Data Visualization

EXAMPLES OF ACCESSIBLE VISUALIZATIONS

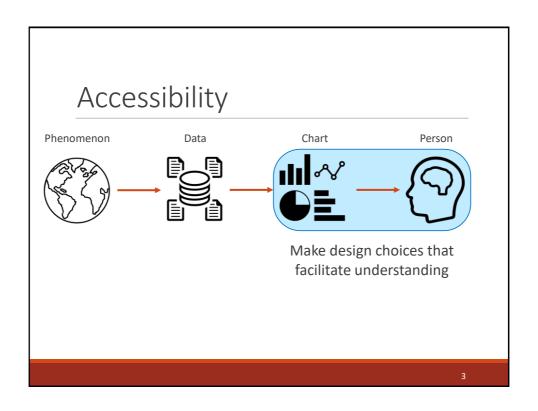
Tea Tušar, Data Science and Scientific Computing, Information retrieval and data visualization

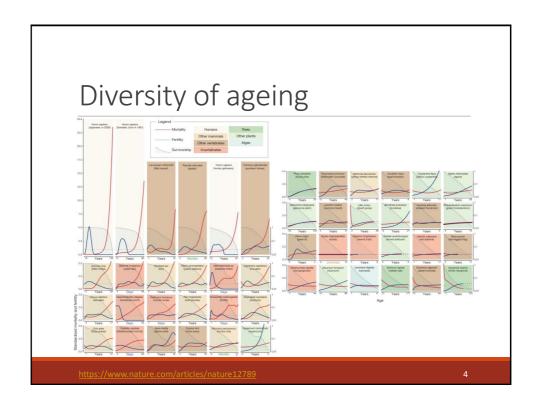
Good visualization design is

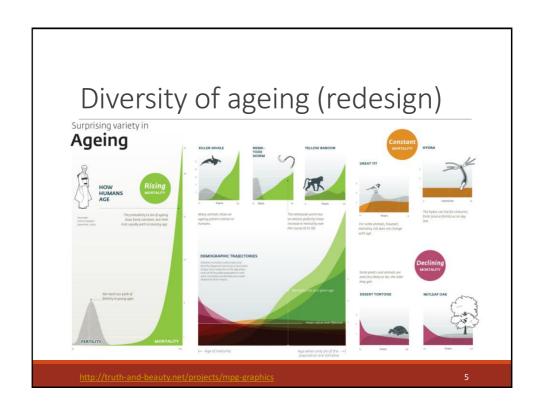
- 1. Trustworthy
- 2. Accessible
- 3. Elegant

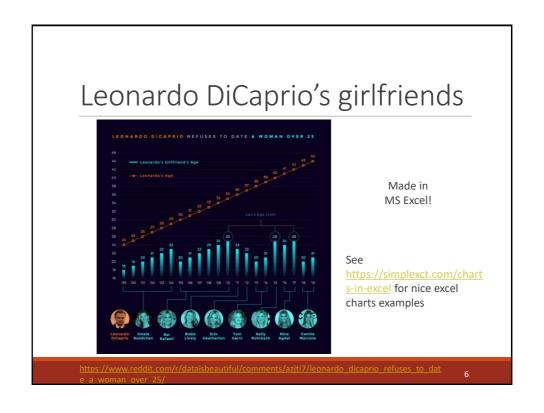
A. Kirk. Data Visualization, SAGE Publications, 2016.

