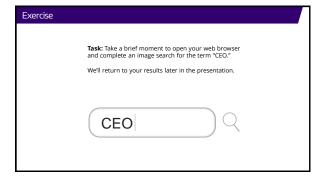


One of the ways that there is a continuing genocide against American Indianst Alaska
Natives is through data. When we are invisible in the data, we no longer exist. When I see an asterisk that says 'not statistically significant," or they lump us together with Pacific Islanders and Asian Americans - you can't lump racial groups together. That is bad data practice.

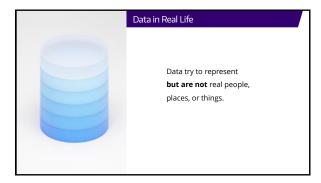
— Abigail Echo-Hawk,
Urban Indian Health Institute

Question for the Viewers Thave you ever seen a chart that seemed problematic or made you question its accuracy in relation to your understanding of the topic? A. Yes B. No C. I'm not sure

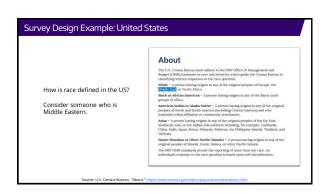




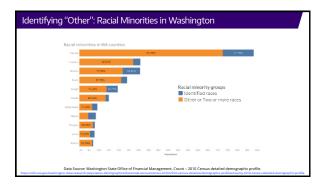




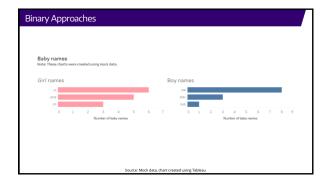


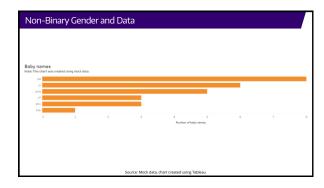


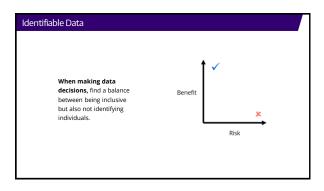












We Are Always Making Choices

- Collaborate with others to include multiple perspectives
- Be transparent in the decisions that you make when you collect, analyze, and visualize data
- Put care into how you speak about and represent the people who have contributed to your data
- Share data with the community that you are working with along the way
- Develop a custom dataset that pulls in non-Western, BIPOC-centered data sources, primary and secondary data, etc.
- Create a guide that explains the limitations of the data and what other sources to consider

Legal standards Funders' standards Ethical standards Remembering that data is not neutral

Considerations for Presenting Data

Selecting a topic

- Why are you selecting it?
- Who benefits from your work on this topic? Who may be harmed?
- Are you the right person to be doing this work?

Considerations for Presenting Data]
Getting the data	
Whose labor went into gathering the data?What biases impacted the collection process?	
 Who has control over the data? Does this conflict with who the data belongs to? 	
Considerations for Presenting Data]
Cleaning the data	
Who cleaned the data?How did they clean the data?	
Who is made invisible, erased, or prioritized?	
]
One struggle in how we talk about data visualization is how we understand it: that goals, abstraction, and numbers, intersect to	
make a whole. It's not just for the mathy types, but for anyone who seeks to understand their world through data. It's no artifact, one	
curated, logged, manipulated via calculations and comparisons, and finally sent out to the world as a message.	

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Question for the Viewers
Think back to your image search for the term "CEO." Do the images in the search results reinforce stereolypes? A. Yes B. No C. I'm not sure
NOTE: If you answered "Yes," please share your thoughts in the chat.

