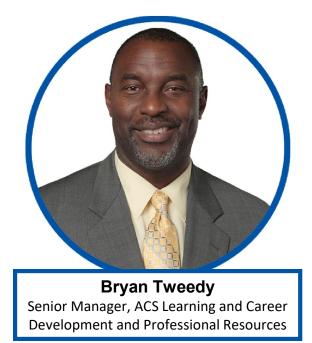




1

Better Communication in the Digital Age





Presentation slides are available now! Recordings are an exclusive ACS member benefit. www.acs.org/acswebinars

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BETTER COMMUNICATION IN THE DIGITAL AGE

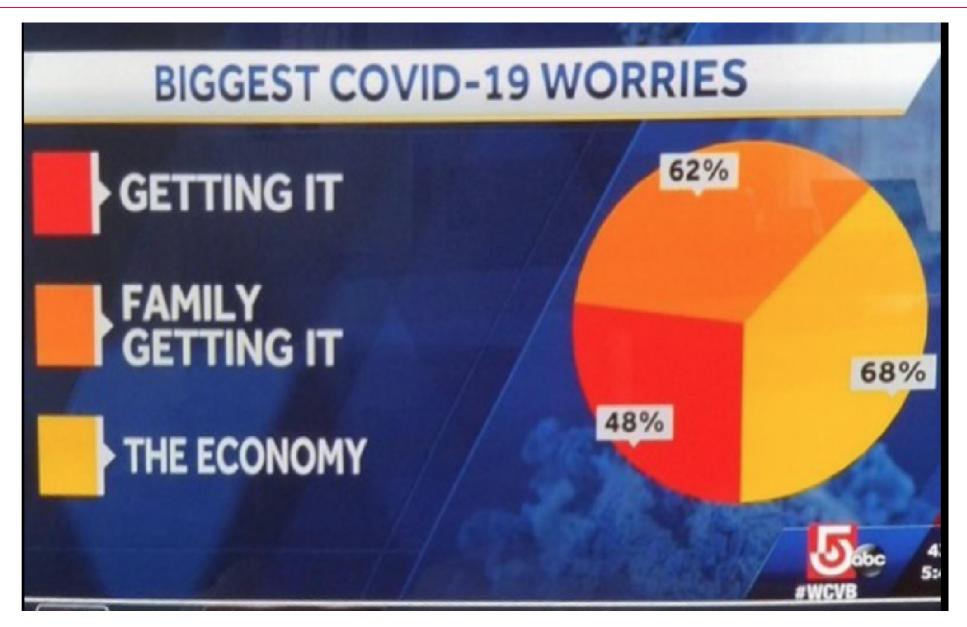
MARK JONES

EXECUTIVE EXTERNAL STRATEGY AND COMMUNICATIONS FELLOW THE DOW CHEMICAL COMPANY

29 April 2020

DATA PRESENTATION OF CURRENT EVENTS







COMMUNICATION IS FOR YOUR AUDIENCE









any communication Designing a presentation without an audience in mind is like writing a love letter and addressing it 'to whom it may concern'.

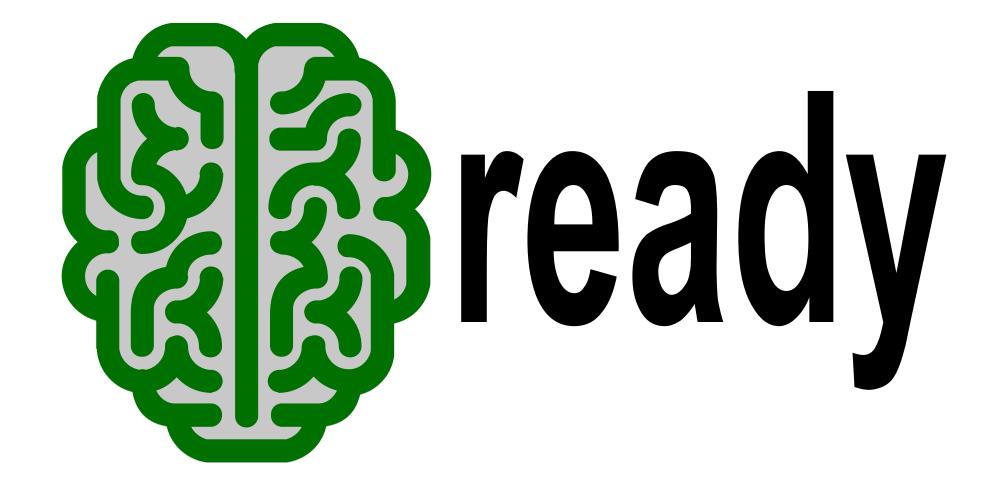
Ken Haemer Presentation Research Manager, AT&T

