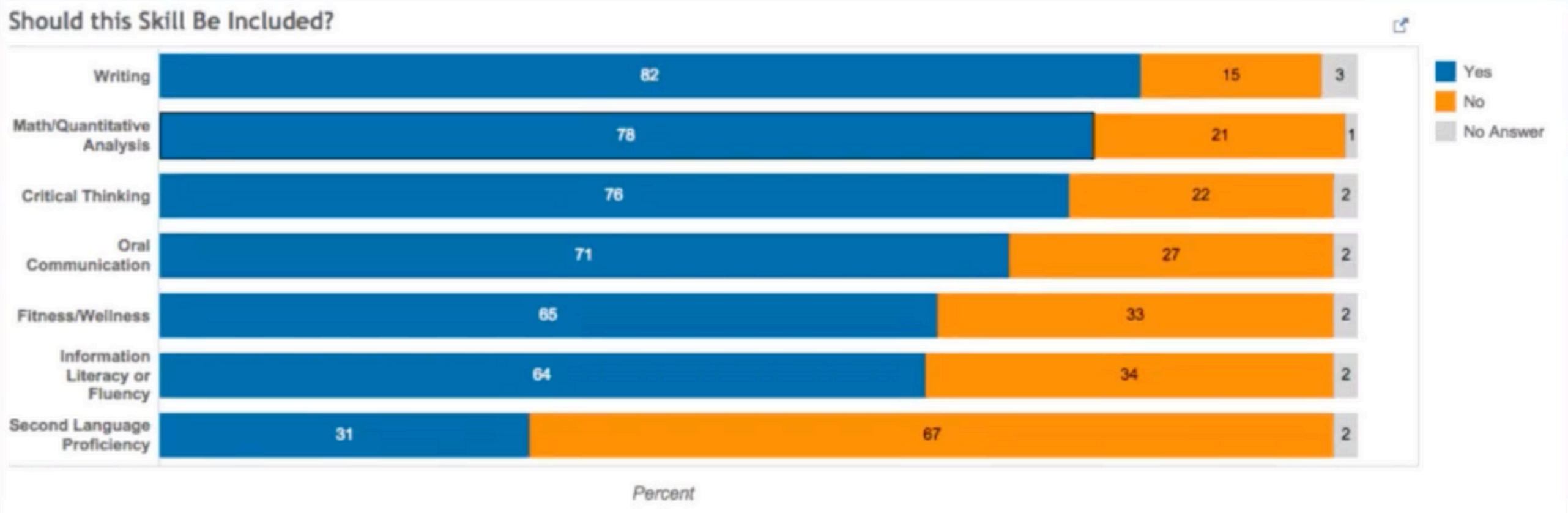
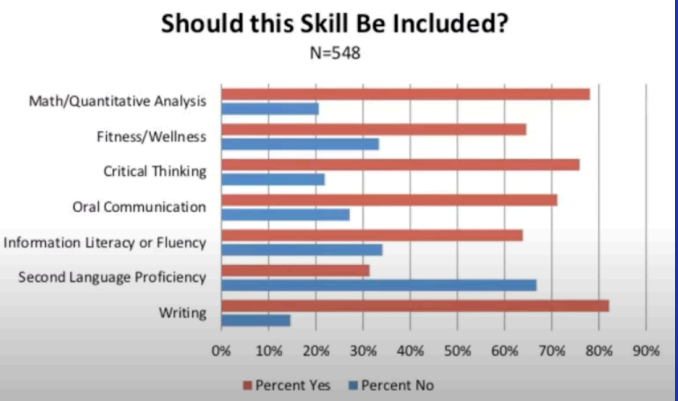
Universities are hiring more non-tenure track and graduate student instructors



VISUALIZATION 2



VISUALIZATION 2



VISUALIZATION 3

Trust rank	Index rank	Borough	Amount approved (£)	Number of grants
1	3	Tower Hamlets	£9,692,642	269
2	2	Hackney	£7,809,608	225
3	12	Southwark	£7,266,118	232
4	14	Camden	£6,140,419	136
5	4	Islington	£5,424,137	156
6	8	Lambeth	£5,257,941	156
7	2	Newham	£5,217,075	154
8	13	Hammersmith and Fulham	£4,085,708	109
9	29	Merton	£3,656,112	113
10	20	Croydon	£3,629,066	127
11	9	Lewisham	£3,537,049	144
12	17	Westminster	£3,357,911	100
13	15	Ealing	£3,057,709	84
14	30	Bromley	£3,038,621	131
15	19	Kensington and Chelsea	£2,979,468	74
16	11	Brent	£2,898,224	85
17	10	Greenwich	£2,837,658	87
18	24	Barnet	£2,796,587	99
19	21	Wandsworth	£2,592,453	89
20	5	Waltham Forest	£2,505,730	131
21	28	Sutton	£2,468,511	87
22	18	Hounslow	£2,383,393	75
23	7	Haringey	£2,360,290	101
24	22	Redbridge	£2,285,173	75
25	33	Reichmond upon Thames	£2,249,983	133

VISUALIZATION 3

Trust rank	Index rank	Borough	Amount approved (£)	Number of grants
1	3	Tower Hamlets	£9,692,642	269
2	2	Hackney	£7,809,608	225
3	12	Southwark	£7,266,118	232
4	14	Camden	£6,140,419	136
5	4	Islington	£5,424,137	156
6	8	Lambeth	£5,257,941	156
7	2	Newham	£5,217,075	154
8	13	Hammersmith and Fulham	£4,085,708	109
9	29	Merton	£3,656,112	113
10	20	Croydon	£3,629,066	127
11	9	Lewisham	£3,537,049	144
12	17	Westminster	£3,357,911	100
13	15	Ealing	£3,057,709	84
14	30	Bromley	£3,038,621	131
15	19	Kensington and Chelsea	£2,979,468	74
16	11	Brent	£2,898,224	85
17	10	Greenwich	£2,837,658	87
18	24	Barnet	£2,796,587	99
19	21	Wandsworth	£2,592,453	89
20	5	Waltham Forest	£2,505,730	131
21	28	Sutton	£2,468,511	87
22	18	Hounslow	£2,383,393	75
23	7	Haringey	£2,360,290	101
24	22	Redbridge	£2,285,173	75
25	33	Reichmond upon Thames	£2,249,983	133

Borough	Trust rank	Index rank	Number of grants	Amount approved (£)
Tower Hamlets	1	3	269	£9,692,642
Hackney	2	2	225	£7,809,608
Southwark	3	12	232	£7,266,118
Camden	4	14	136	£6,140,419
Islington	5	4	156	£5,424,137
Lambeth	6	8	156	£5,257,941
Newham	7	2	154	£5,217,075
Hammersmith and Fulham	8	13	109	£4,085,708
Merton	9	29	113	£3,656,112
Croydon	10	20	127	£3,629,066
Lewisham	11	9	144	£3,537,049
Westminster	12	17	100	£3,357,911
Ealing	13	15	84	£3,057,709
Bromley	14	30	131	£3,038,621
Kensington and Chelsea	15	19	74	£2,979,468
Brent	16	11	85	£2,898,224
Greenwich	17	10	87	£2,837,658
Barnet	18	24	99	£2,796,587
Wandsworth	19	21	89	£2,592,453
Waltham Forest	20	5	131	£2,505,730
Sutton	21	28	87	£2,468,511
Hounslow	22	18	75	£2,383,393
Haringey	23	7	101	£2,360,290
Redbridge	24	22	75	£2,285,173
Reichmond upon Thames	25	33	133	£2,249,983
Hullingdon	26	23	103	£2,181,566
Enfield	27	16	86	£2,145,800
Barking and Dagenham	28	6	68	£1,943,59
Havering	29	25	95	£1,934,42
Bexley	30	26	103	£1,631,4
Harrow	31	27	62	£1,516,
Kingston upon Thames	32	31	55	£1,353
City of London	33	32	11	£4

PART 2: **ENHANCING UNDERSTANDING WITH DESIGN PRINCIPLES**



3 KEY PRINCIPLES



Color



Font



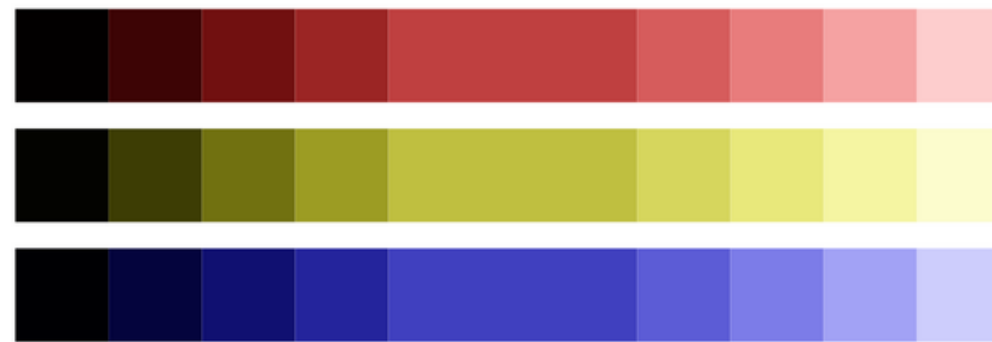
Space

COLOR THEORY

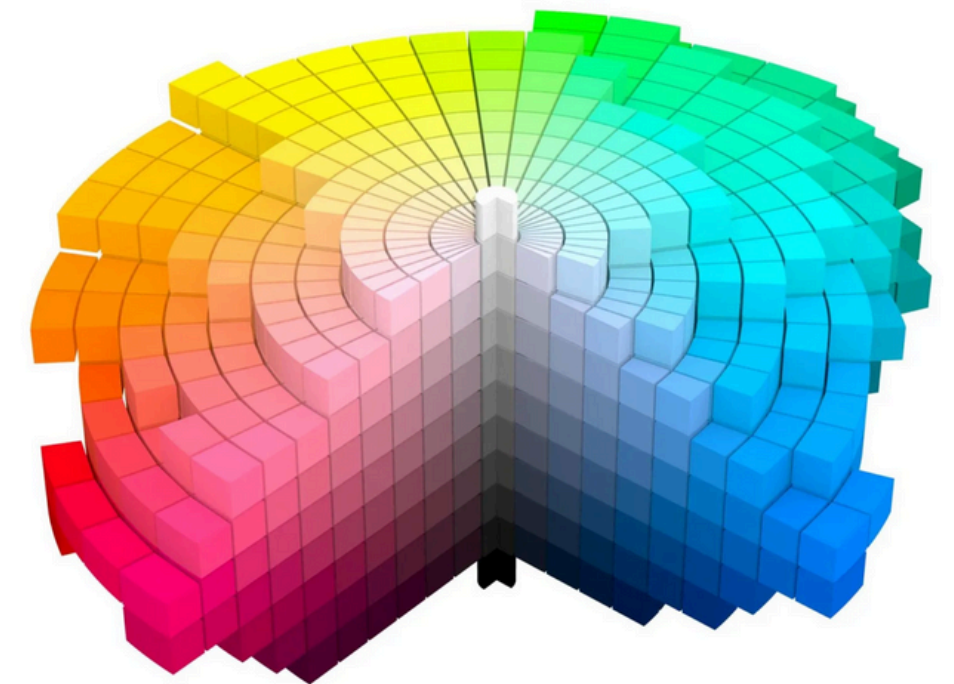
Hue



Value



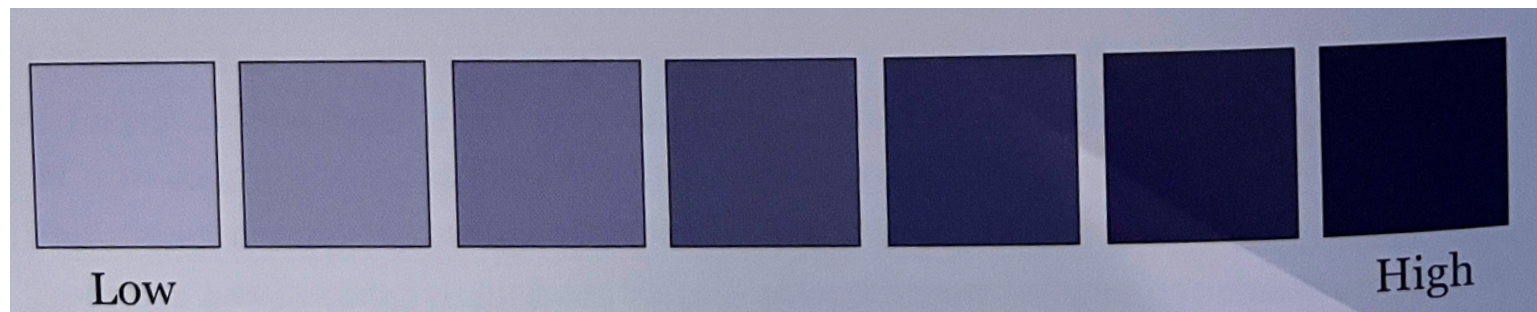
Chroma



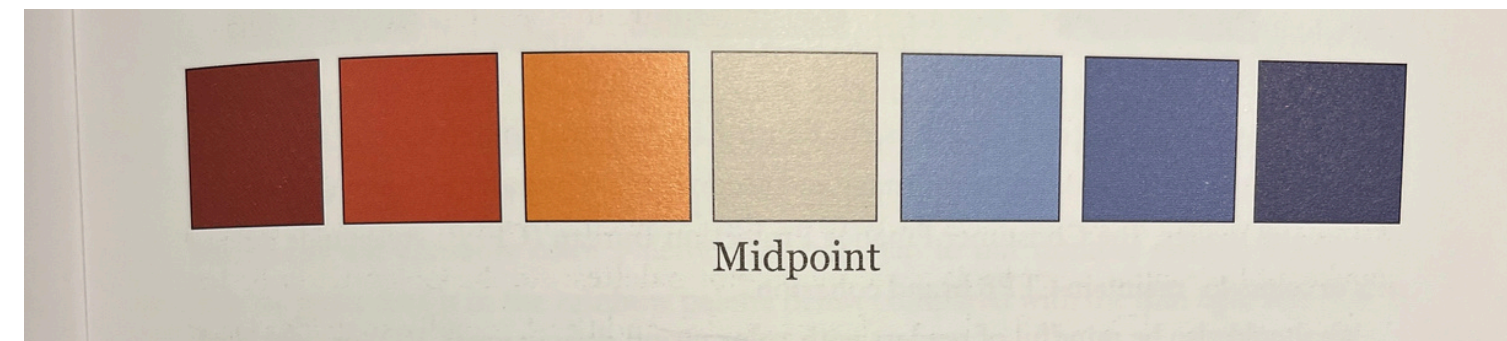
[Source](#)