Inclusive Design Choices: Images	,
 Images and other visual representations of people are not immune from inequities in other parts of society 	
 They can reinforce harmful stereotypes, so if you search for an image or use an image that isn't yours, think critically about where and how it is used 	

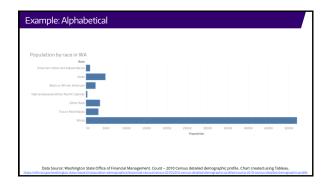
Inclusive Design Choices: Language

- Accessible and inclusive language applies to titles, labels you use
 - Example: CNN's 2020 election coverage
- Word order also matters
 - What the viewer sees can set the benchmark for what they compare to other categories

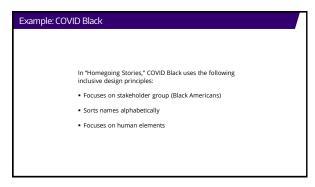
Inclusive Design Choices: Order

- What are your readers/viewers seeing first?
- What they see first can set the benchmark upon which they compare other categories
- Alternatives to categorizing by size: alphabetically, by stakeholder
- Who isn't represented? Who is misrepresented? Who is over or underrepresented?

Population by race in WA Res Those Name State States American Indian and American Indian In







Inclusive Design Choices: Space and Color

- Are you creating visual divides in a way that excludes or prioritizes one group over another?
- How much space something takes up and its color in a visualization can correlate to perceived importance or value
 - Example: Using gray to represent "other" devalues those in that group

Mapping, History, and Political Issues

- Who set the borders both historically and in the design of the map?
- Who is missing in the labels?
- Who is made invisible?

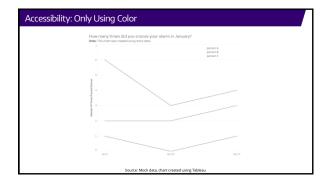
Mapping, History, and	l Politica	l Issues
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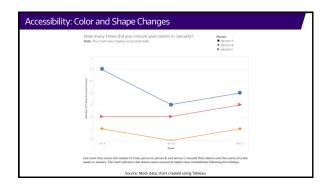
"...I looked up multiple maps of India and have not yet had two sources show the same map. This is most likely in relation to the Kashmir conflict which has been ongoing for nearly seventy years now. I do not work for Tableau but I am not sure they as an organisation are going to be willing to take sides in this dispute. The maps that Tableau use come from OpenStreetMap..."

Source: Compare attorn in Tableau Community Engage (or account for the polyage) better (from the latter for the polyage) better (from the polyage) and the polyage for the polyage) better (from the polyage) and the polyage for the polyage) and the polyage for the polyage

Accessibility

- Using "the least amount of ink on the page" can make it more difficult for screen readers
- Alternative text, color choices
- Designing around bandwidth
 - Example: Visualizations that require high bandwidth internet when your key population, community, or stakeholders do not have access to high bandwidth can make it difficult for them to access it





Very Takeatways Data and data processes do not always capture complexity and are not always inclusive. Whenever possible, work with your community on data collection and sharing processes. Mark any areas of uncertainty or data quality issues on a chart or in an accompanying note/guide. Consider the colors and language you use when creating charts. Are they inclusive? Do they prioritize or minimize any groups? Create more accessible charts by using multiple elements (such as shape and color) to communicate the information.



esources	
Abis	gall Echo-Hawk on the art and science of 'decolonizing data'
	scut.com article by Manola Secaira
http	s://crosscut.com/2019/05/abigail-echo-hawk-art-and-science-decolonizing-data
	rtability (chart accessibility)
Fran	k Elavsky and Fizz Studio
http	s://chartability.fizz.studio/
	ID Black's Homegoing Geographic and Category Data eau Dataset by COVID Black
	eau Dataset by COVID Black s://public.tableau.com/app/profile/covid.black/viz/HomegoingGeographicandCategoryData/HomegoingStories
mup	sz/publictableau.com/app/proille/covid.biack/viz/nomegoingGeographicanocategoryoata/nomegoingstones
Dat	a Feminism
Cath	erine D'Ignazio and Lauren F. Klein – The MIT Press
http	s://data-feminism.mitpress.mit.edu/
Dat	a Humanism. The Revolution will be Visualized
	a Humanism, The Revolution will be visualized
	//giorgialupi.com/data-humanism-my-manifesto-for-a-new-data-wold
Indi	genous Identity: More Than "Something Else"
	ve Americans in Philanthropy
http	s://nativephilanthropy.org/2020/11/24/indigenous-identity-more-than-something-else/