in HBR Guide to Persuasive Presentations











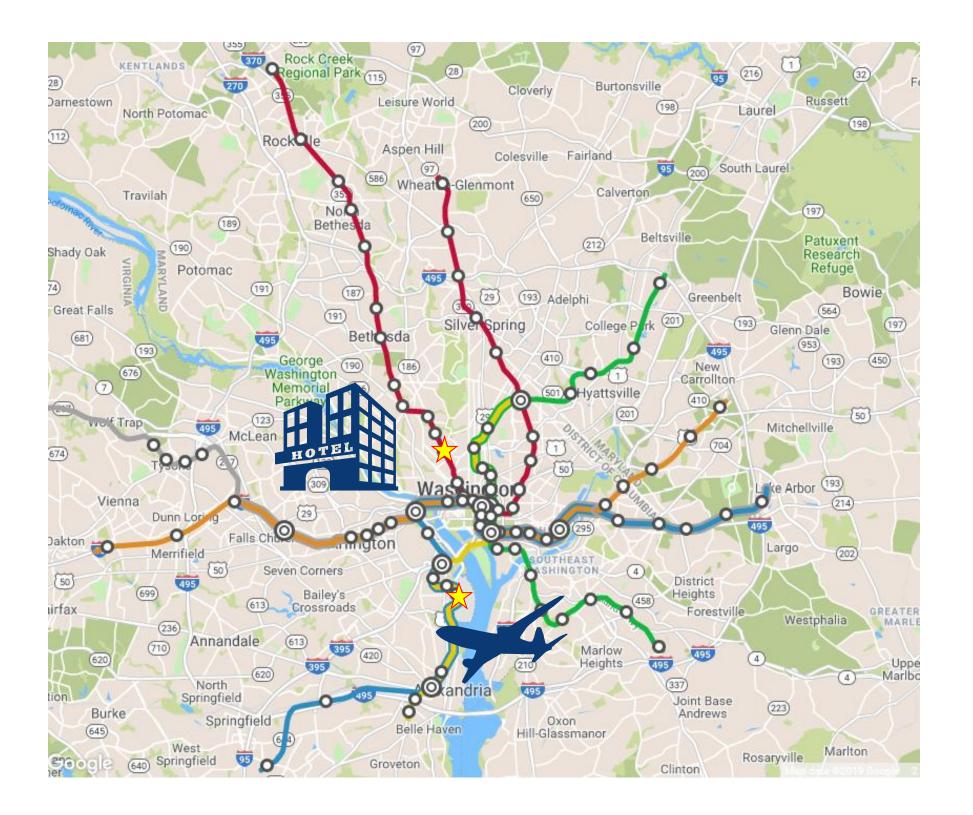




Reagan National Airport

Marriott Woodley Park





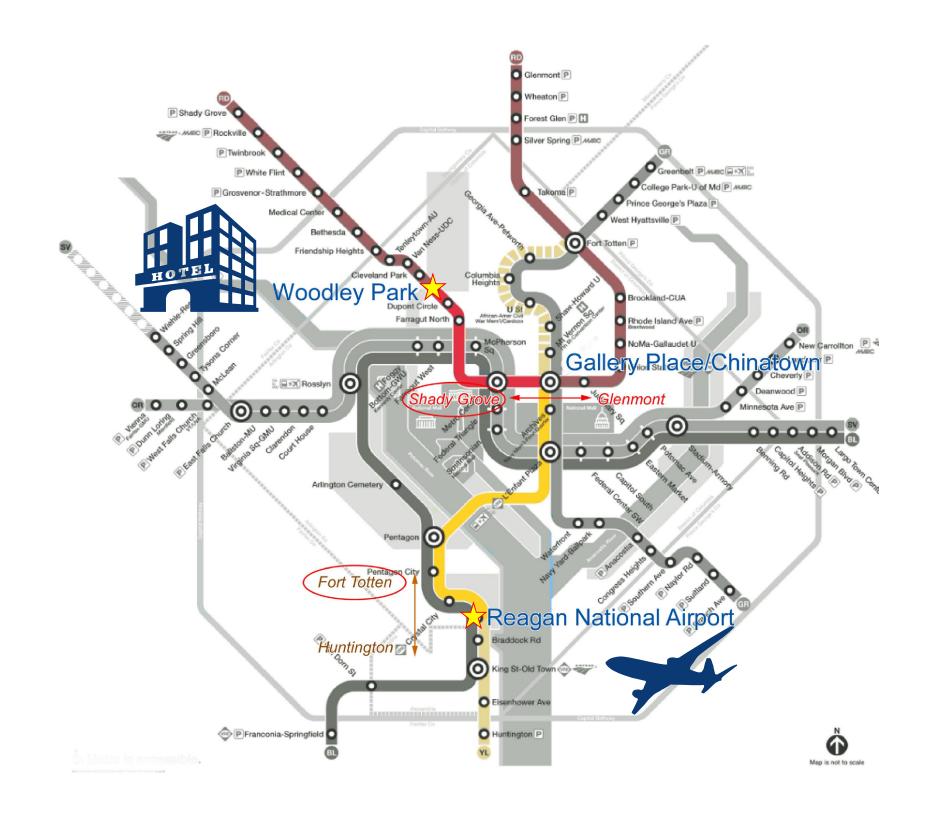


















• Tell the truth

• Get to the point

· Pick the right tool

•Highlight what is important

Everything should be made as simple as possible, but not simpler.