WAYS TO UTILIZE COLOR

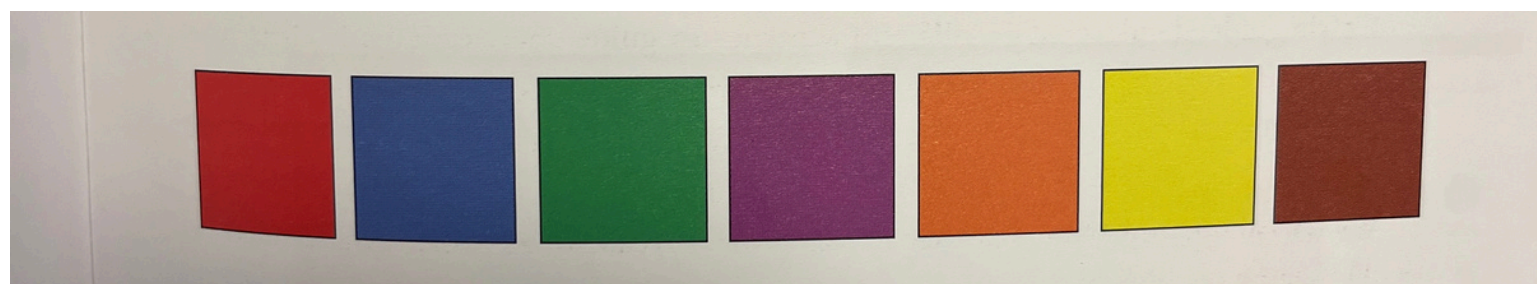
Sequential



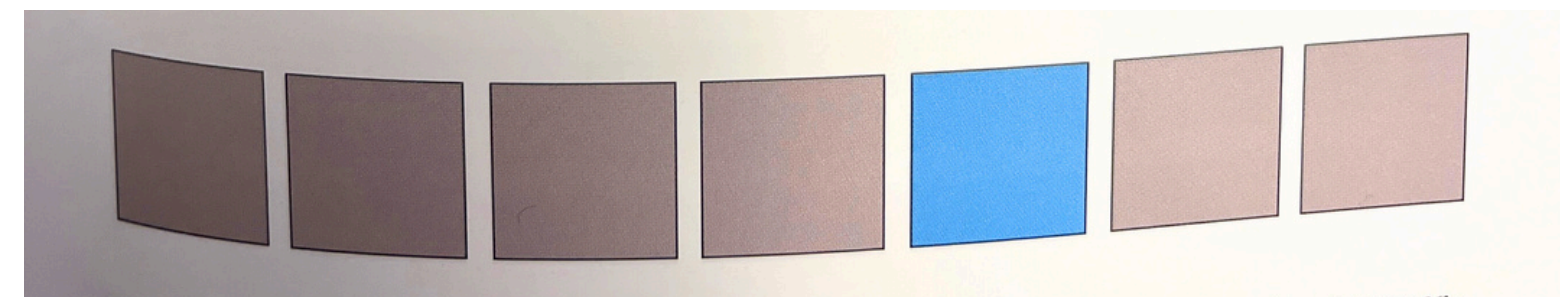
Divergence



Categorical

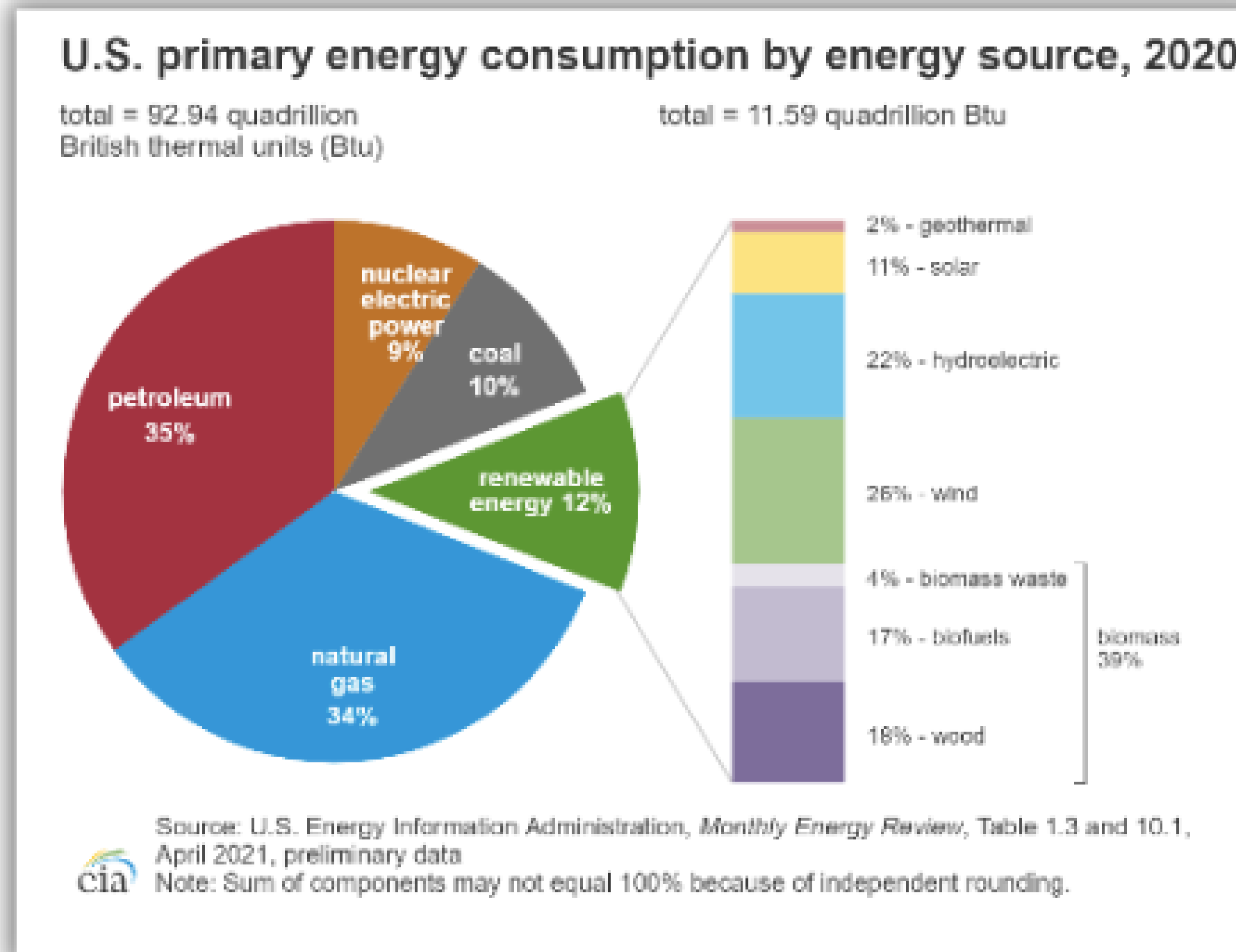


Highlighting



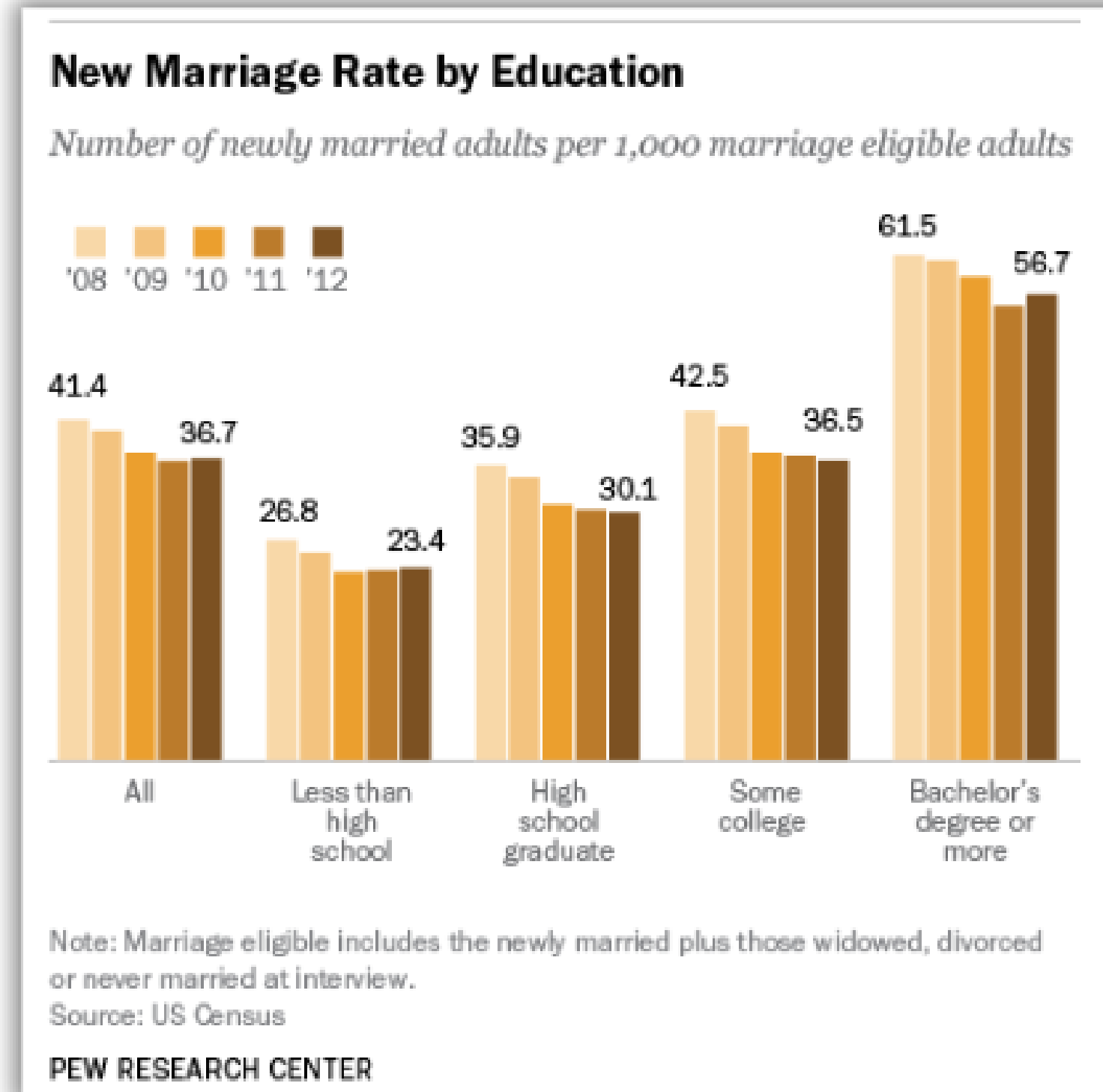
WAYS TO UTILIZE COLOR

Use hue to differentiate categories



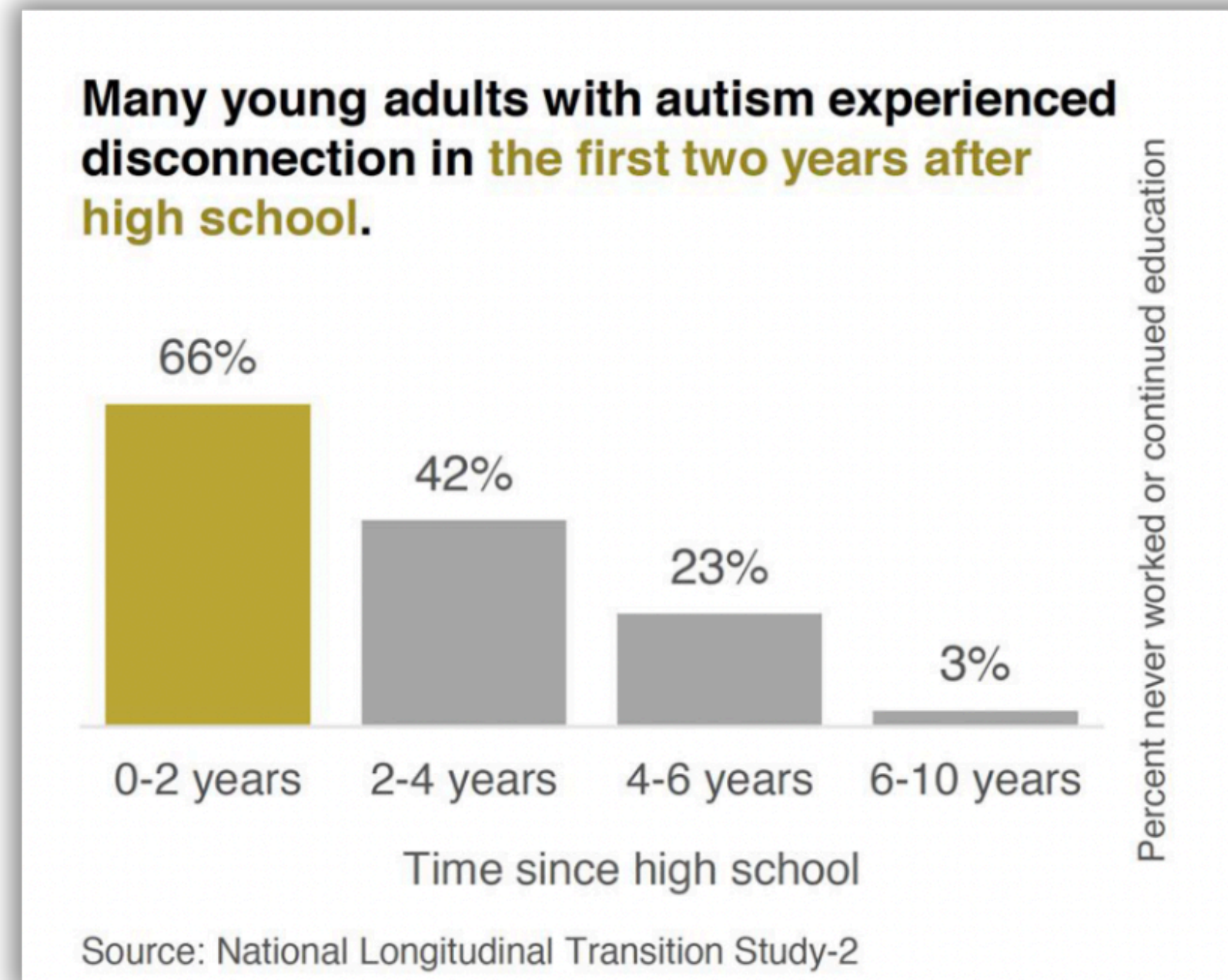
WAYS TO UTILIZE COLOR

Vary chroma or value
for change in time or
ordered relationship



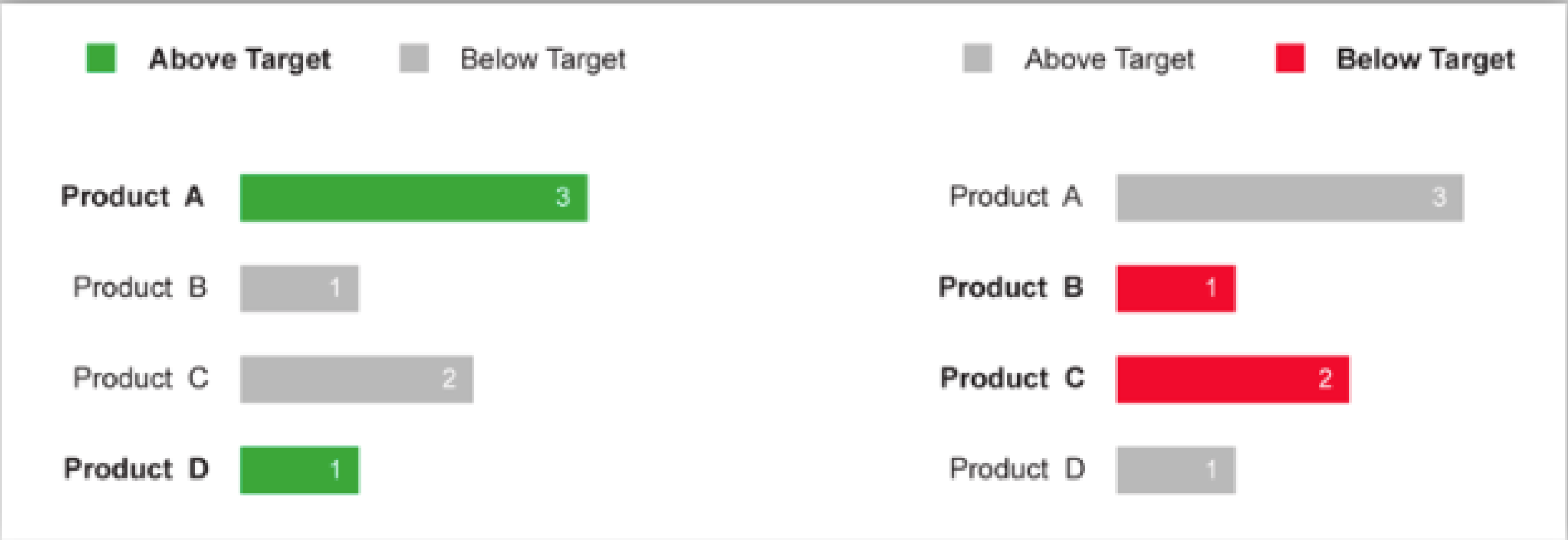
WAYS TO UTILIZE COLOR

Highlight important data

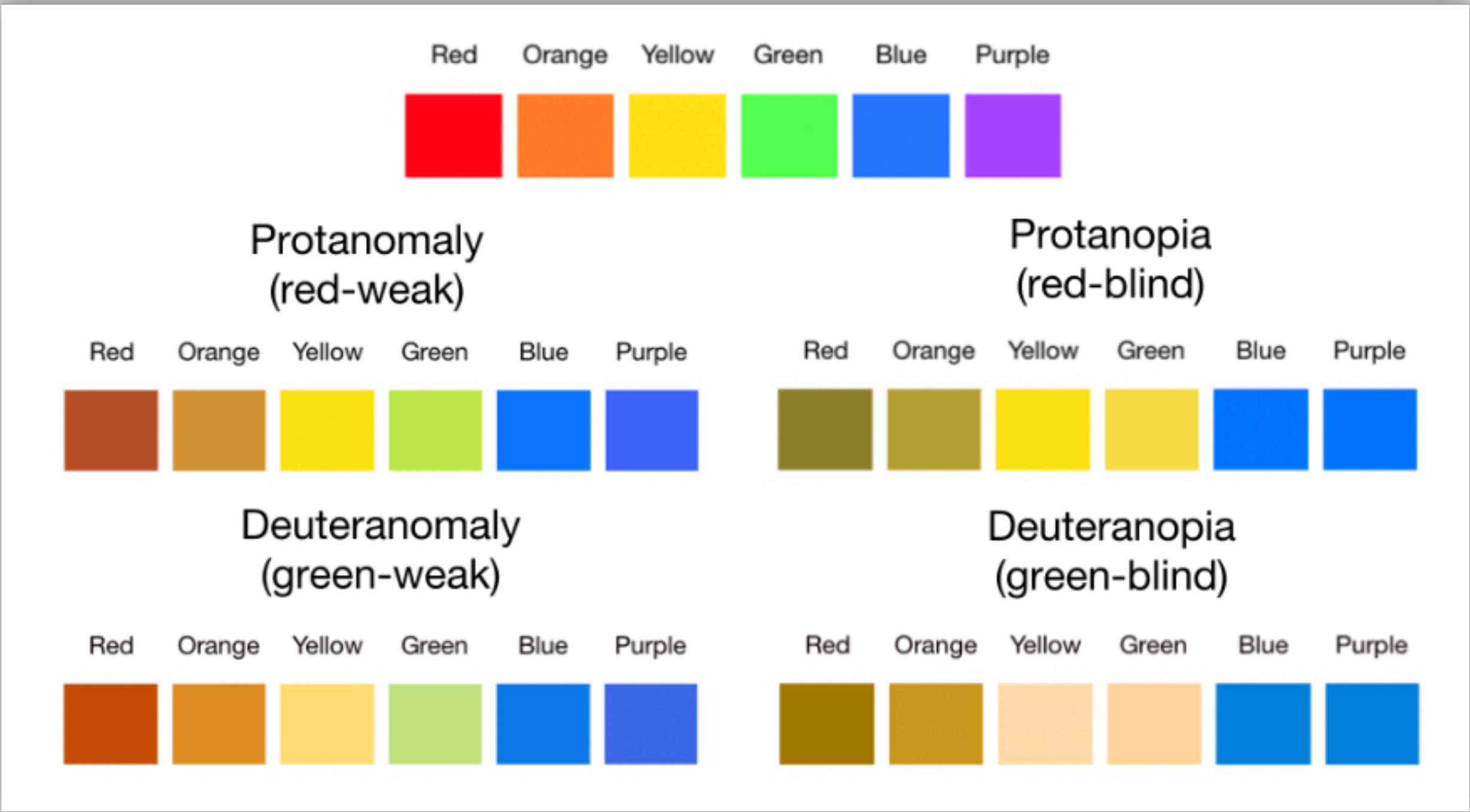


Source

COLOR & ACCESSIBILITY

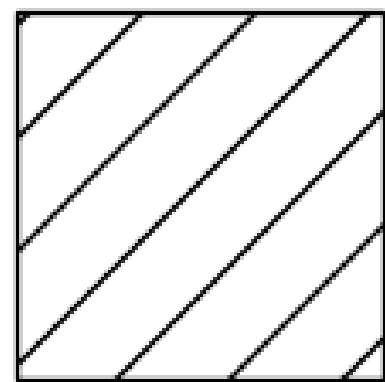


