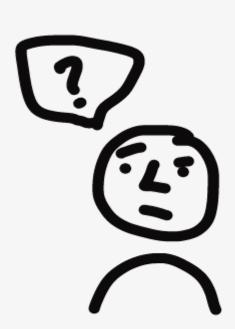


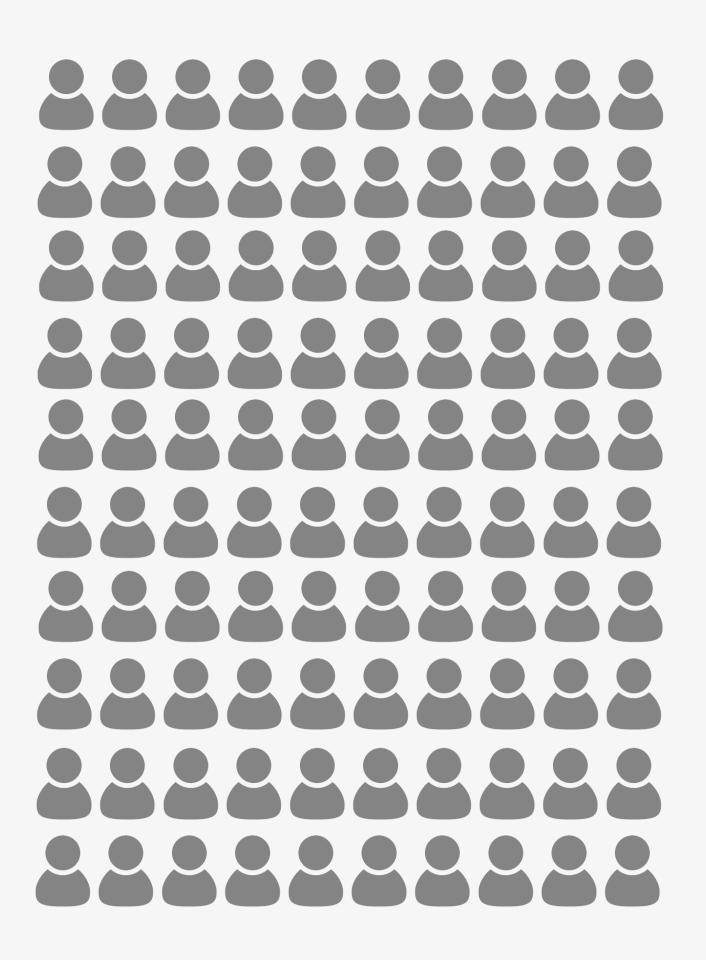
Best Practices – Part 2

Week 3



Why does accessibility matter?



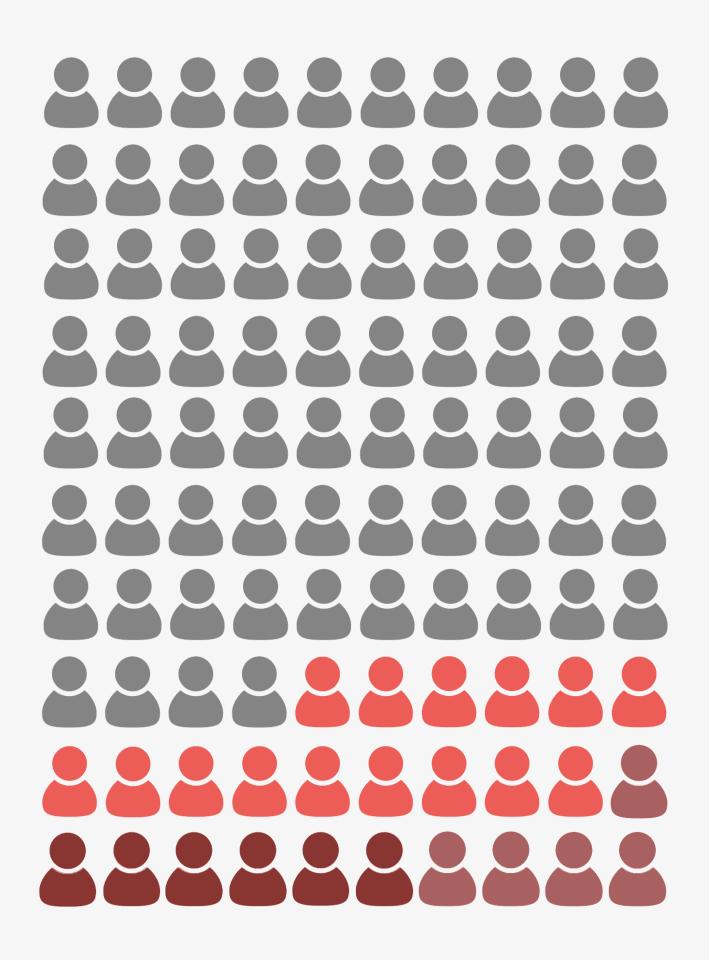


100 people







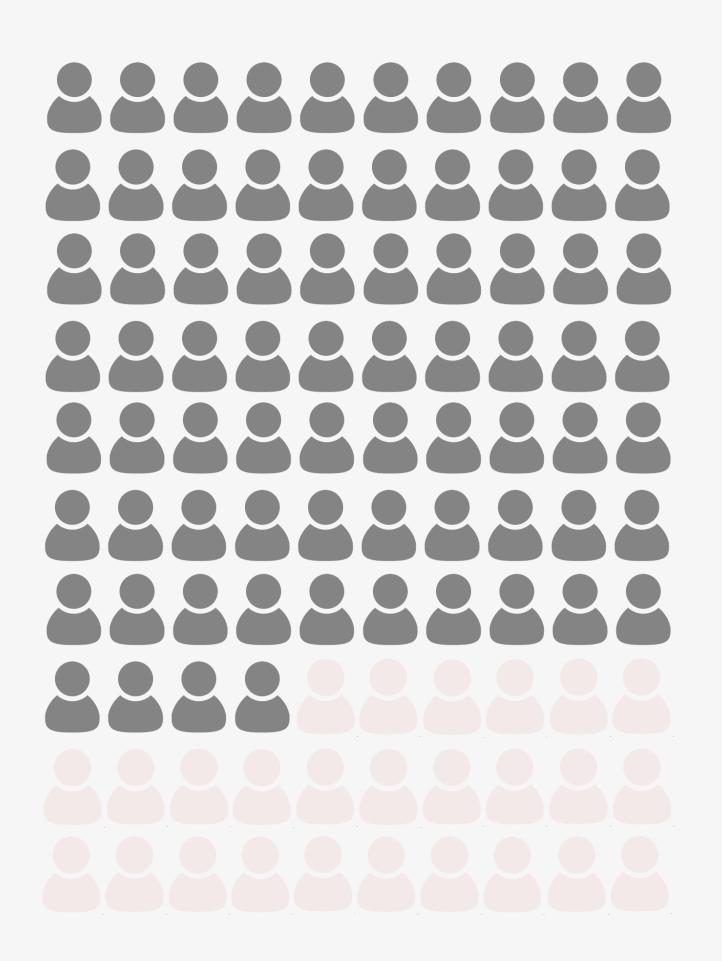


have mobility/cognition problems

have vision problems

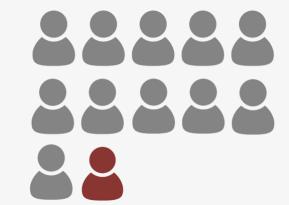
have hearing problems





25 people





1 in 12 men



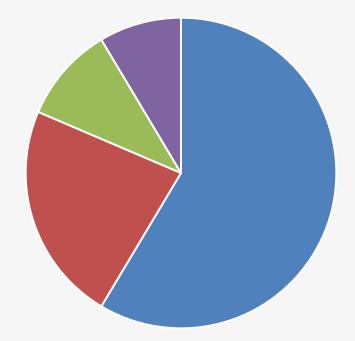
...are color blind!