·Keep it singet appropriate



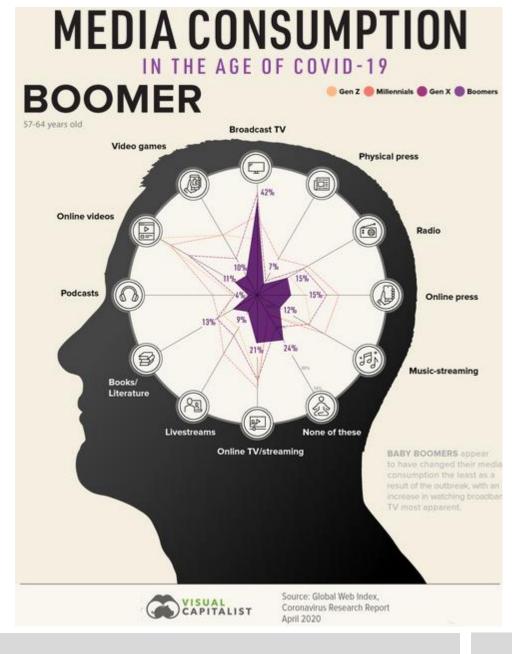
Nancy Duarte in Slideology



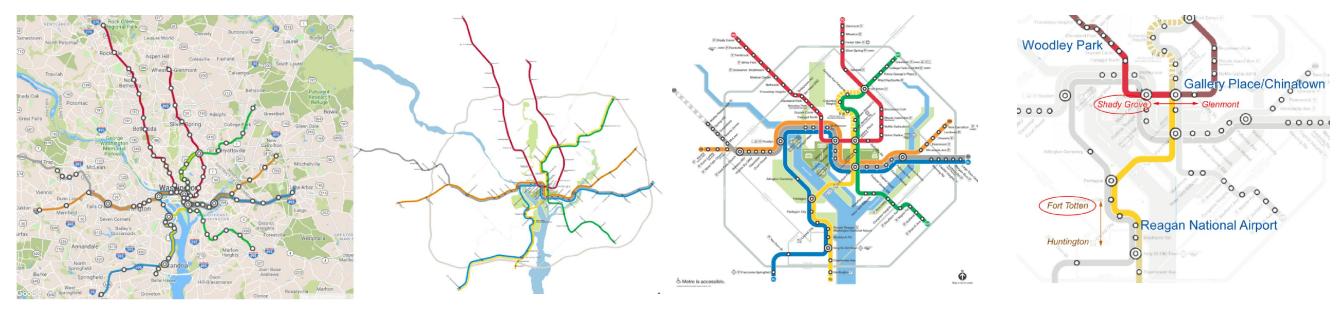
EDWARD TUFTE'S FIVE PRINCIPLES OF DATA PRESENTATION



- 1. Above all else show the data
- 2. Maximize the data-ink ratio
- 3. Erase non-data ink
- 4. Erase redundant data
- 5. Revise and Edit.