COLOR & ACCESSIBILITY

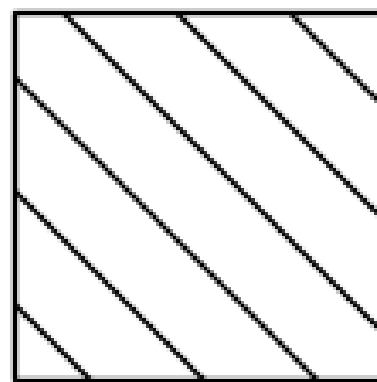


COLOR & ACCESSIBILITY

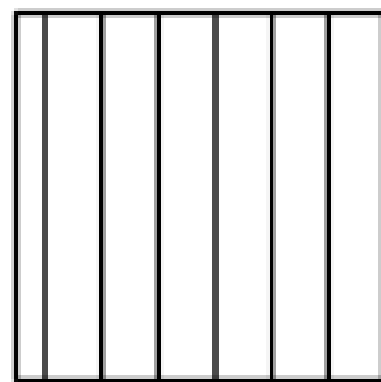
Utilize more than color to denote difference



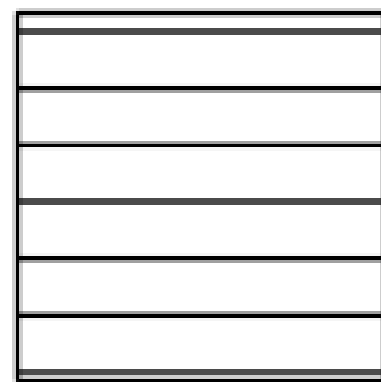
' / '



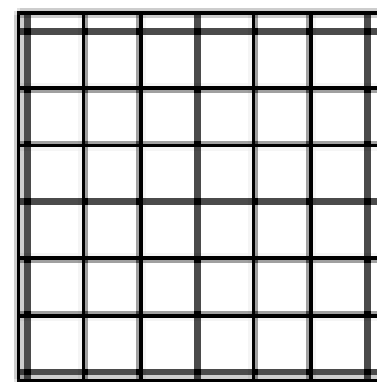
' \ '



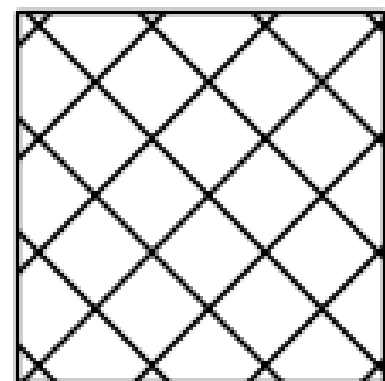
' | '



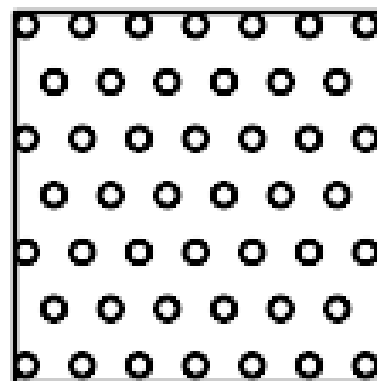
' - '



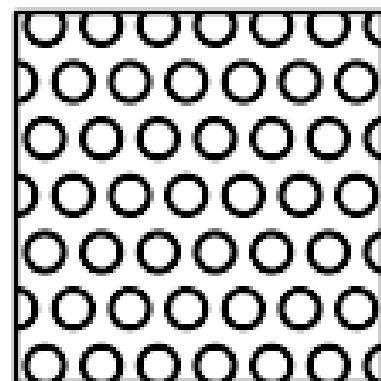
' + '



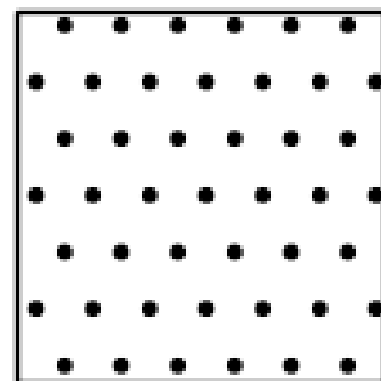
' x '



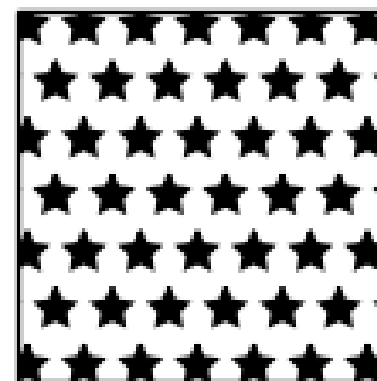
' o '



' O '



' . '



' * '

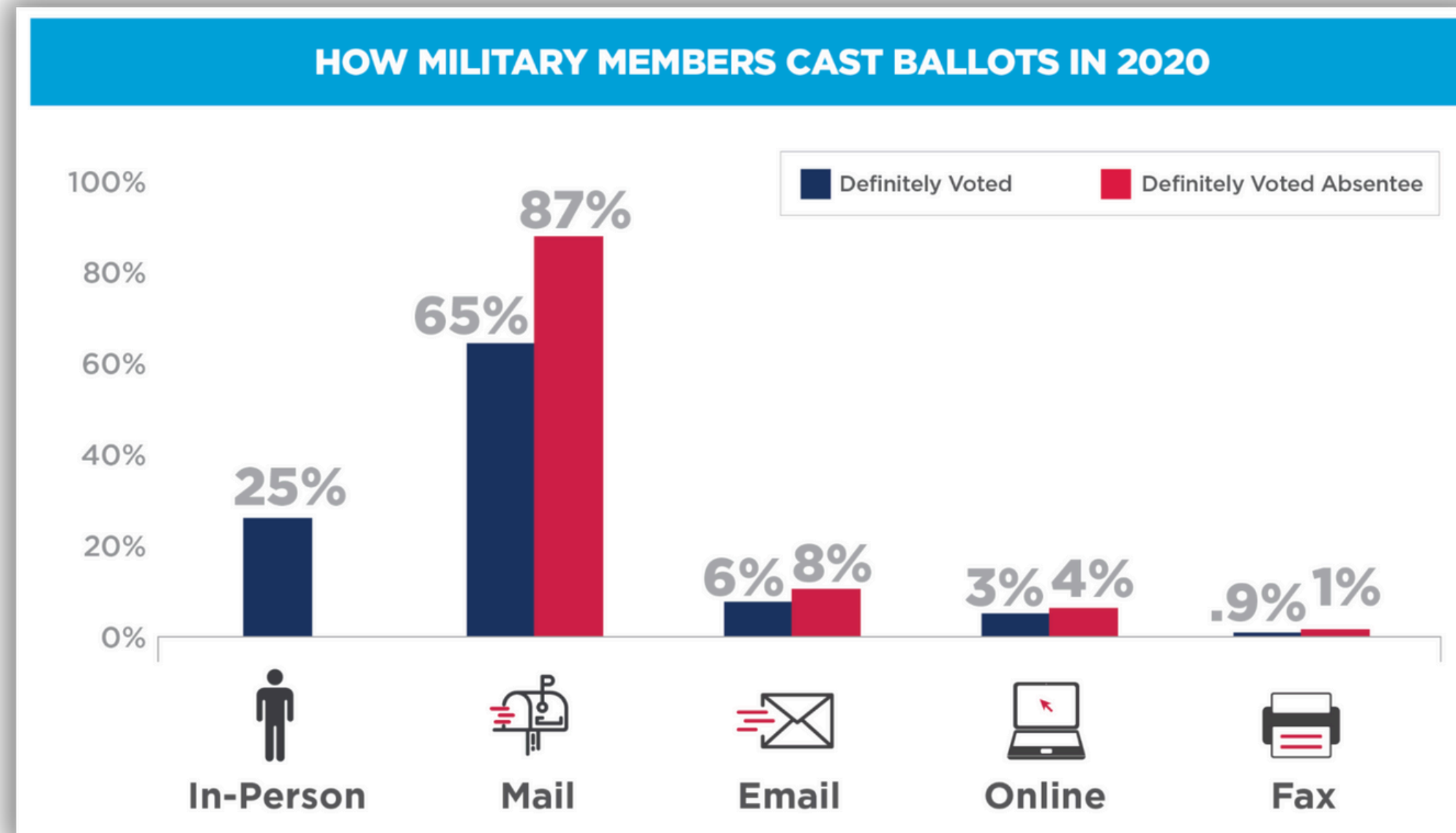
Accessibility tools:

[Inclusive Design Guide](#)

[W3C Accessibility
Guidelines](#)

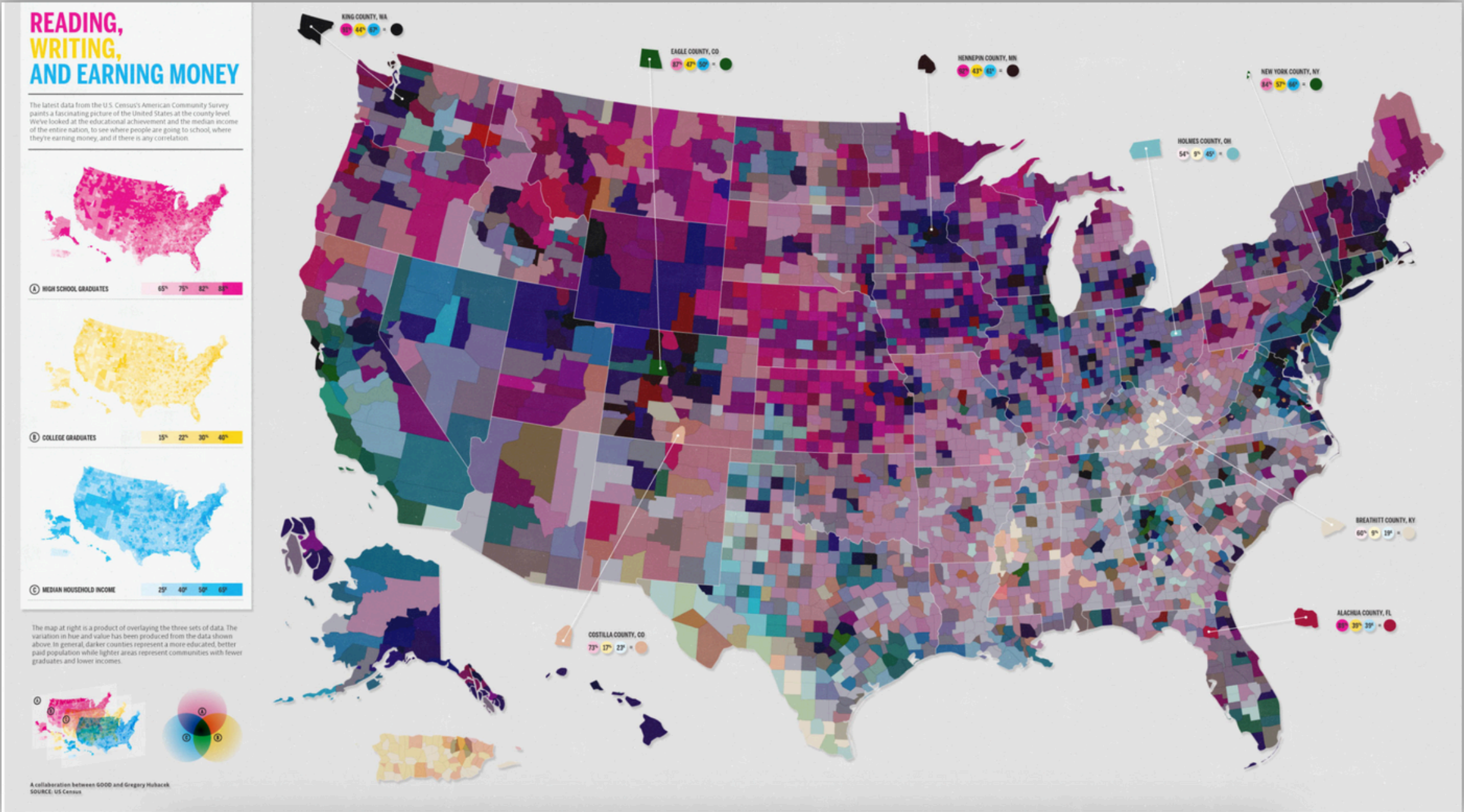
Check built-in tools

COLOR EXAMPLE 1:

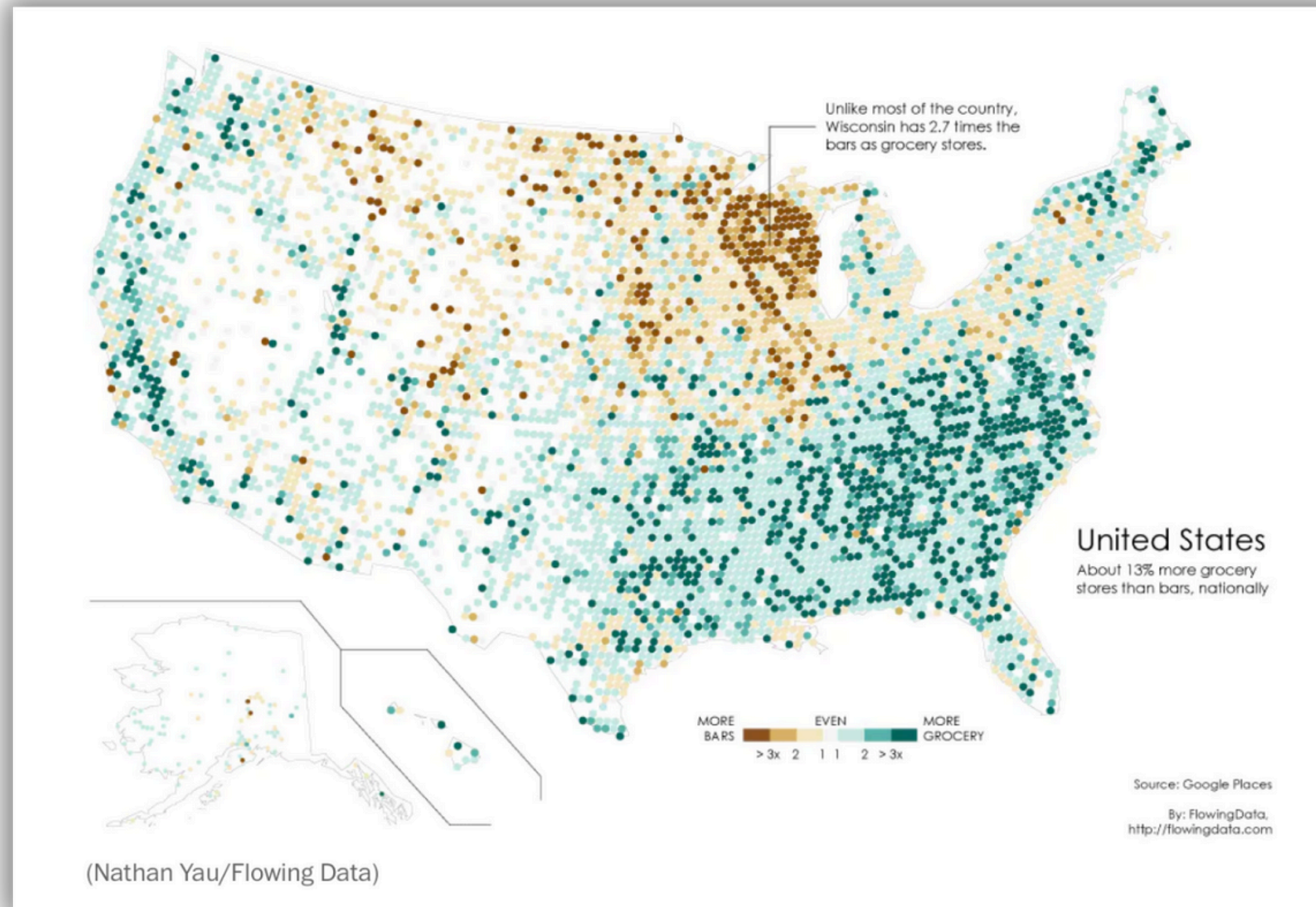


[Source](#)

COLOR EXAMPLE 2:

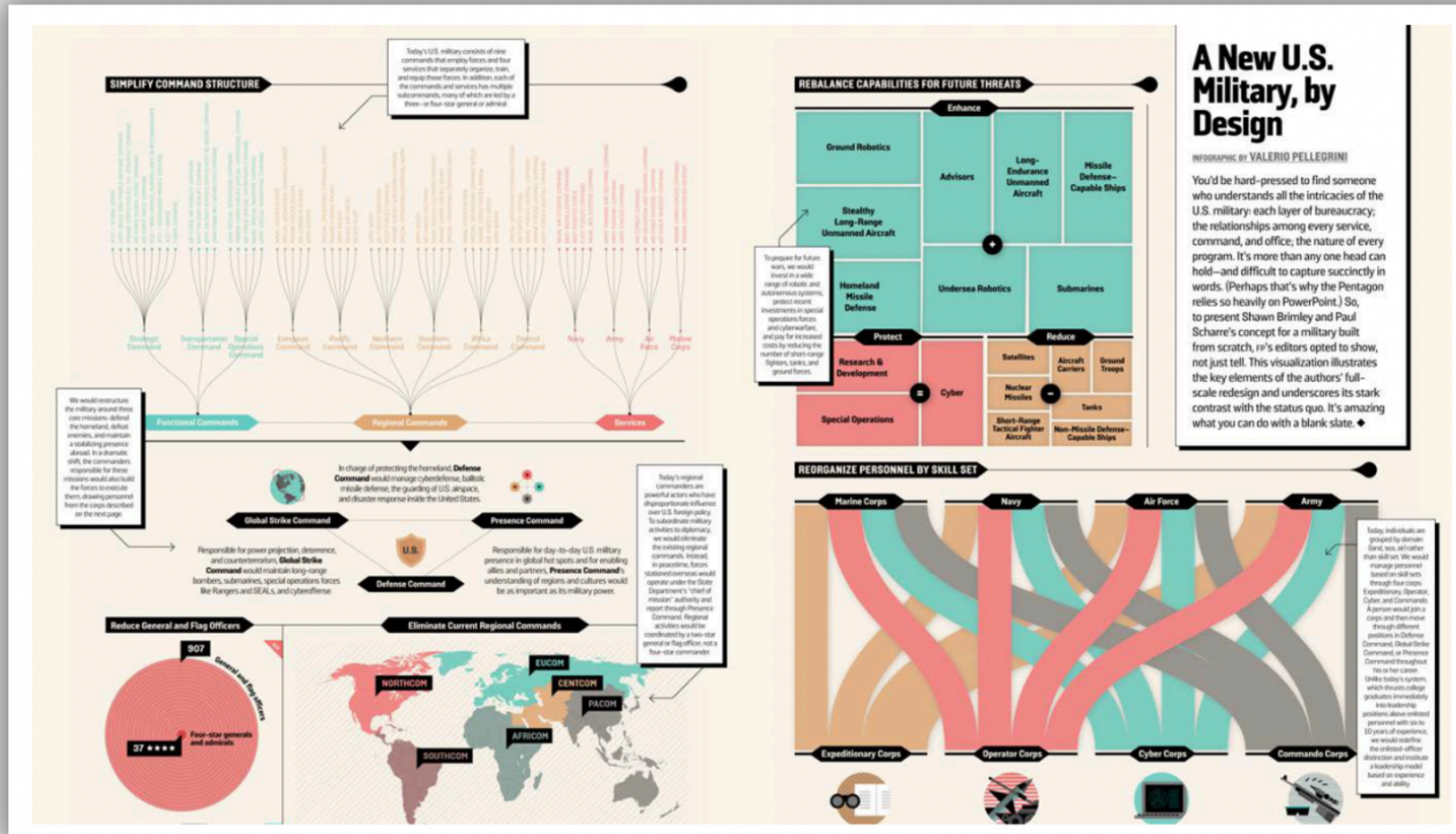


COLOR EXAMPLE 3:



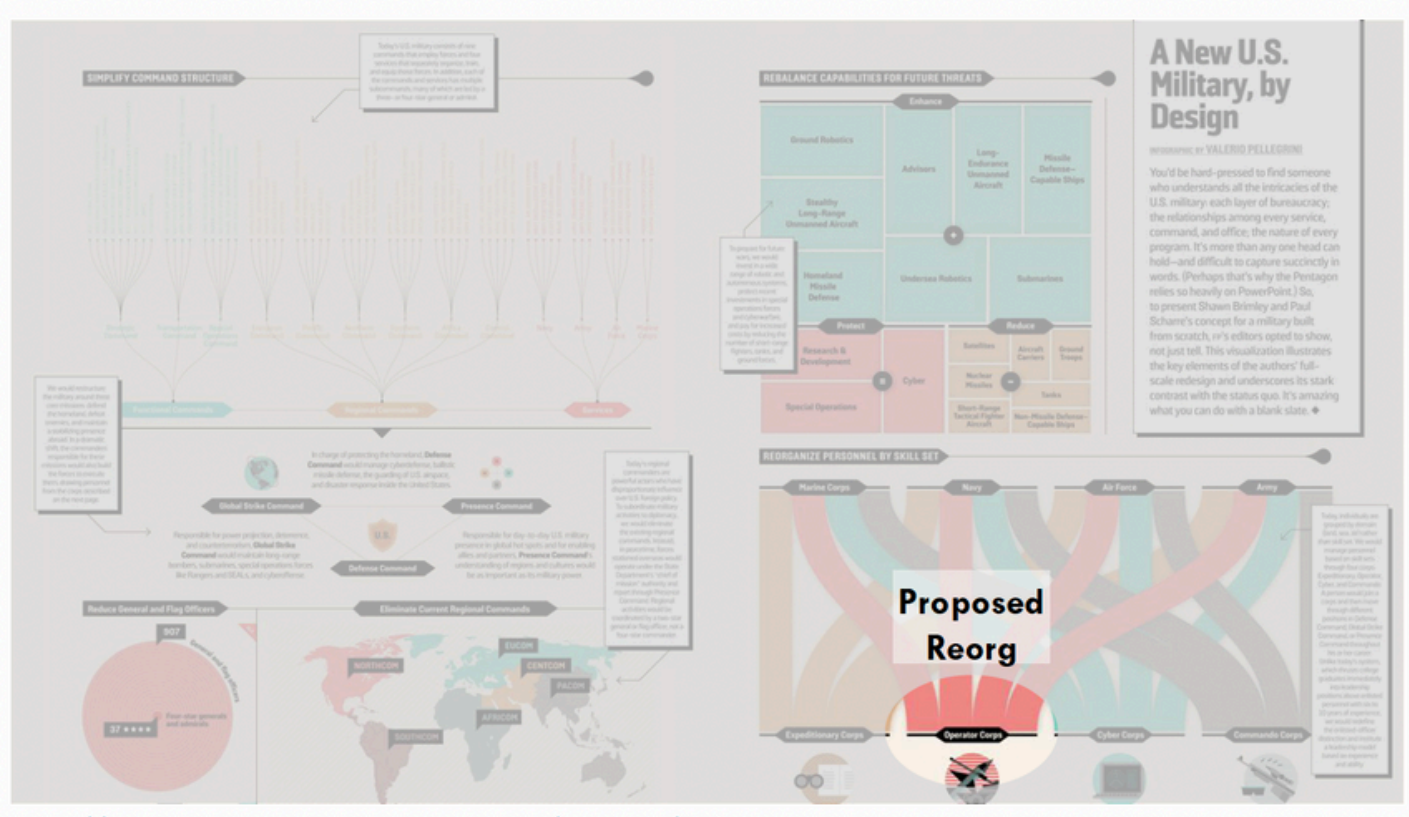
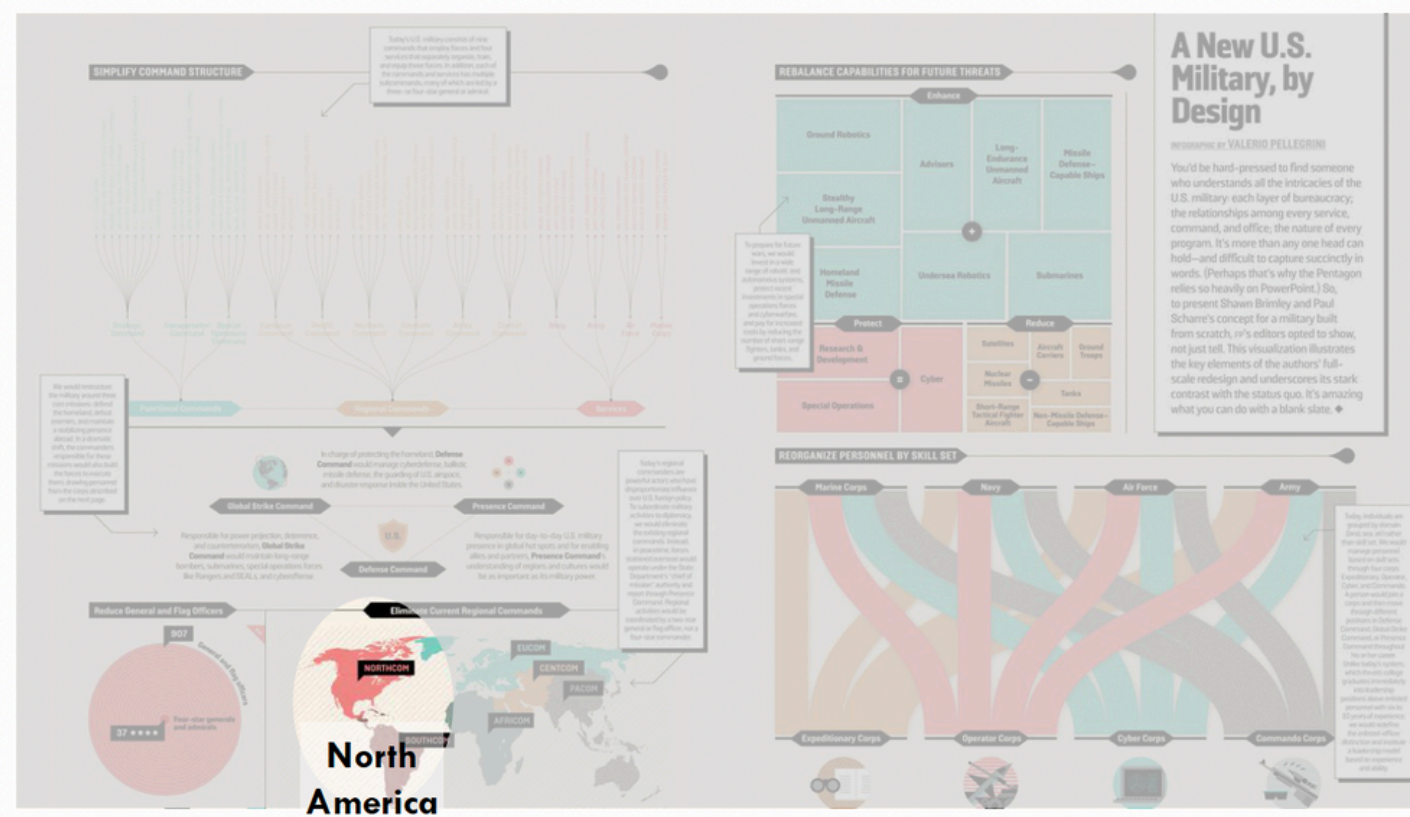
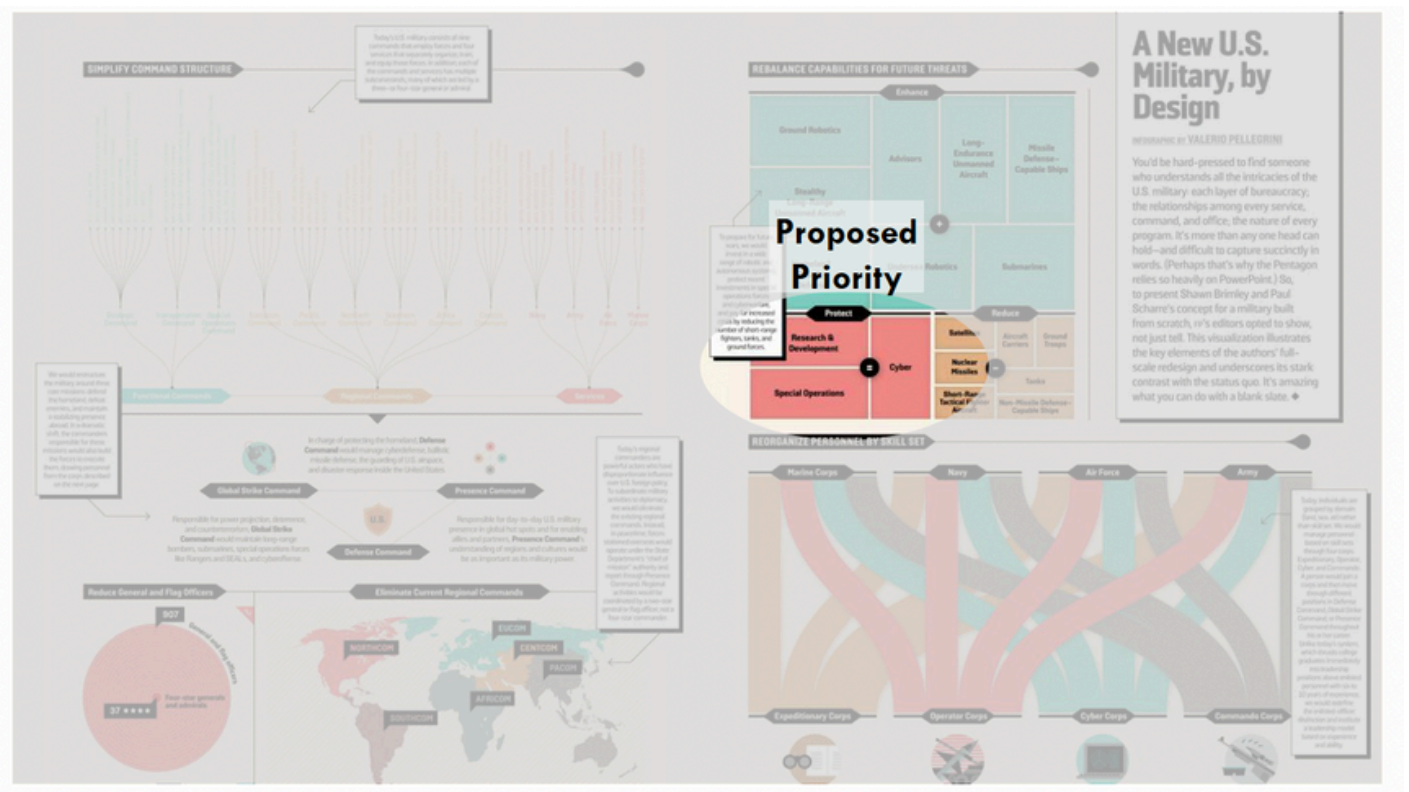
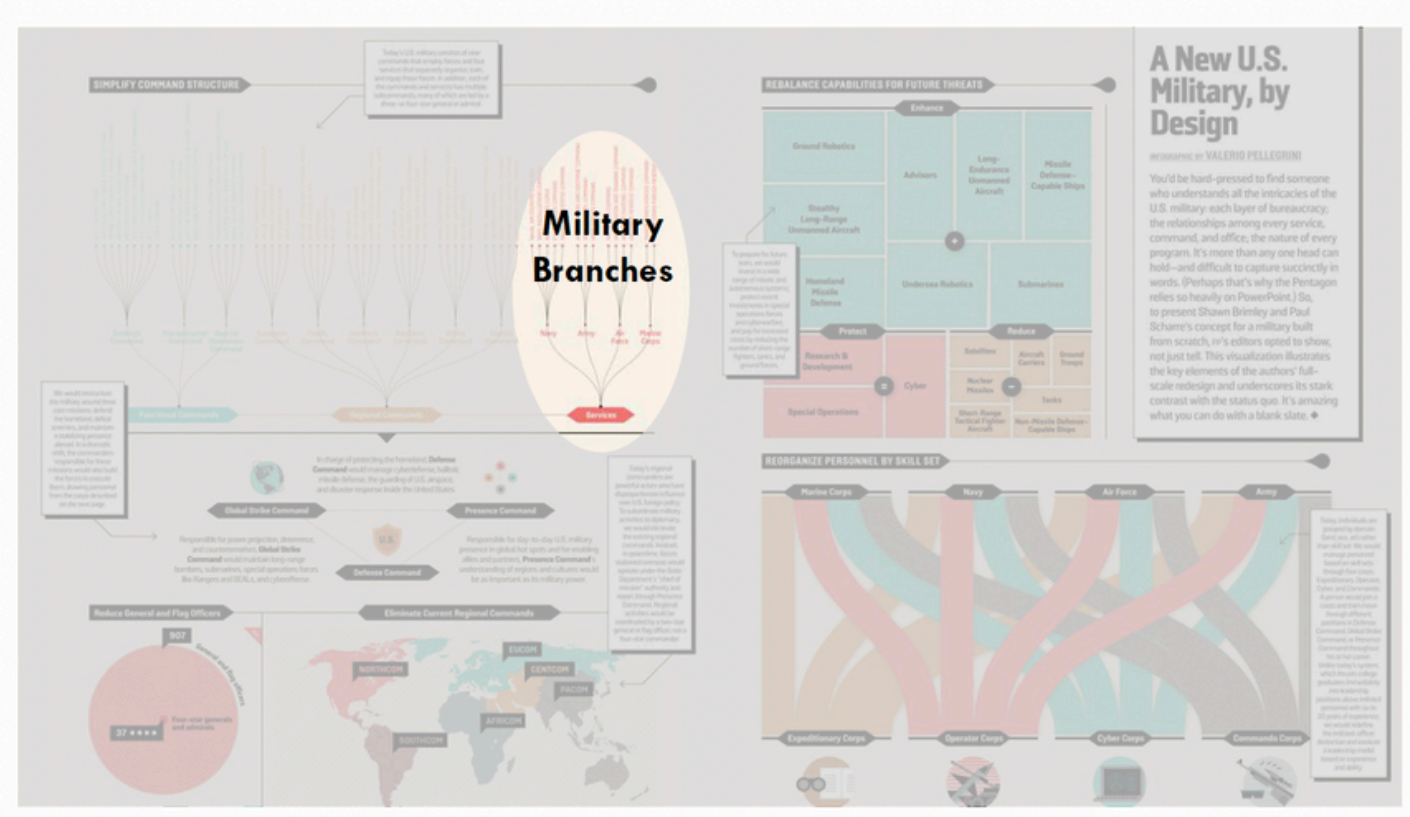
[Source](#)

COLOR EXAMPLE 4:



Source

COLOR EXAMPLE 4:



FONT

WHEN USED DAILY FOR 8 WEEKS...

👉 100% OF USERS 👈

OF SENEPLEX COMPLEX

≡ 51.9% ≡
INCREASED FIRMNESS

23.3% INCREASE IN
CELL RENEWAL!

168% INCREASED
COLLAGEN SYNTHESIS

SEE

👁️👁️

54.2%
INCREASED
MOISTURE
& HYDRATION

25% DECREASED
SAGGING

48.7% INCREASED
LUMINOSITY

👉

🤯

55.7% REDUCTION
OF FINE LINES
& WRINKLES

FONT

Consider the look and feel of your visualization



Tip: Use no more than three fonts

FONT

Oldword vs. Lining Fonts Proportional vs. Tabular

Use a font with lining and tabular numbers.

124.17 124.17
680.90 680.90

FP DANCER

GEORGIA

NOT IDEAL: OLDSTYLE

124.17 124.17
680.90 680.90

WORK SANS

GARAMOND

BETTER: LINING

124.17 124.17
680.90 680.90

WORK SANS

INTER

NOT IDEAL: PROPORTIONAL

124.17 124.17
680.90 680.90

ROBOTO

SOURCE SANS PRO

BETTER: TABULAR

[Source](#)

FONT

Create a visual hierarchy

NO HIERARCHY

On the Moon!
'A Giant Leap' for All of Man-
kind Americans First to Walk on
Dead Lunar Surface
Space Center, Houston —
Lorem ipsum dolor sit amet, ut
alia ludus evertitur vel, pri ut
maiorum maluisset. Eam ut
mucius option dissentiet. Ex
graece labore eirmod sit. Per-
fecto incorrupte no sea. Eius
utroque periculis eos te. Aliquip
molestie perpetua eum ex, sumo
laudem deseruisse mel no. Libris
tacimates antiopam pri at. Sea
no fugit exerci partiendo.