Common mistakes

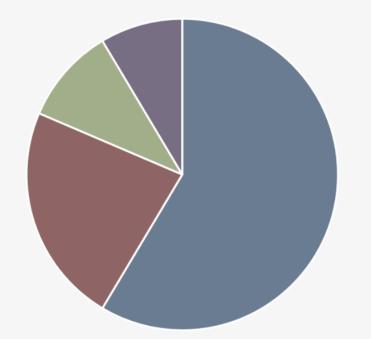


#1. CONSIDER COLOR BLINDNESS

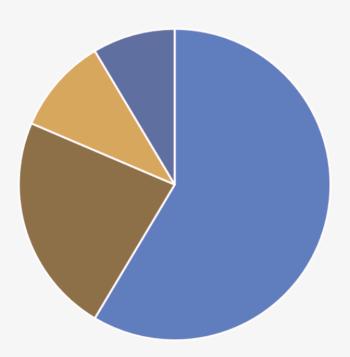
Normal vision



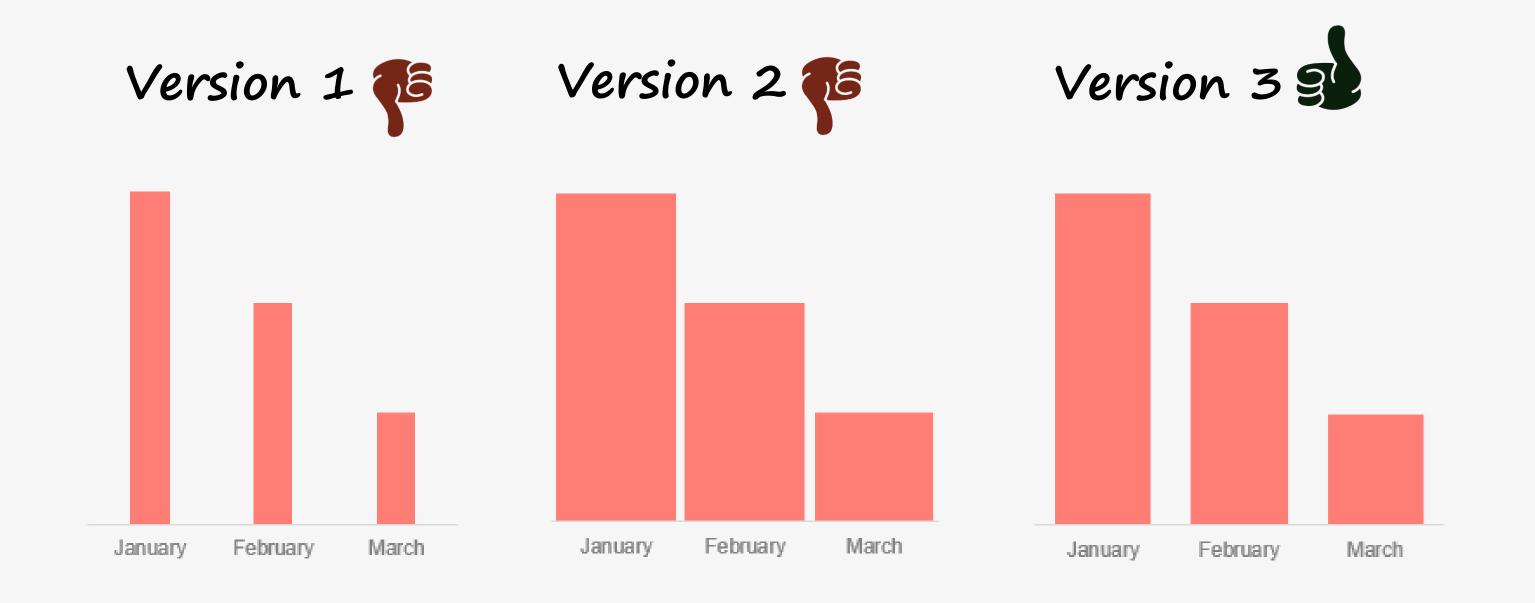
Blue cone monochromacy

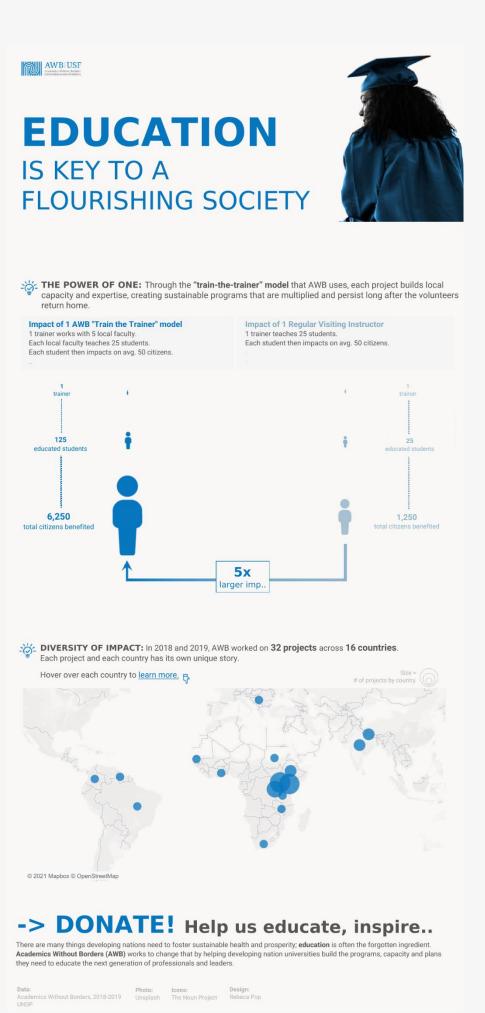


Green-blind/deuteranopia

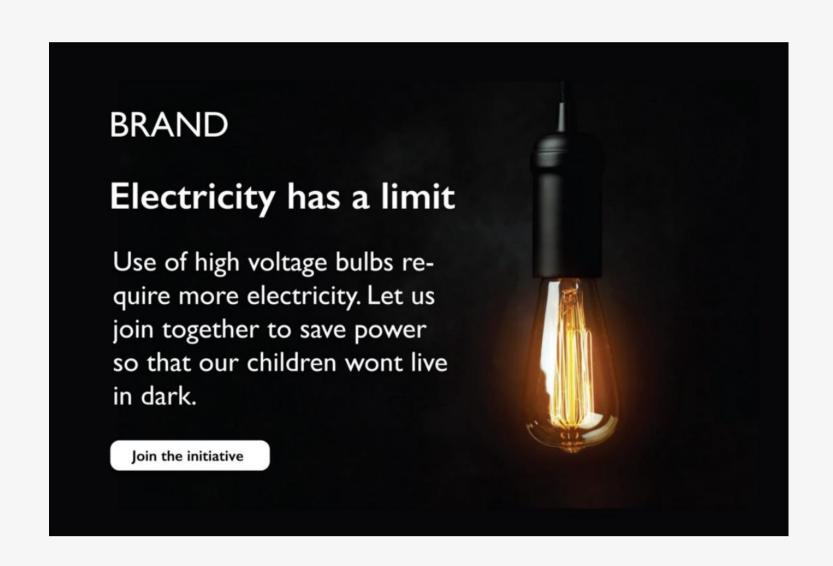


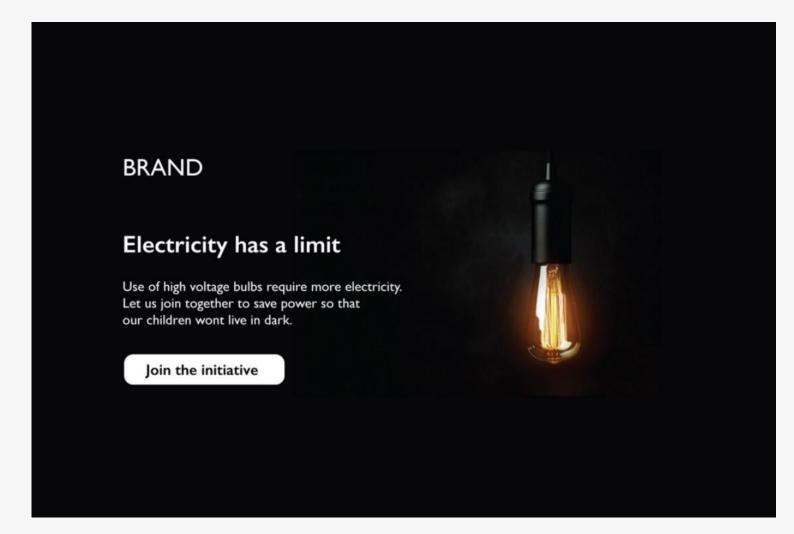
#2. USE WHITE SPACE WISELY





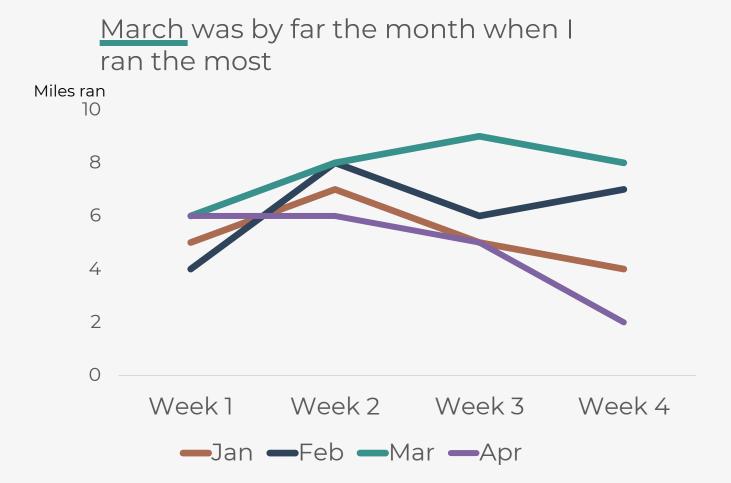
Source: personal visualization





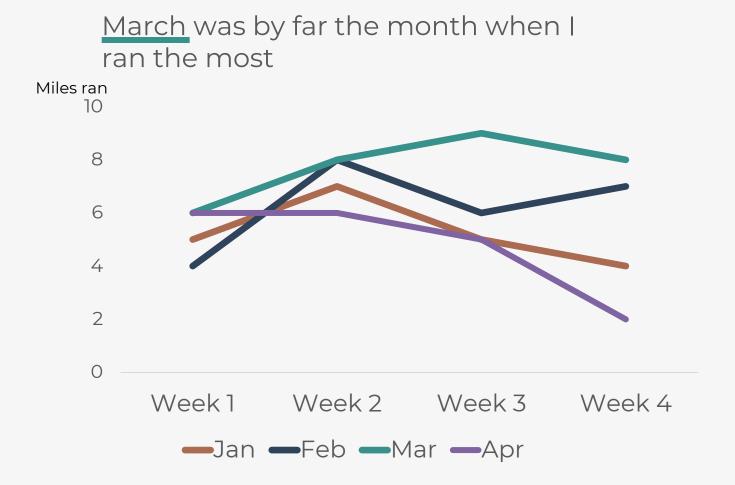
#3. LABEL DATA DIRECTLY

Default Excel legend

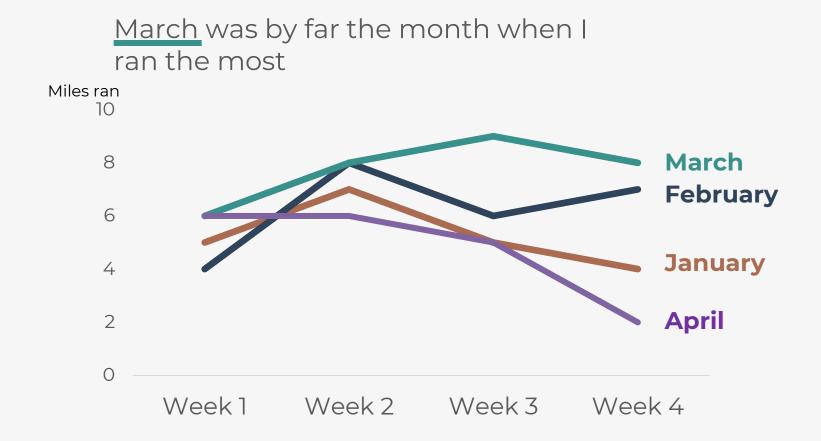


#3. LABEL DATA DIRECTLY

Default Excel legend

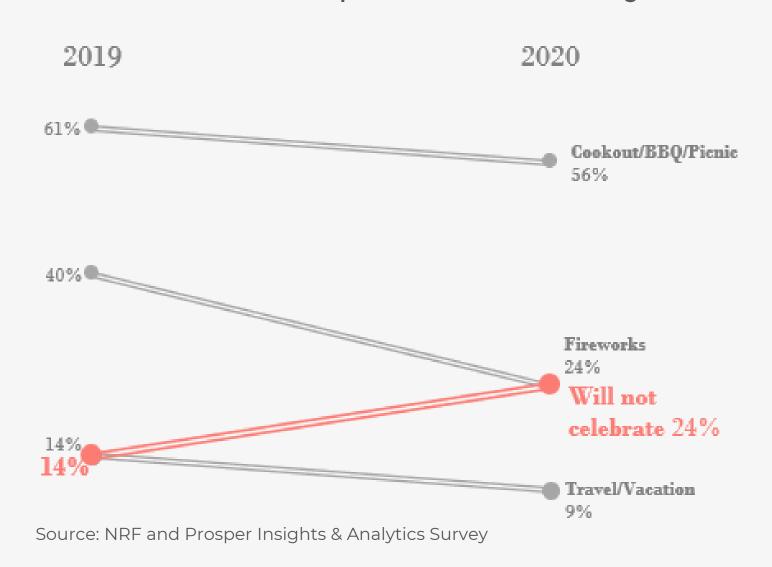


Data labeled directly



#4. USE ALT TEXT

In 2020, 1 in 4 Americans will not celebrate Independence Day