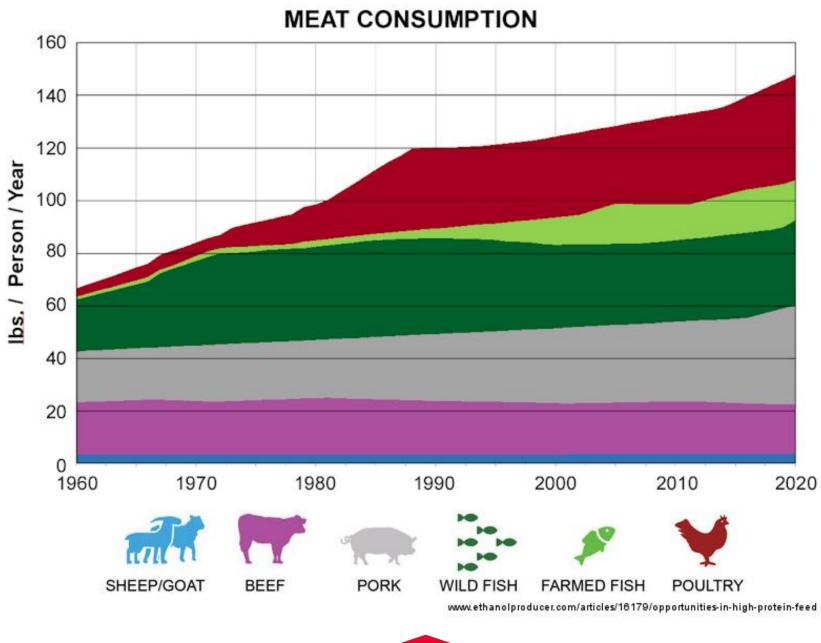






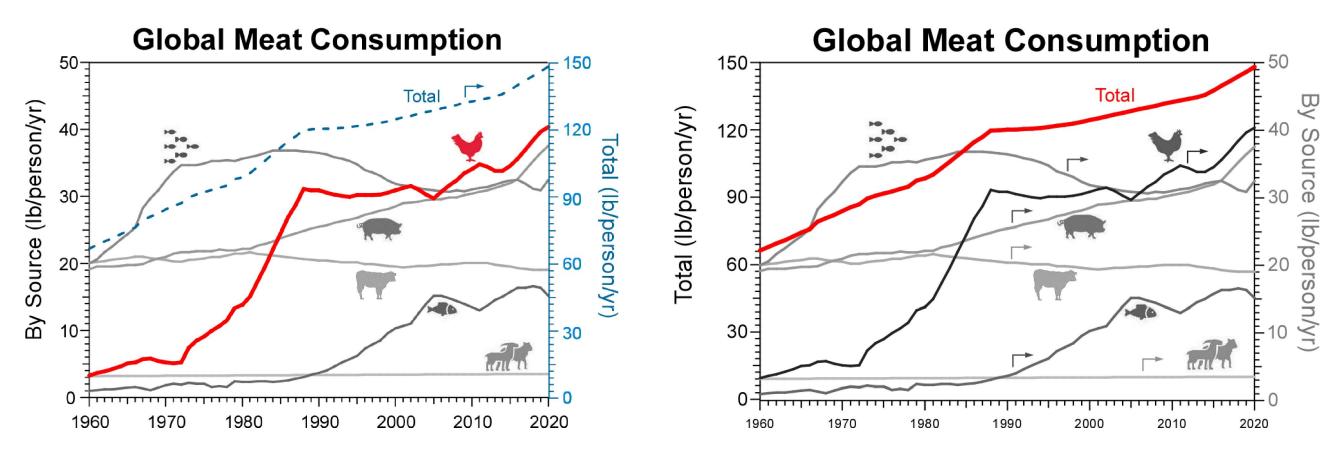












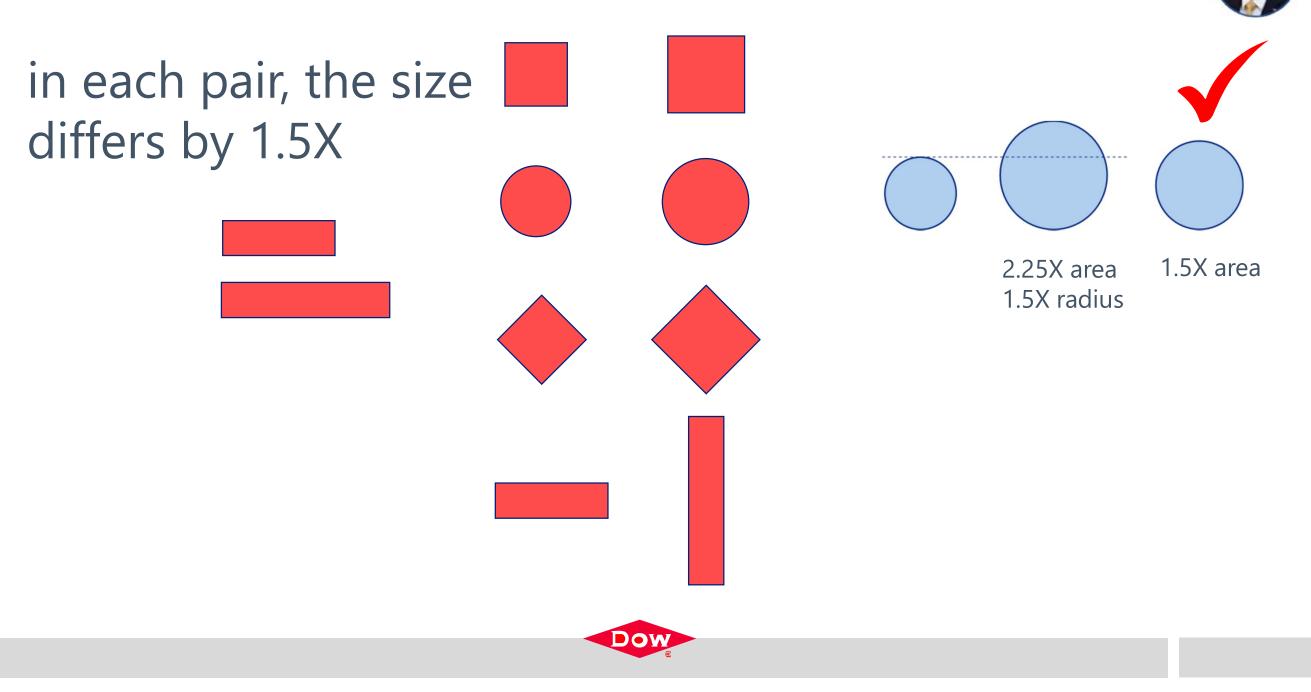








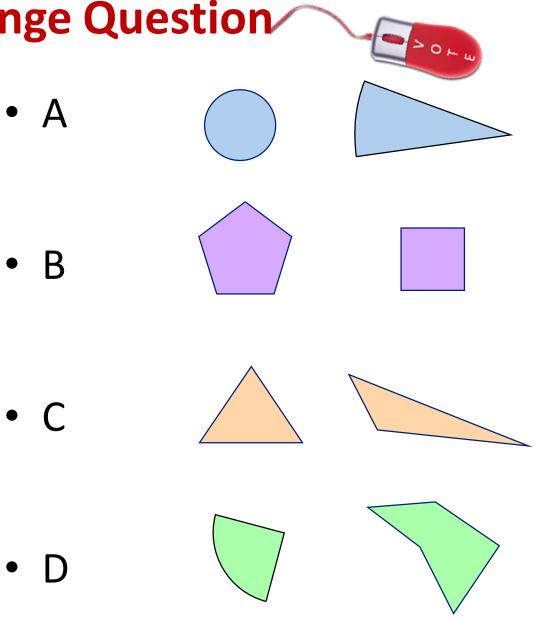