LIMITED HIERARCHY

ON THE MOON!
*'A Giant Leap' for All of
Mankind*
Americans First to Walk on
Dead Lunar Surface
Space Center, Houston —
Lorem ipsum dolor sit amet, ut
alia ludus evertitur vel, pri ut
maiorum maluisset. Eam ut
mucius option dissentiet. Ex
graece labore eirmod sit. Per-
fecto incorrupte no sea. Eius
utroque periculis eos te. Aliquip
molestie perpetua eum ex, sumo
laudem deseruisse mel no. Libris
tacimates antiopam pri at.

IMPROVING...

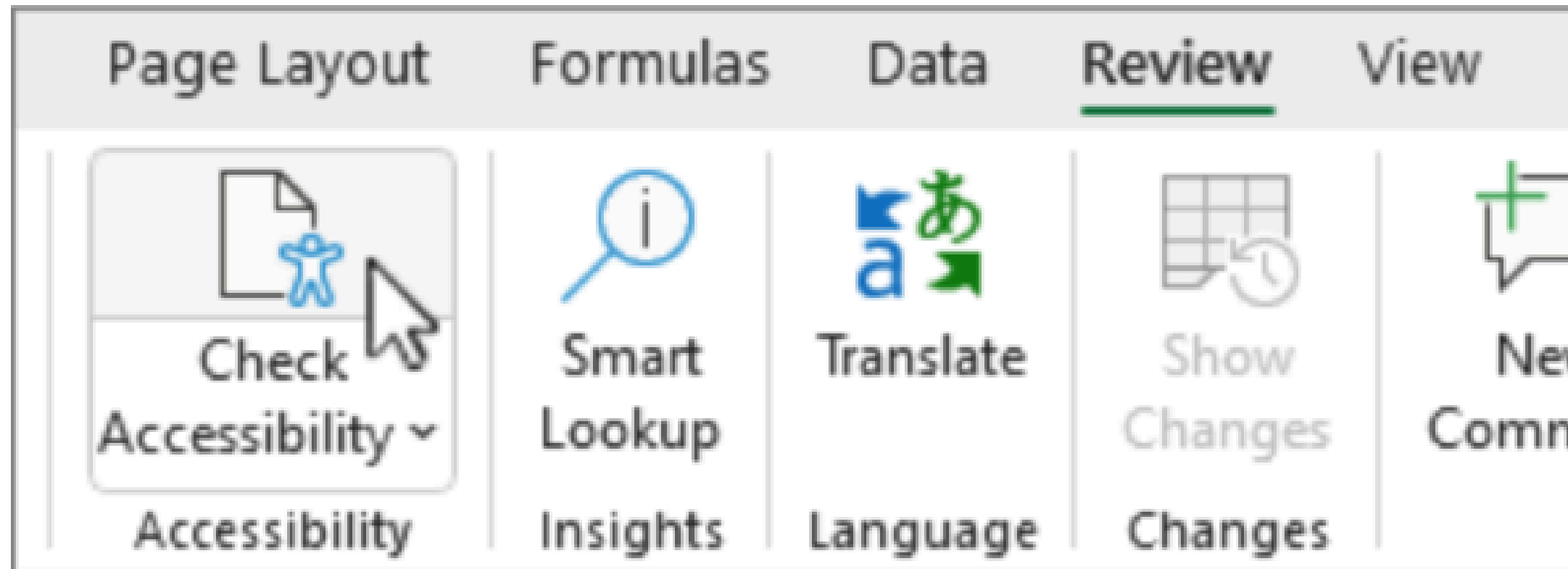
ON THE MOON!
*'A Giant Leap' for All of
Mankind*
**Americans First to Walk on
Dead Lunar Surface**
Space Center, Houston — Lorem
ipsum dolor sit amet, ut alia ludus
evertitur vel, pri ut maiorum malu-
isset. Eam ut mucius option dissen-
tiet. Ex graece labore eirmod sit.
Perfecto incorrupte no sea. Eius
utroque periculis eos te. Aliquip
molestie perpetua eum ex, sumo
laudem deseruisse mel no. Libris
tacimates antiopam pri at.

MUCH BETTER!

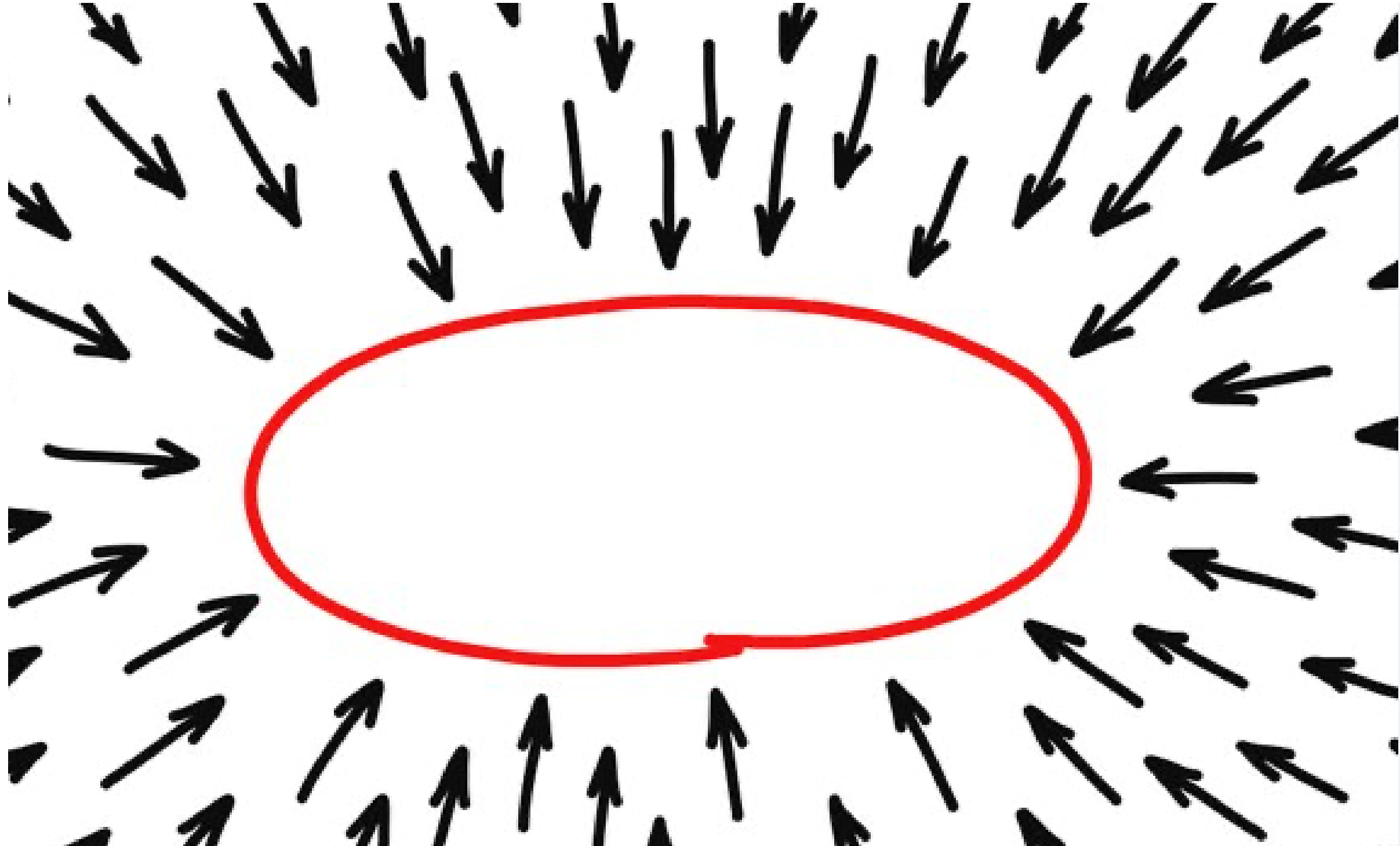
ON THE MOON!
*'A Giant Leap' for
All of Mankind*
**Americans First to Walk on
Dead Lunar Surface**
Space Center, Houston — Lorem
ipsum dolor sit amet, ut alia ludus
evertitur vel, pri ut maiorum malu-
isset. Eam ut mucius option dissen-
tiet. Ex graece labore eirmod sit.
Perfecto incorrupte no sea. Eius
utroque periculis eos te. Aliquip
molestie perpetua eum ex, sumo
laudem deseruisse mel no. Libris
tacimates antiopam pri at.

FONT

Accessibility



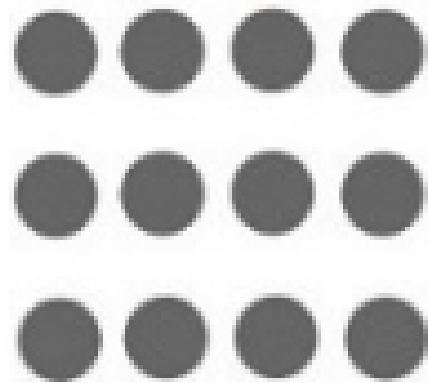
SPACE



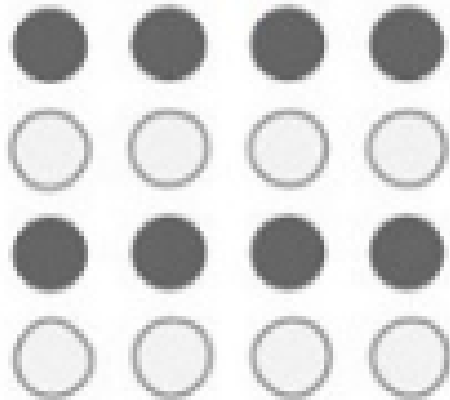
SPACE

GESTALT PRINCIPLES

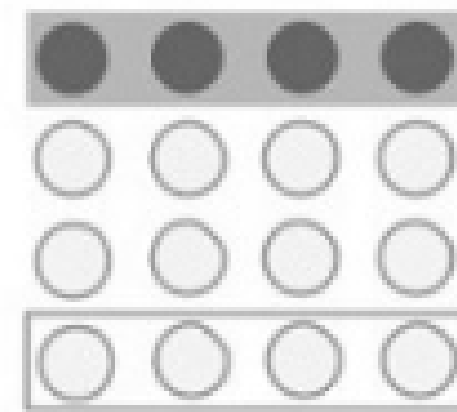
Proximity



Similarity



Enclosure



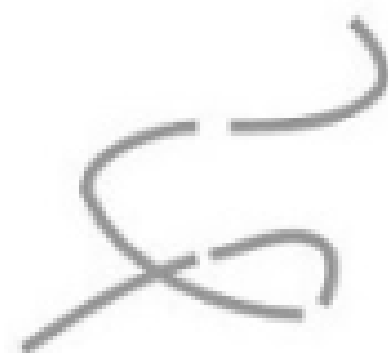
Symmetry



Closure



Continuity



Connection

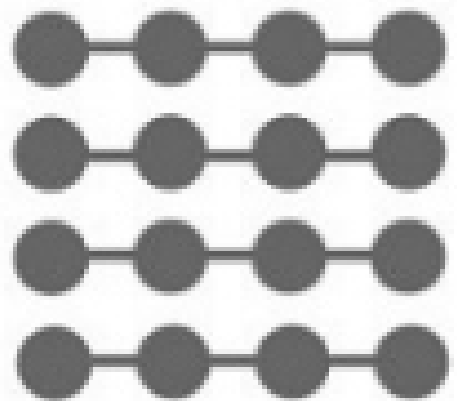
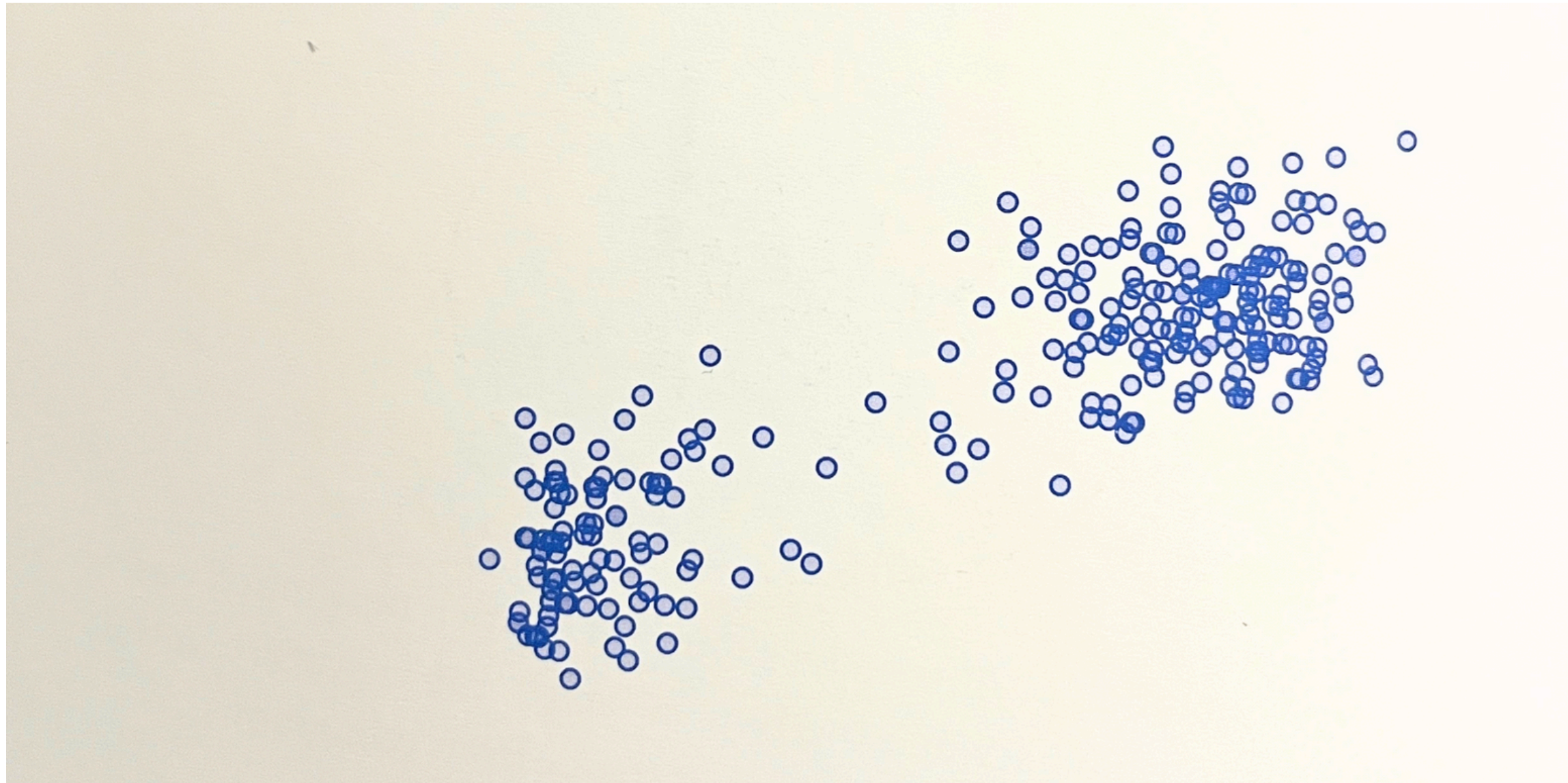