Alt Text

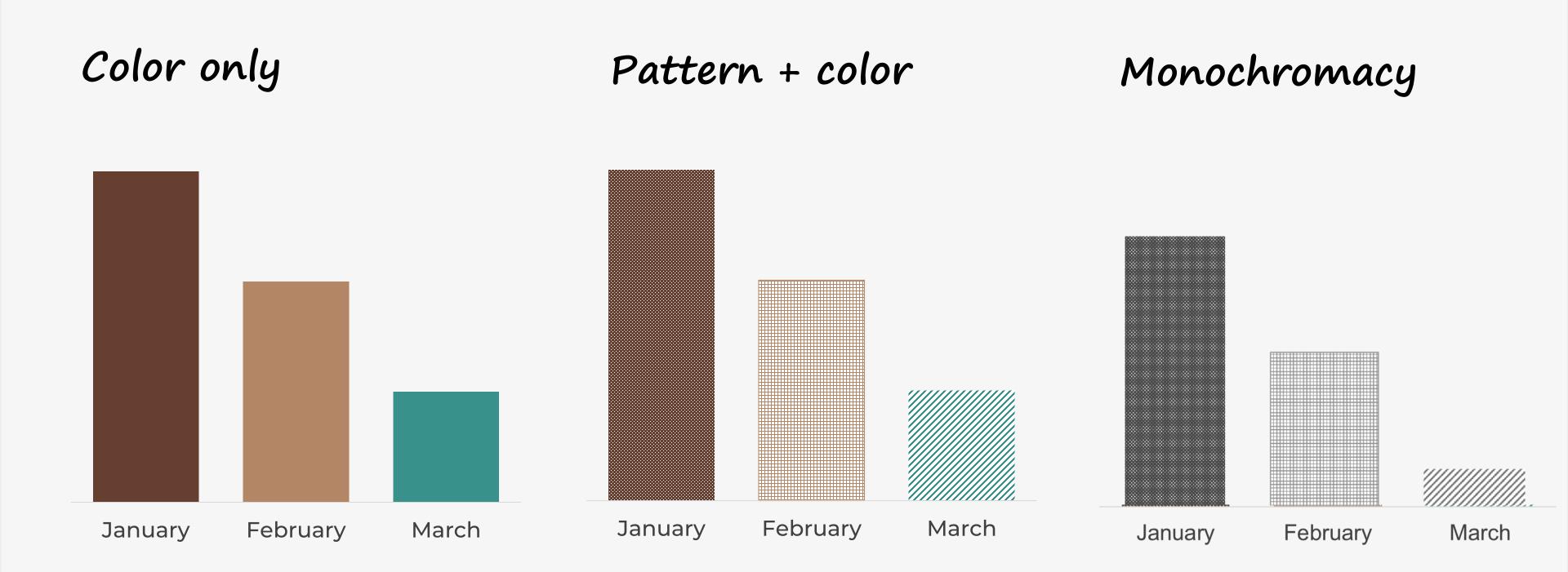


How would you describe this object and its context to someone who is blind?

(1-2 sentences recommended)

The chart shows how Americans plan to celebrate Independence Day in 2019 versus 2020. 1 in 4 Americans don't plan to celebrate Independence Day in 2020, compared to only 14% in 2019.

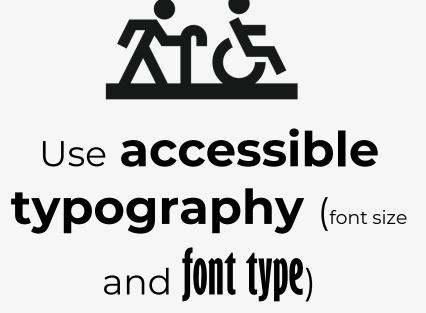
#5. USE COLOR + PATTERNS





A FEW OTHER TIPS

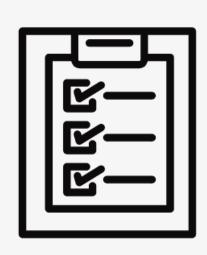






Use **enough contrast** between background and text/charts

Tools that you can use





TOOLS



Microsoft How to add ALT Text



Color-blindness simulator



COLORBREWER 2.0 Pick sequential, diverging, qualitative colors



Data color picker



Coolors