PERCEPTION





Audience Challenge Question

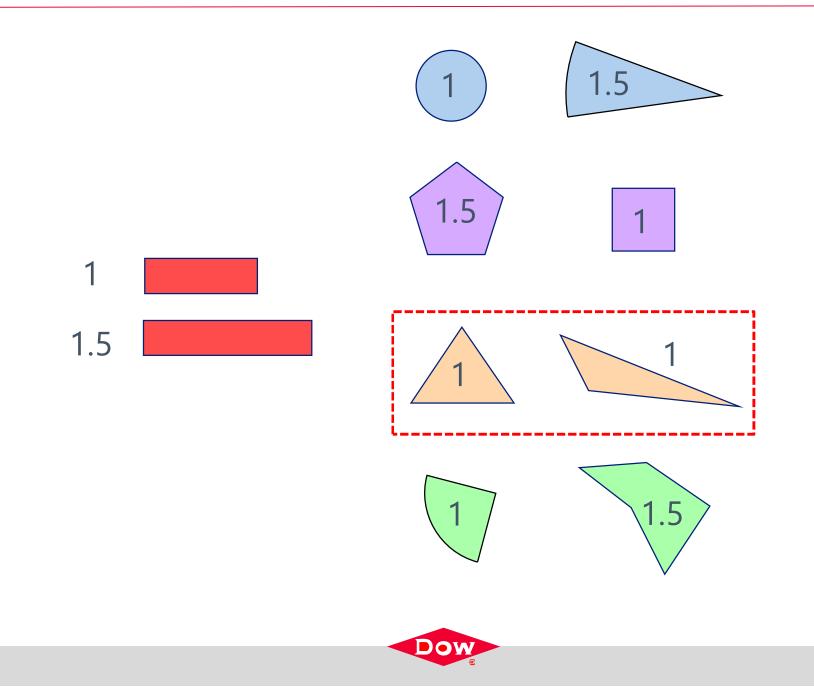
Each group contains one shape that is 1.5 times bigger than the other, except one. Which one?