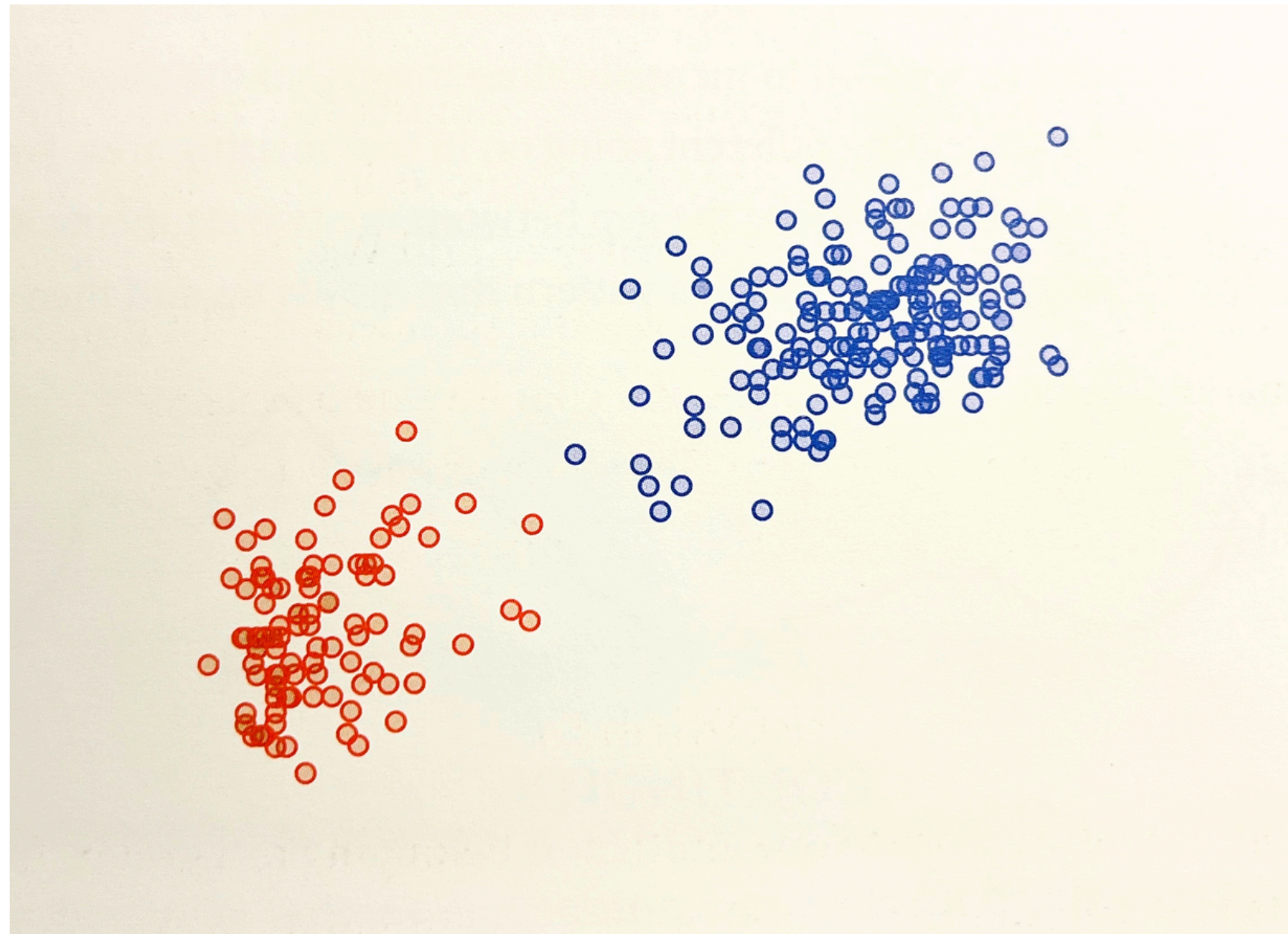
Figure & ground



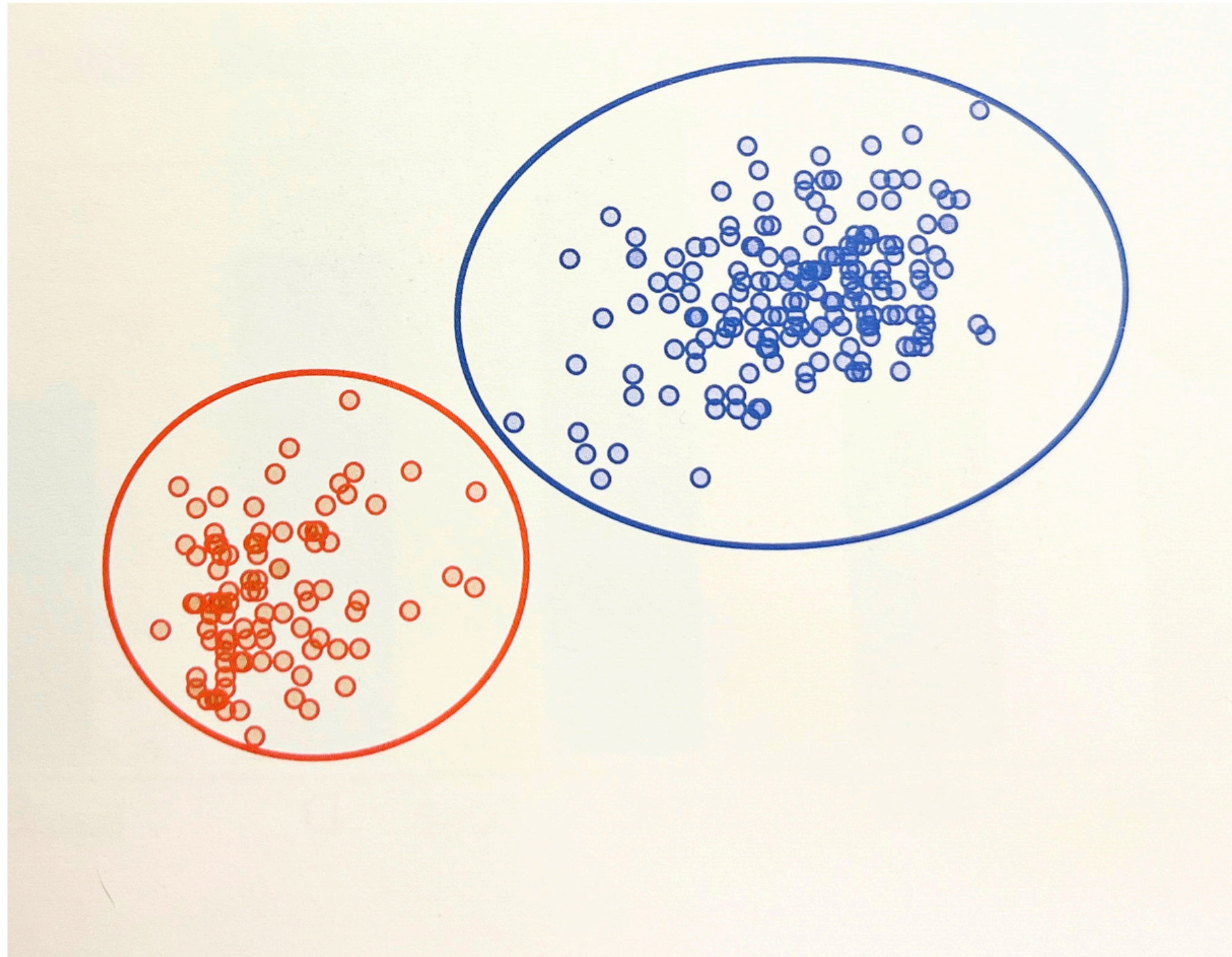
SPACE PROXIMITY



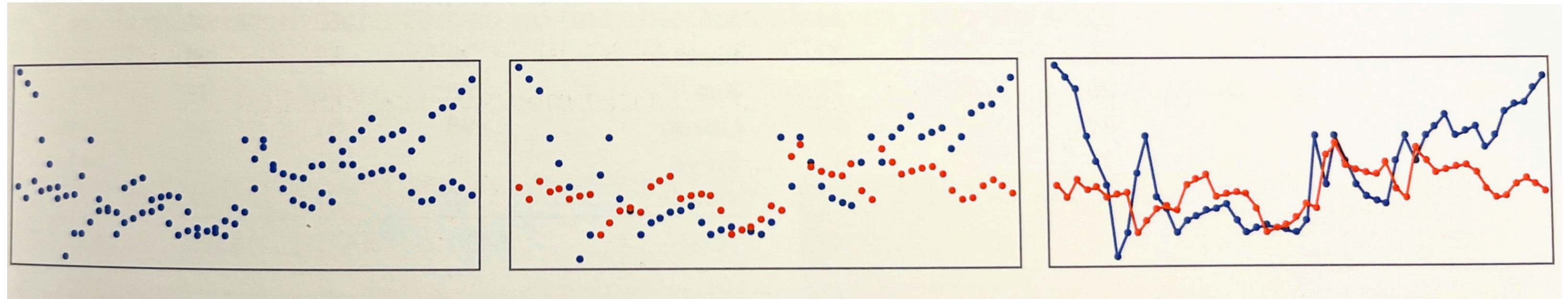
SPACE SIMILARITY



SPACE ENCLOSURE

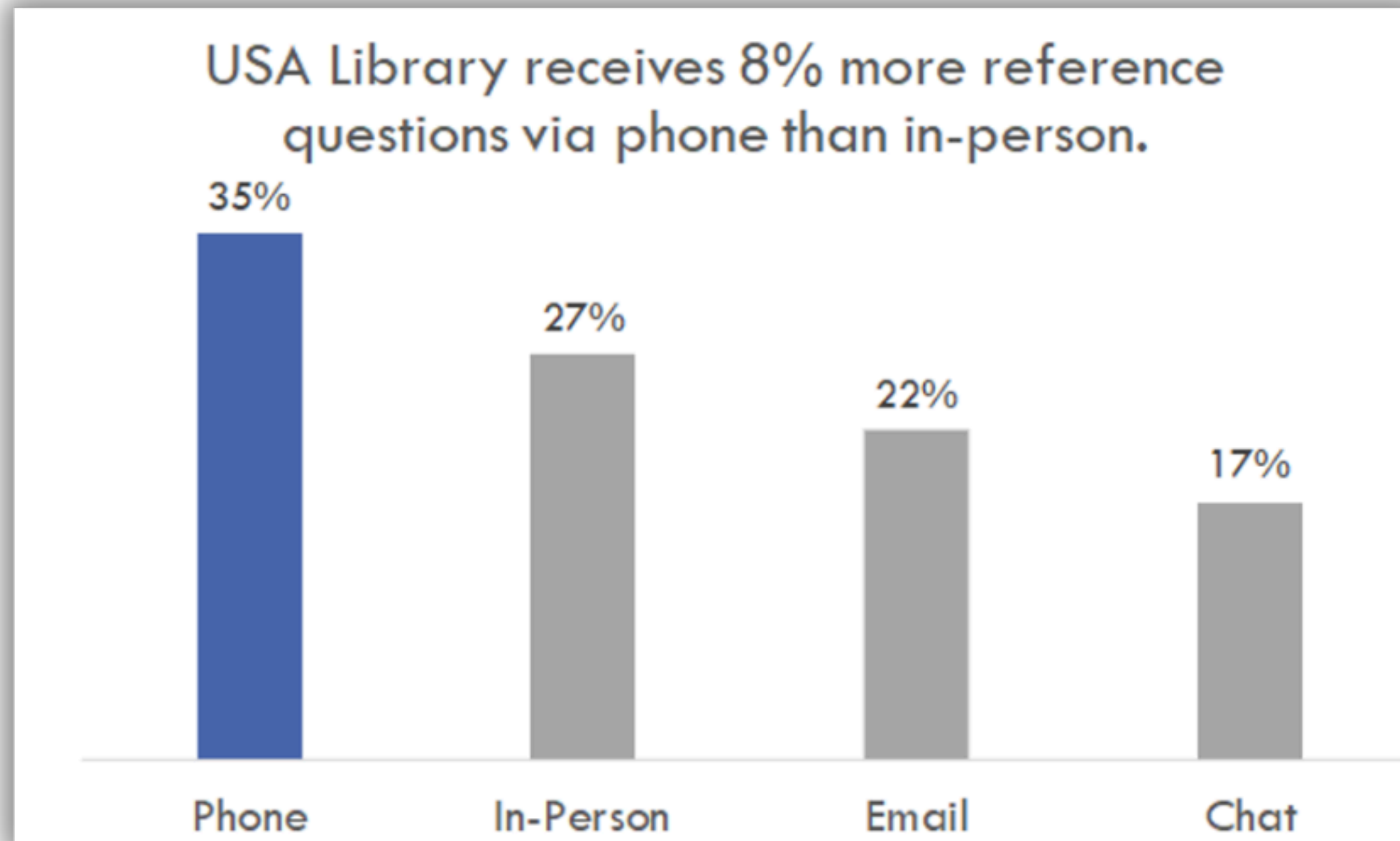


SPACE CONNECTION



SPACE

CONTINUITY



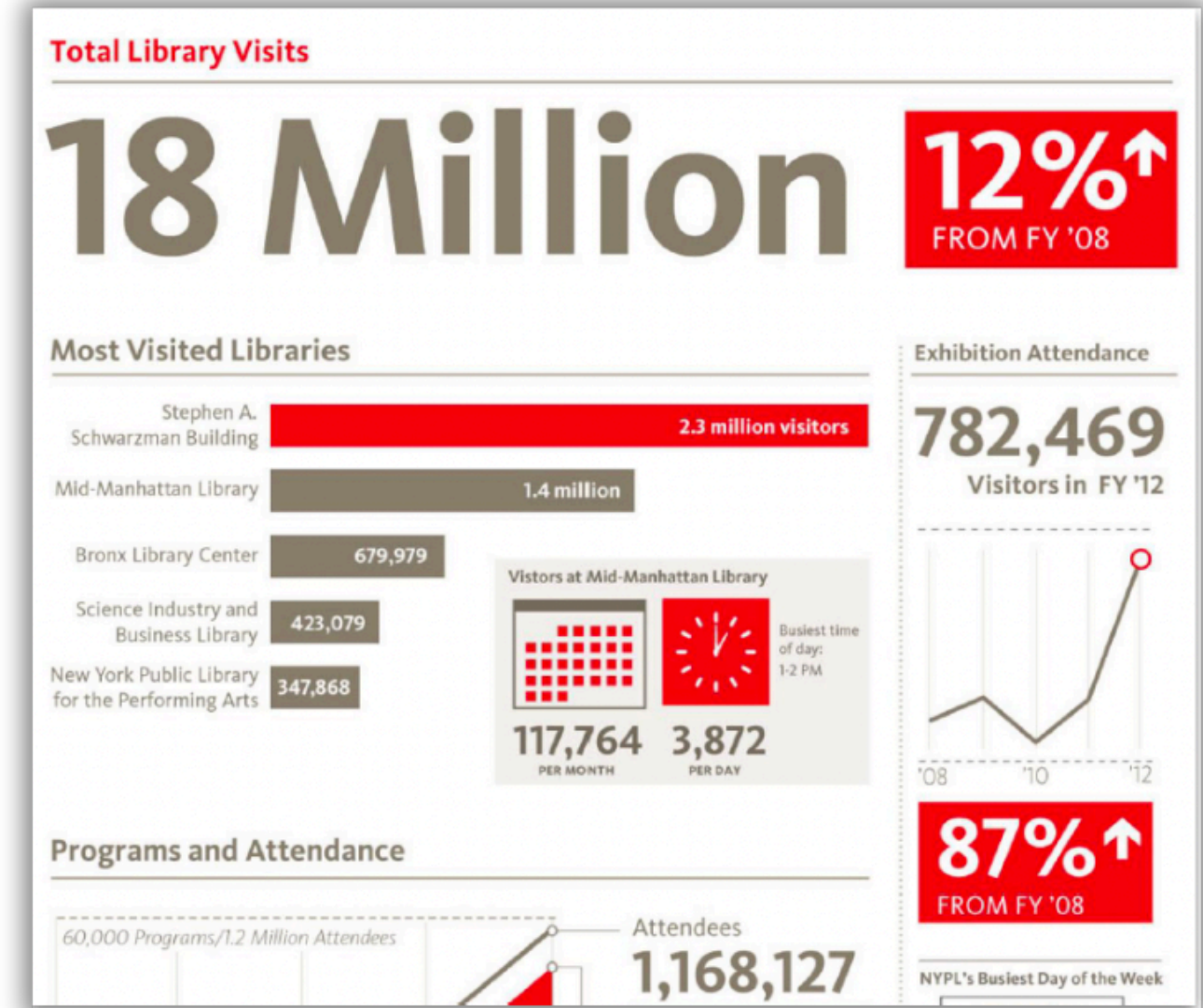
SPACE

KEEP IT SIMPLE AND PREDICTABLE

The image shows the Facebook login and account creation page. Red boxes and arrows highlight specific elements, numbered 1 through 4:

- 1**: A red box around the Facebook logo.
- 2**: A red box around the 'Log In' button.
- 3**: A red arrow pointing to the 'Create an account' link.
- 4**: A red box around the 'Create an account' button.

The page includes a login section with fields for 'Email or Phone' and 'Password', and a 'Log In' button. Below this is a 'Create an account' section with fields for 'First name', 'Surname', 'Mobile number or email address', and 'New password'. It also includes a 'Birthday' section with dropdowns for year, month, and day, and radio buttons for 'Female' and 'Male'. A green 'Create an account' button is at the bottom.

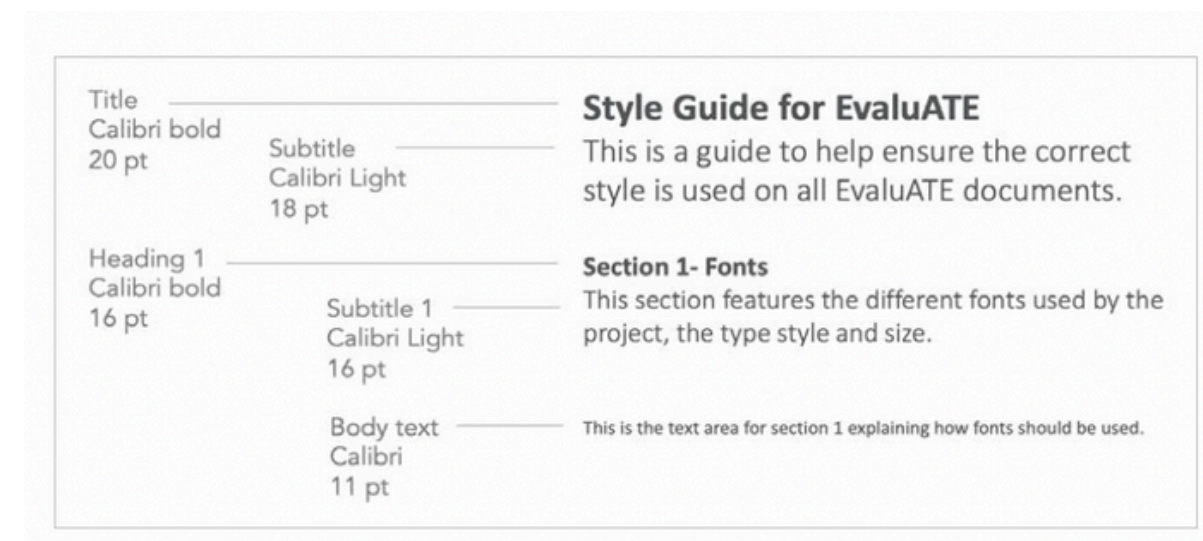
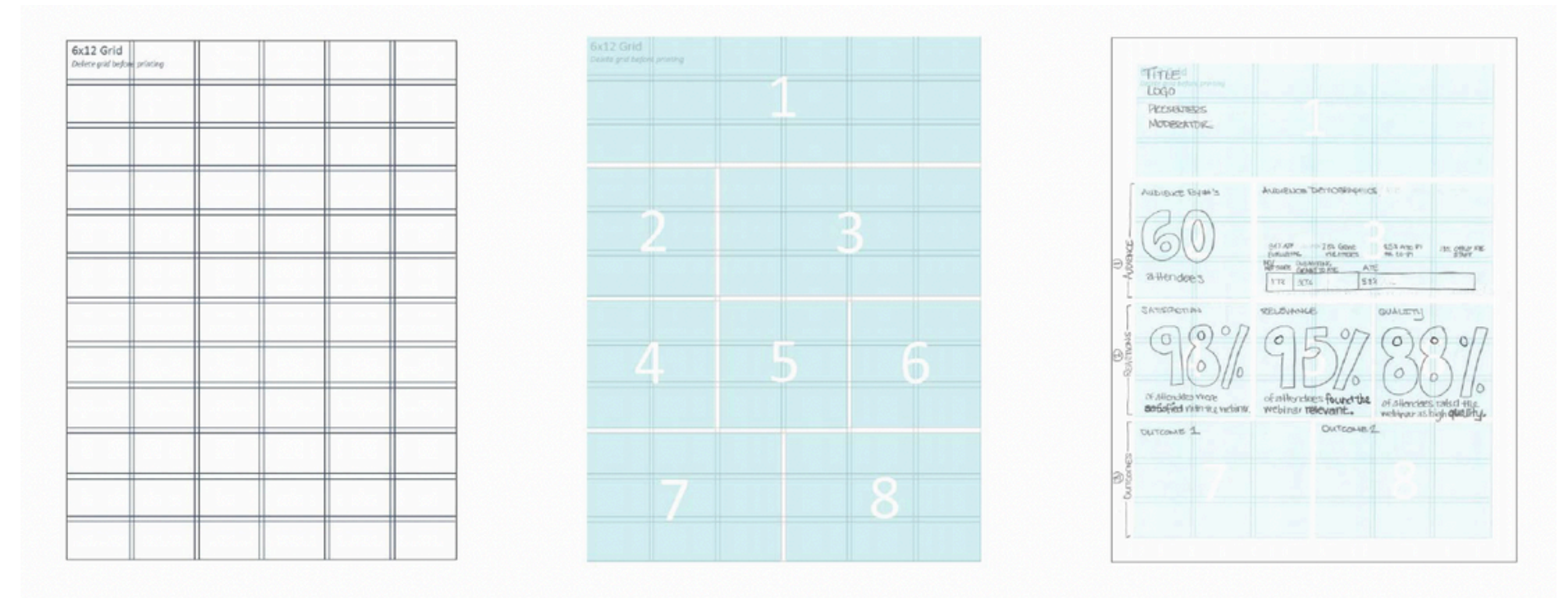




Designing a One Page Report

10 STEPS

1. Identify your audience
2. Identify the purpose
3. Prioritize the information
4. Choose a grid
5. Draft the layout
6. Create an intentional visual path
7. Create a purposeful hierarchy
8. Use white space
9. Get feedback
10. Triple check for consistency



10 steps Handout



[Source](#)

USE A GRID TO PLOT YOUR INFORMATION



Tip 1: sketch it out!

Tip 2: Check out PowerPoint. Use the QR code to find tips on PowerPoint visualizations.



10 minutes

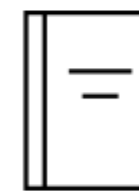
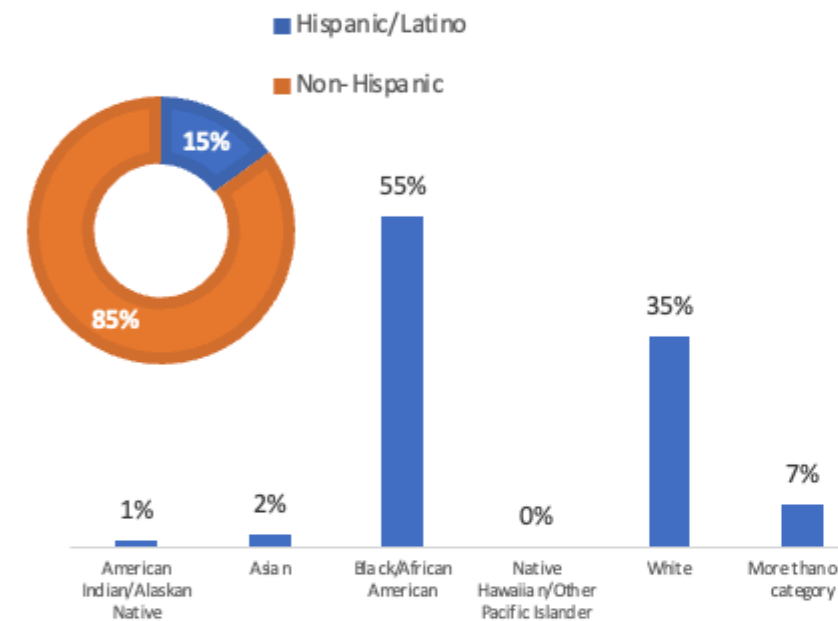
Practice 2:

Putting it all together

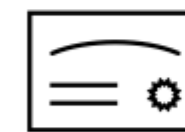
- Design a report for either:
 - the director who interested in if this program is encouraging ongoing library use
 - the town council who making funding decisions and is concerned with expanding equity
 - the local healthcare system (partner) who is interest in if the series is leading to better health/wellness outcomes

Families served in FY 2021

Caregivers



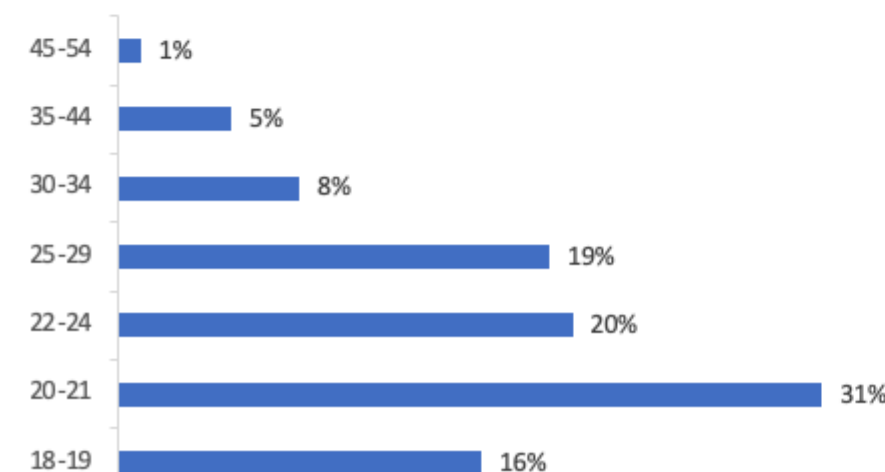
49 % have a high school diploma or less



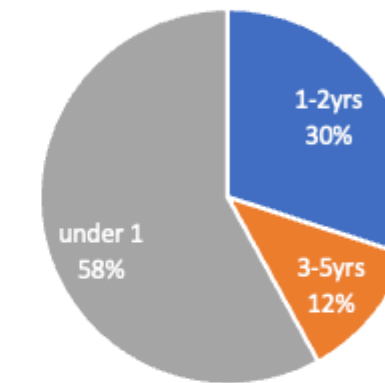
28% attended some college



23% college graduates



Children

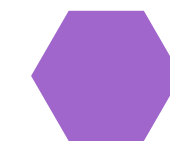


82% of participants completed the 4 week series.

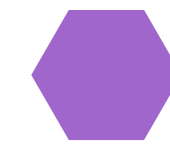
90% of survey respondents reported feeling more confident as caregivers.

44% of respondents reported having attended other early literacy events at the library.

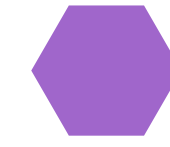
Final Takeaways



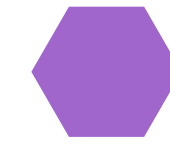
Choose the right visualization for the type of information you have



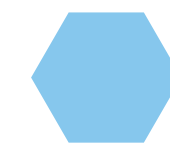
Give context to numbers and show the data



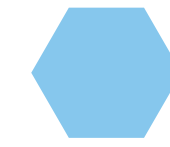
Tell a story



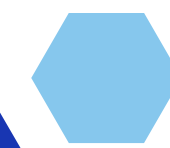
Keep it simple for the viewer



Use color wisely - remember accessibility!



No more than 2-3 fonts



Pay attention to whitespace and Gestalt Principles

TOOLS

Data Visualization

Programs/Software

Static and Interactive

Microsoft PowerPoint

Adobe Illustrator

Tableau

Piktochart

Canva

Venngage

Visme

Infogram

Miro

Animated

Powtoon

Animaker

Typography

Font squirrel

MyFont

FontPair

Iconography

Noun Project

Color

Adobe Color CC

Picular

Colorbrewer2

(mapping)



THANK YOU!

Contact: Amanda@allianceresearchco.com