Microsoft Add patterns in Excel



+ + o b l e o u Add patterns in Tableau

The Noun Project



cons

Color in Data Visualization

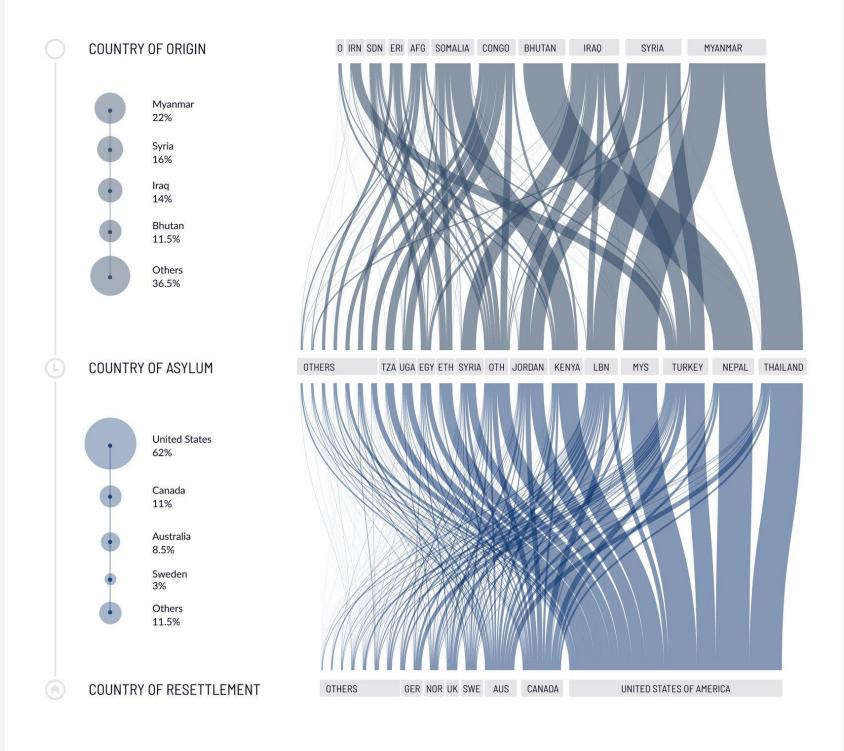


RESETTLED

The journey of refugees who found a new home thanks to the UNHCR Resettlement Program.

"I have travelled twice before in my life, but the last two times we travelled we were escaping. This time I am going to live a new life." Nine-year-old Mahmoud fled the conflict in Syria to Egypt. Traumatised by the ordeal, he was later resettled with his family to Sweden.

Mahmoud is determined to make the most of his new life. So are many other refugees who benefited from the UNHCR Resettlement Program. This visualisation illustrates the journey of 968,425 humans who found a new home in the past 7.5 years.