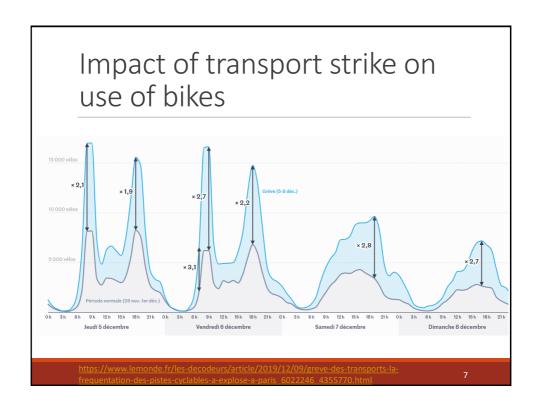
2

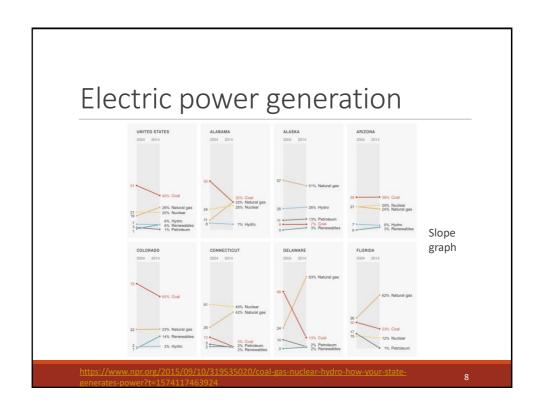




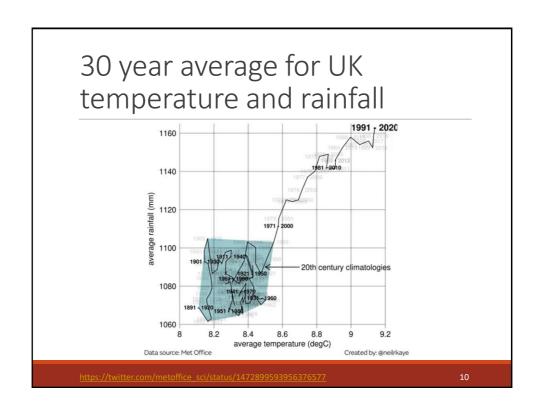


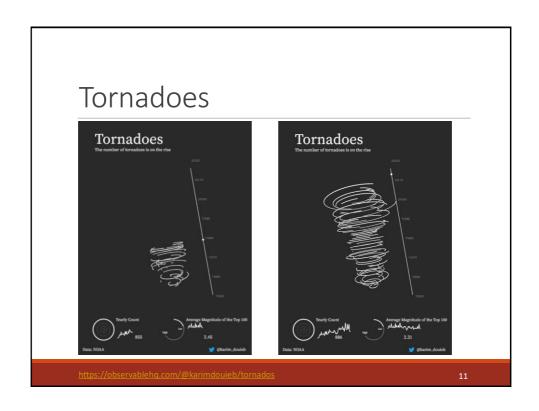


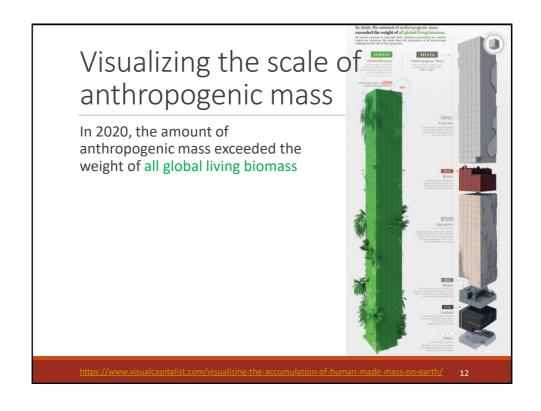




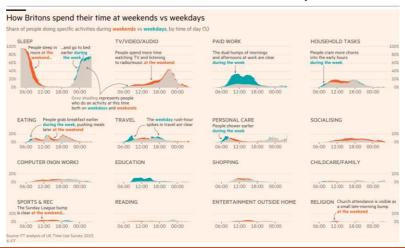








How Britons spend their time at weekends vs weekdays



https://www.ft.com/content/085749dc-3cac-11ea-b232-000f4477fbc

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Alt text

Alt text = alternative text

Written descriptions added to images that convey the meaning of the image

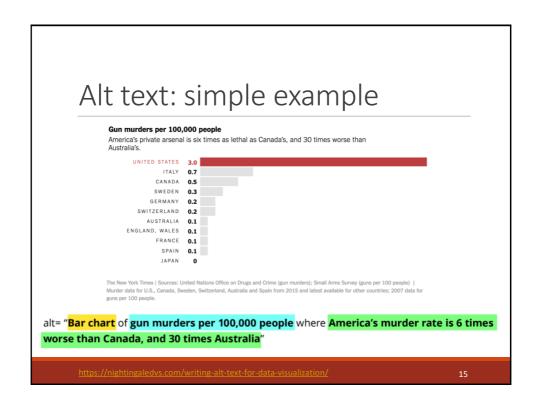
Helpful for people who use screen readers (often have a vision impairment)

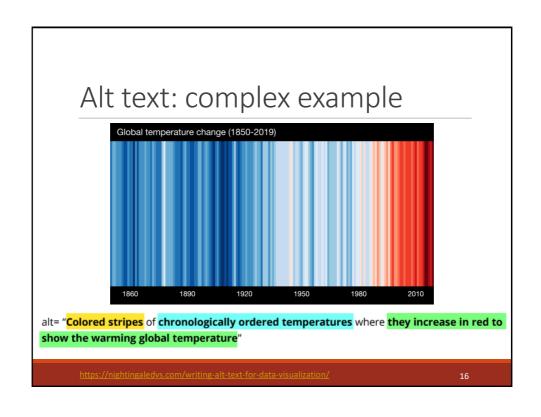
alt= "Chart type of type of data where reason for including chart"

Include a **link to data source** somewhere in the text

https://nightingaledvs.com/writing-alt-text-for-data-visualization/

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To achieve accessibility

General guidelines

- o Keep in mind
 - The audience
 - The presentation format
 - o The specifics of the data
 - o The message
- Strive for clarity, minimize clutter
- Take into account human visual processing abilities
 - Careful choice of colors
 - Use annotation, informative titles
- Ouse uncommon charts only if they are "worth it"

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To achieve accessibility

Design process guidelines

- Try different visualizations
- Show your visualizations to a friend—are they able to get to the message?

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