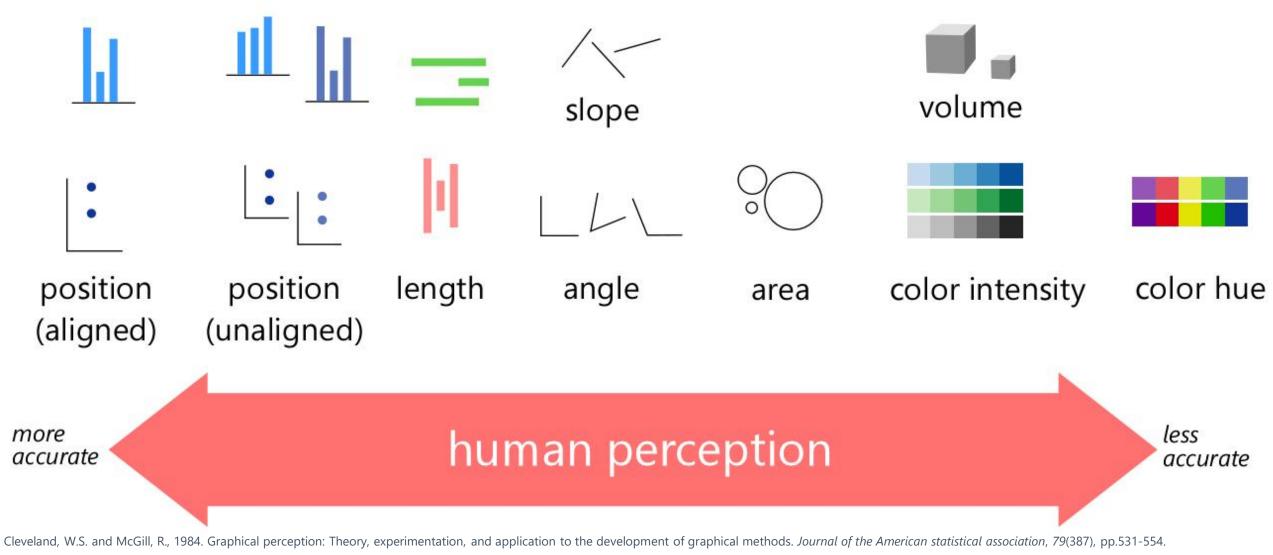
AREA PERCEPTION





HUMAN PERCEPTION



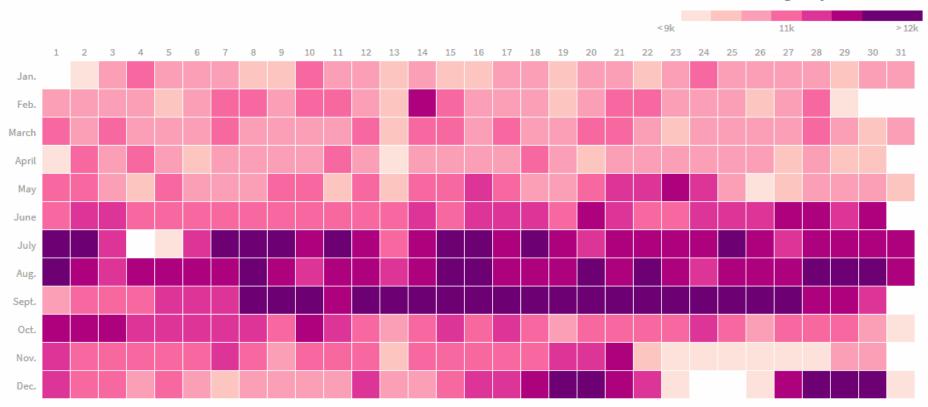






HOW POPULAR IS YOUR BIRTHDAY?

Two decades of American birthdays, averaged by month and day.



Notes: The conception date, purely for illustration, is 266 days prior to birth. It represents a hypothetical "moment of conception" based on the normal gestation period for humans, 280 days, minus the average time for ovulation, two weeks.