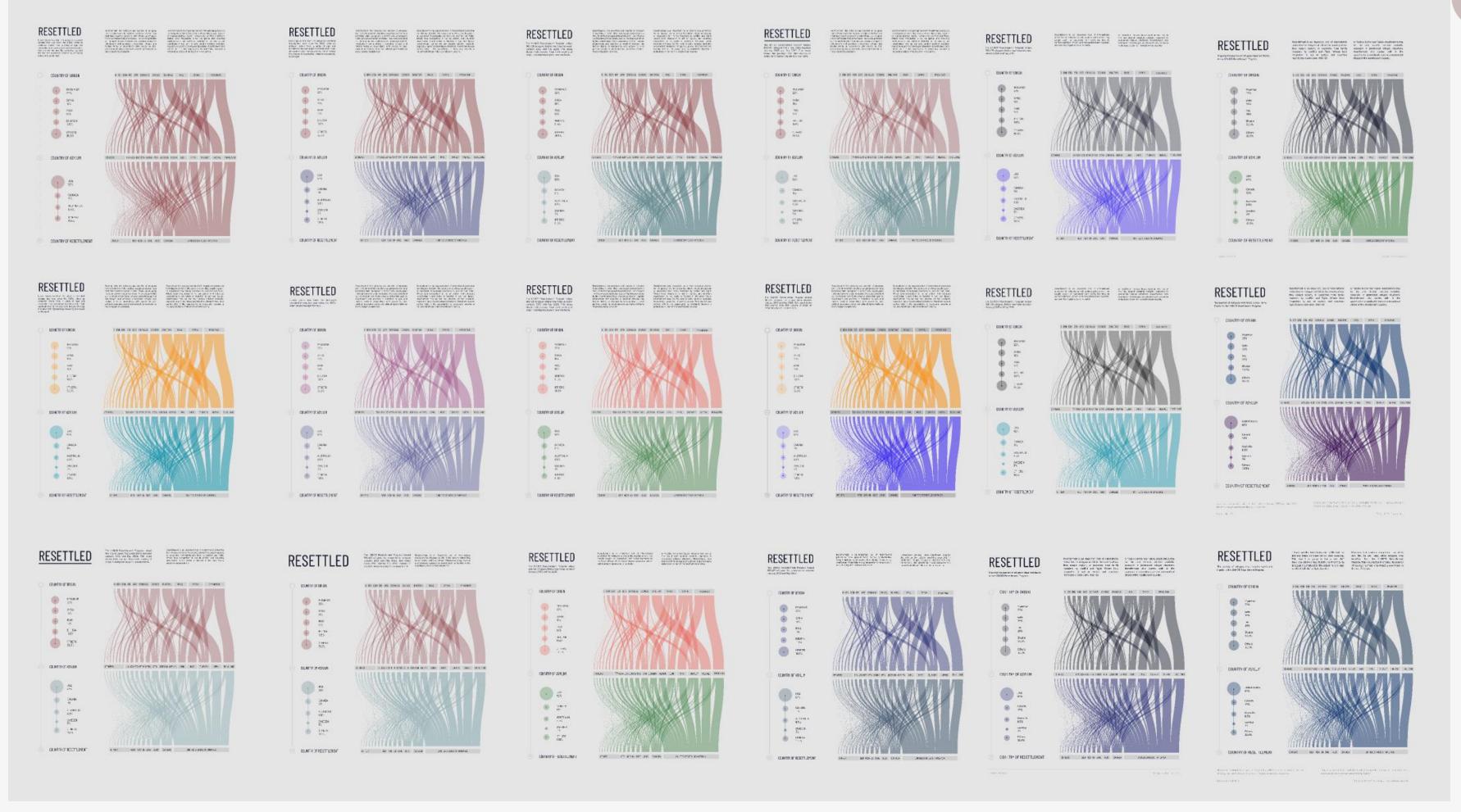
There were 20.4 million refugees of concern to UNHCR around the world at the end

This visualisation covers individuals who departured from asylum to resettlement of 2018, but less than one per cent of refugees are resettled each year.

countries between January 2003 and April 2020.

Data source: UNHCR

Designed by Evelina Judeikyte for #vizforsocialgood



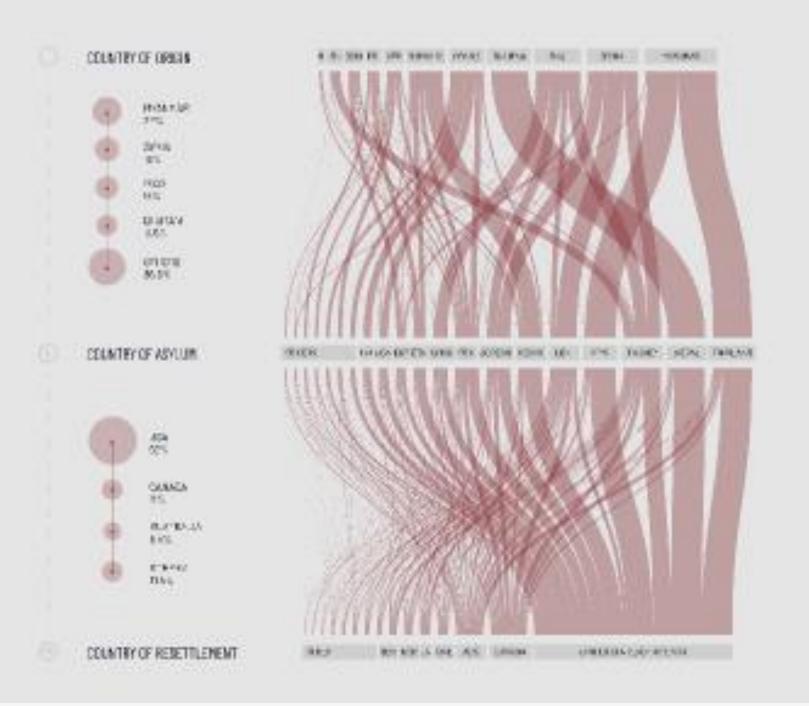
Source: Evelina Judeikyte



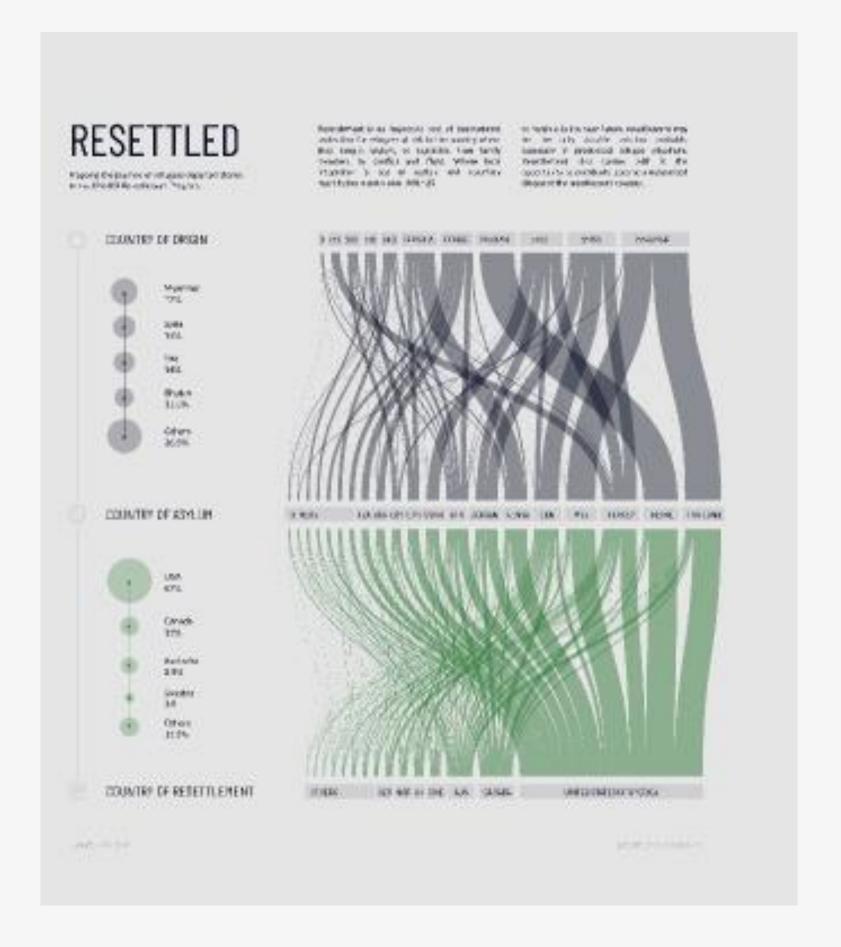
RESETTLED

E. and forced that the in the extending systems of the control of

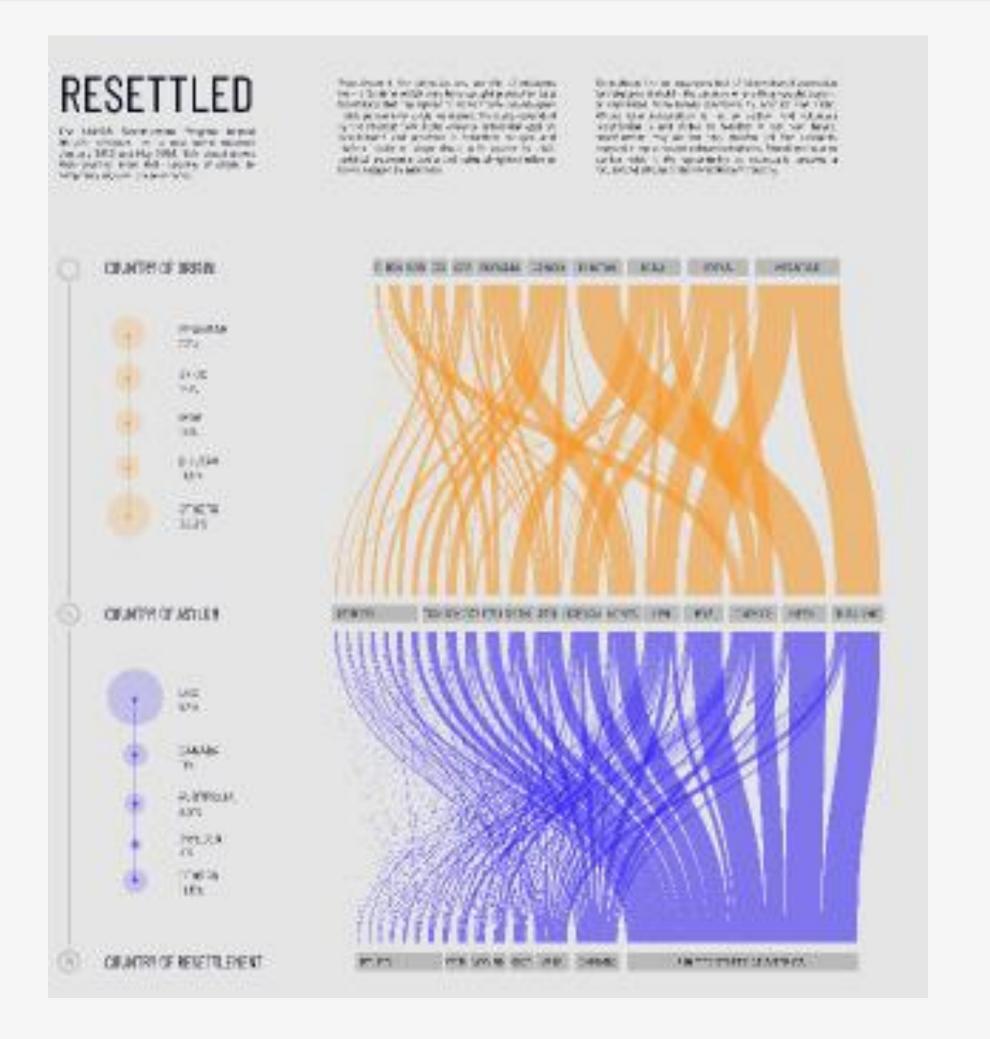
windpurpose outrigarant band of bringlines processed in many with the control of the control of