Data: U.S. National Center for Health Statistics (1994-2003); U.S. Social Security Administration (2004-2014) - via FiveThirthyEight

Credit: Matt Stiles/The Daily Viz

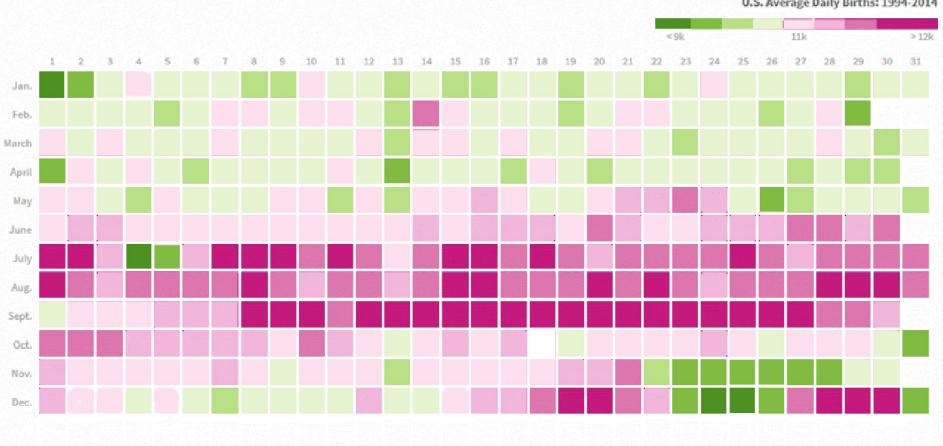




U.S. Average Daily Births: 1994-2014

HOW POPULAR IS YOUR BIRTHDAY?

Two decades of American birthdays, averaged by month and day.