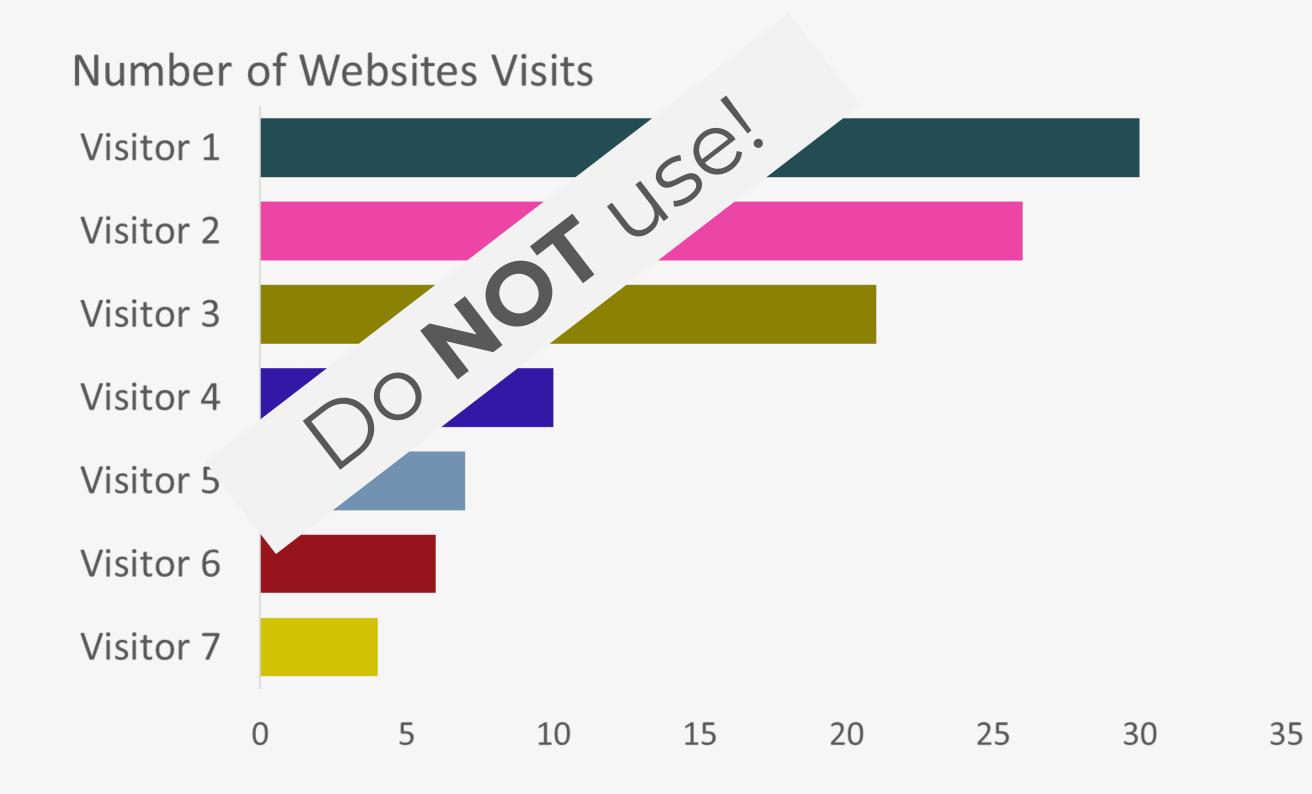


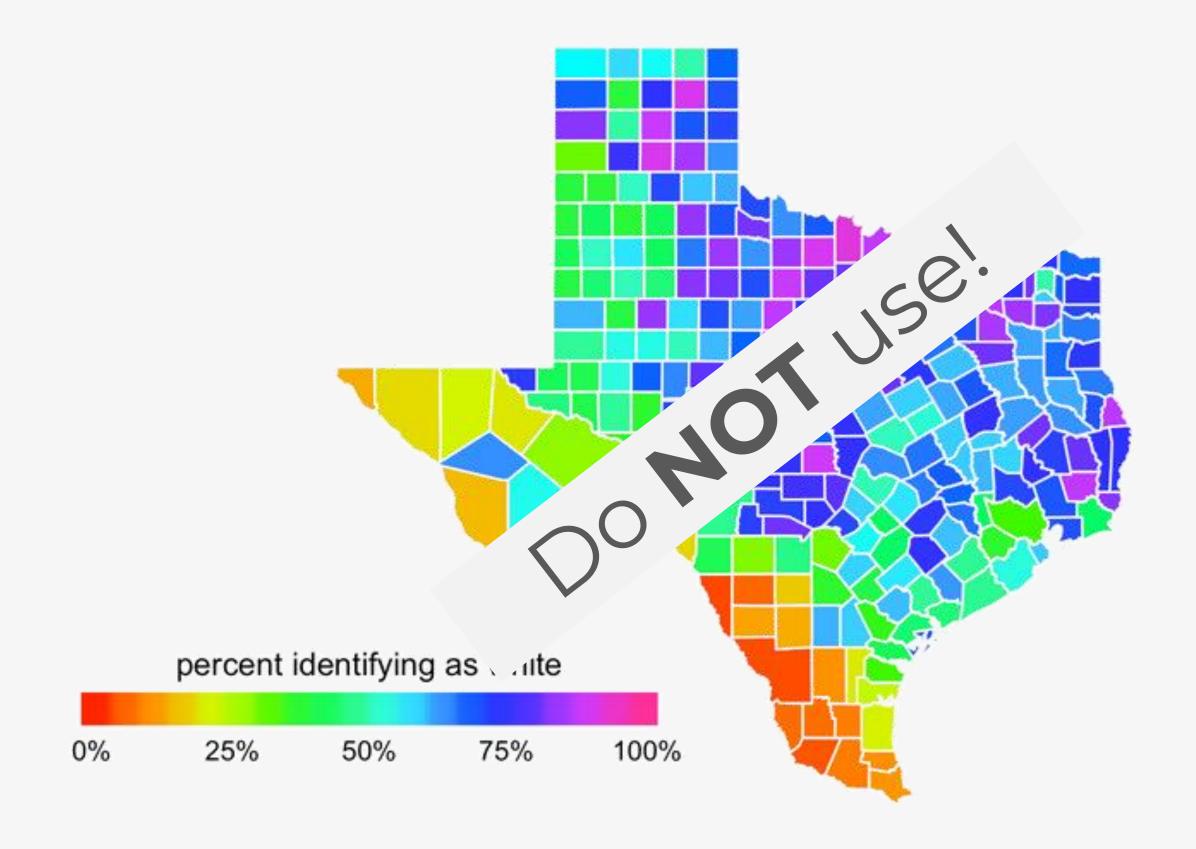




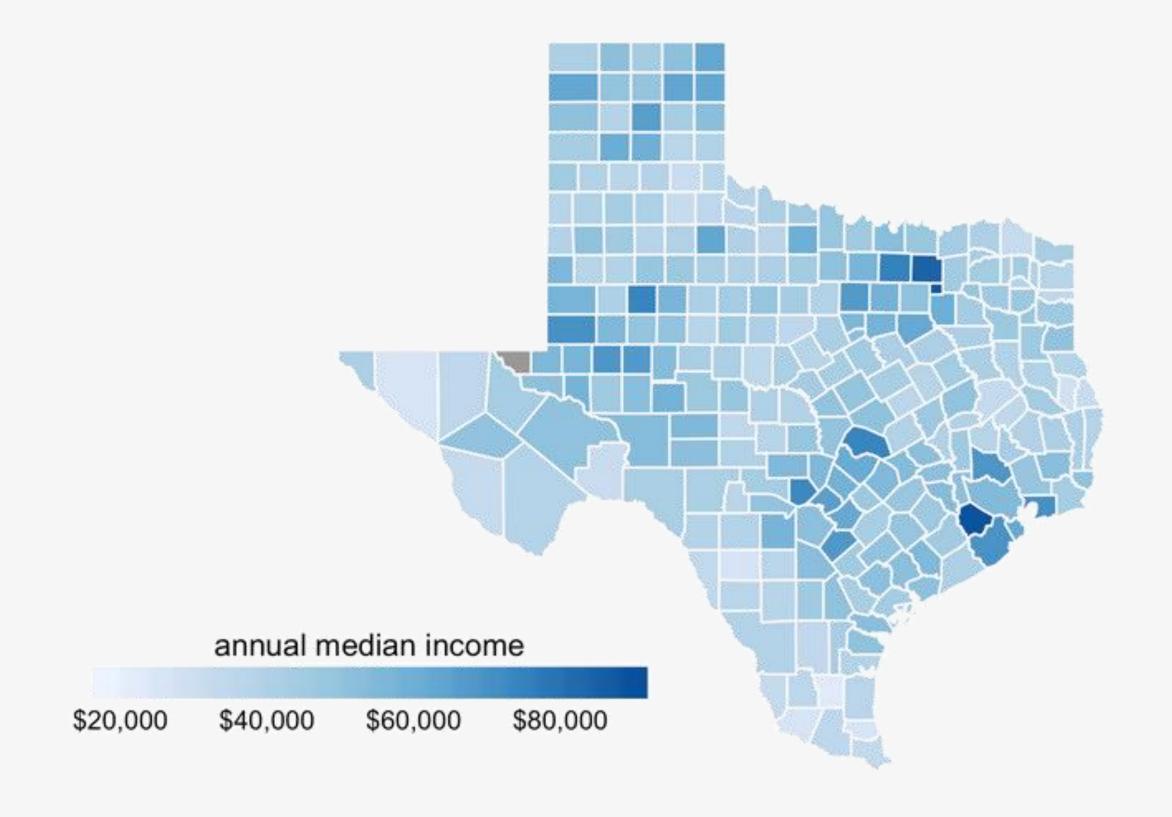






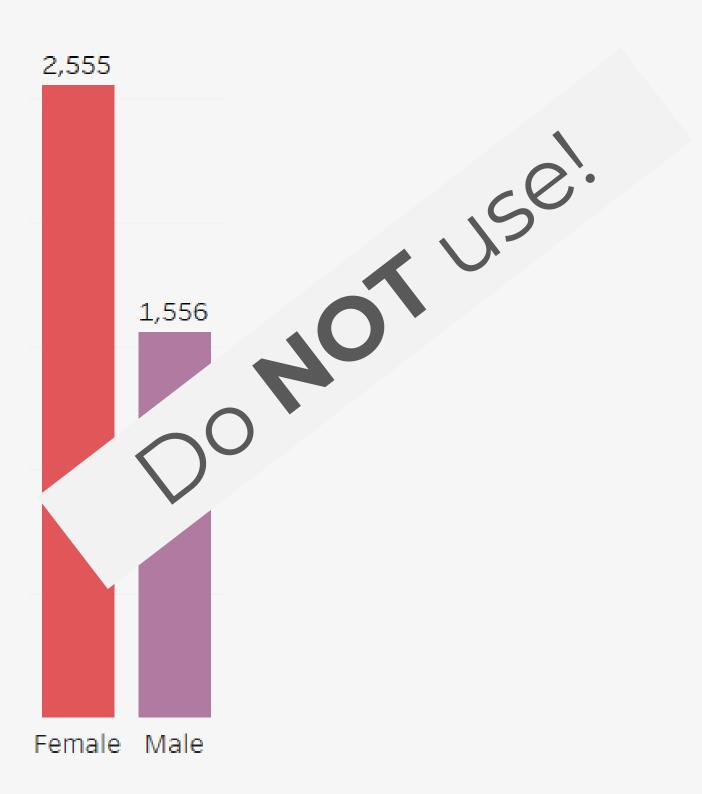






1. Use color sparingly

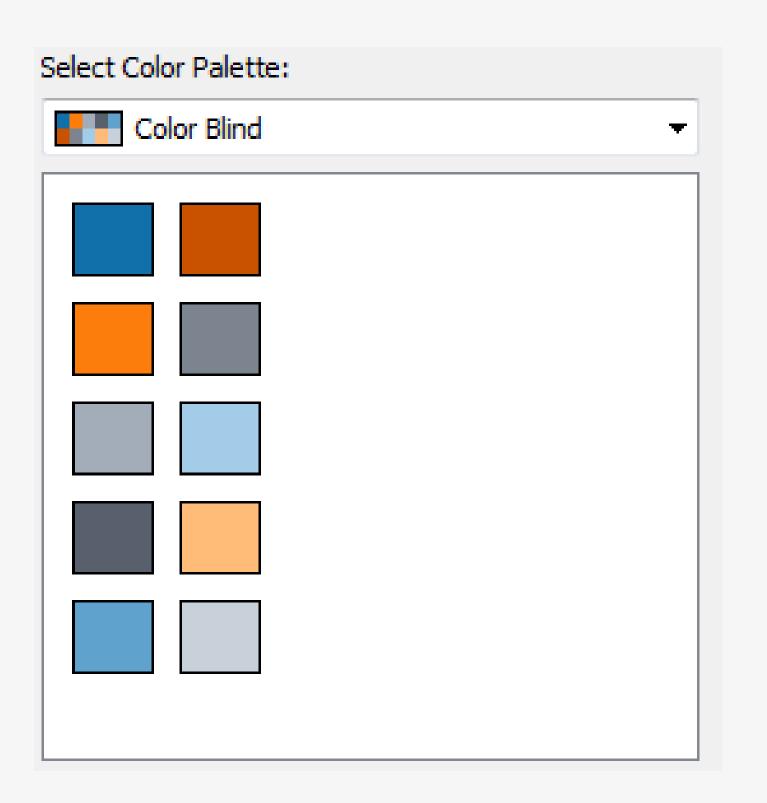
Females are more active than men on Twitter.





1. Use color sparingly 2. Use color consistently





Use color sparingly
 Use color consistently
 Consider color-blindness



Security, integrity, peace

Fresh, positive

Energy, caution

Romance, beauty, love

- 1. Use color sparingly
- 2. Use color consistently
- 3. Consider color-blindness
- 4. Know the meaning of colors





Source: : https://www.marion.com/how-choosing-branding-color-schemes-palettes/

- 1. Use color sparingly
 2. Use color consistently
- 3. Consider color-blindness
- 4. Know the meaning of colors
- 5. Consider brand-specific colors

TOOLS

Palettable
Colormind
ColorSpace



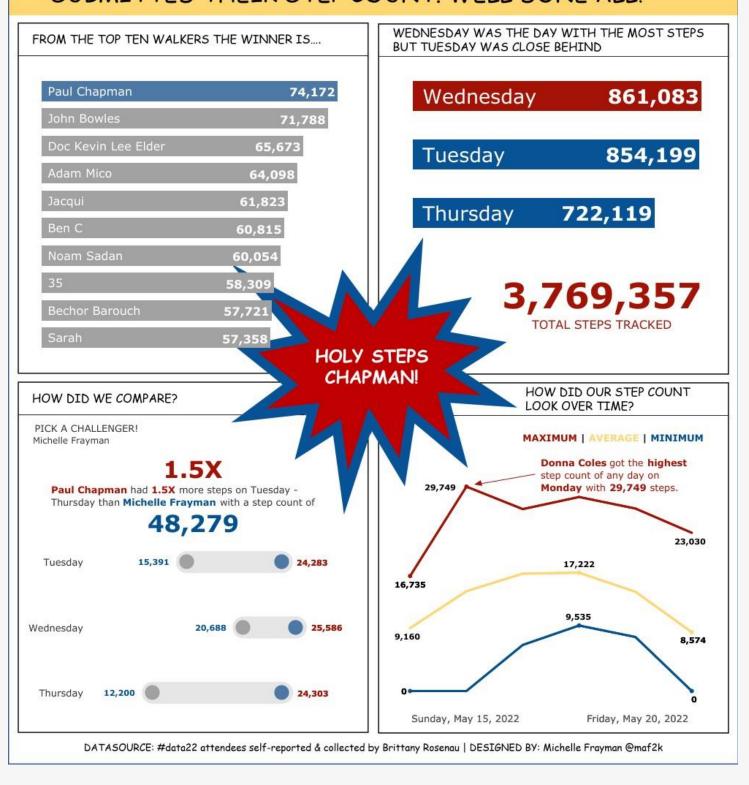
EXERCISE

Take a look at the two dashboards presented on the next slides.

Evaluate the color use based on the lessons learned today.

How would you rate each dashboard on a scale of 1 to 10 (10 being outstanding color use)?

WHO TOOK THE MOST STEPS IN LAS VEGAS DURING #DATA22? I THOUGHT I WALKED A LOT BUT IT WAS NOTHING COMPARED TO SOME OF THE OTHERS WHO SUBMITTED THEIR STEP COUNT. WELL DONE ALL!



Source: https://public.tableau.com/app/profile/michelle.frayman/viz/Data22StepCount/HolyStepsChapman