U.S. Average Daily Births: 1994-2014

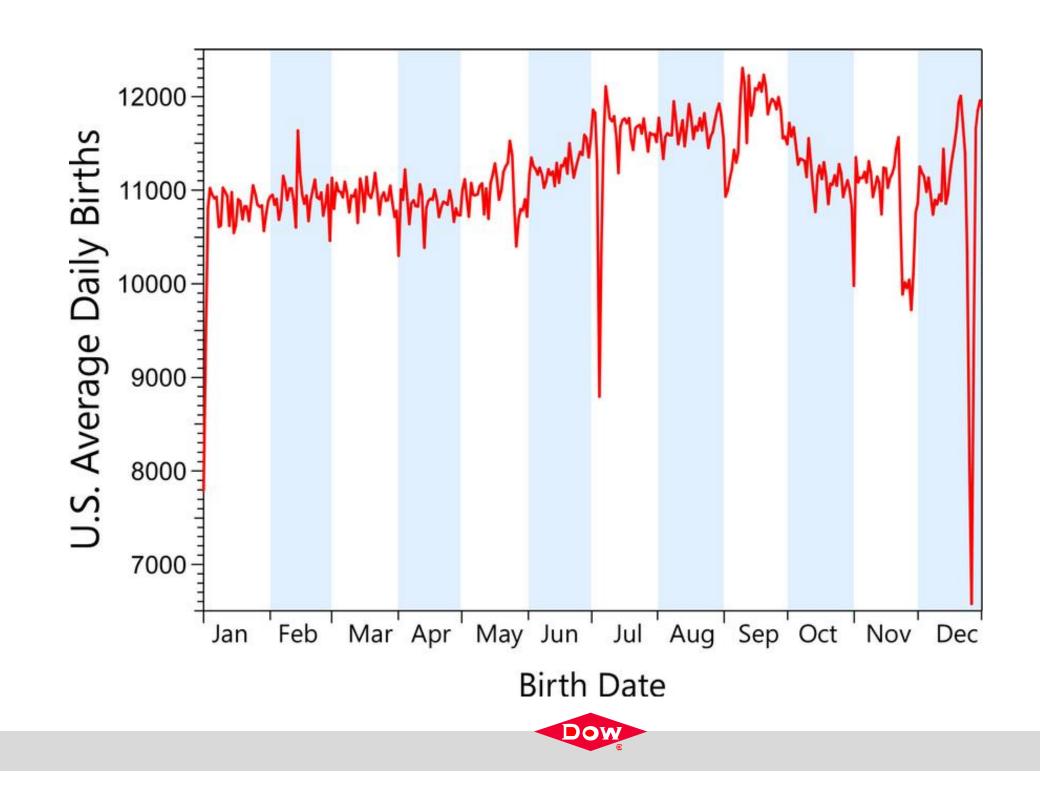
Notes: The conception date, purely for illustration, is 266 days prior to birth. It represents a hypothetical "moment of conception" based on the normal gestation period for humans, 280 days, minus the average time for ovulation, two weeks.

Data: U.S. National Center for Health Statistics (1994-2003); U.S. Social Security Administration (2004-2014) - via FiveThirthyEight

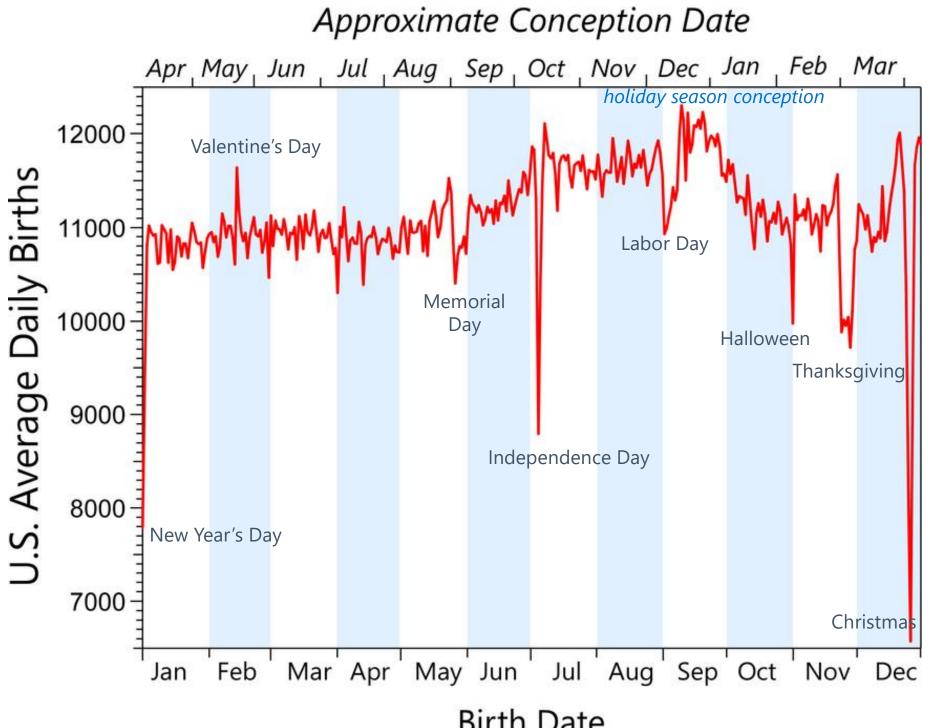
Credit: Matt Stiles/The Daily Viz









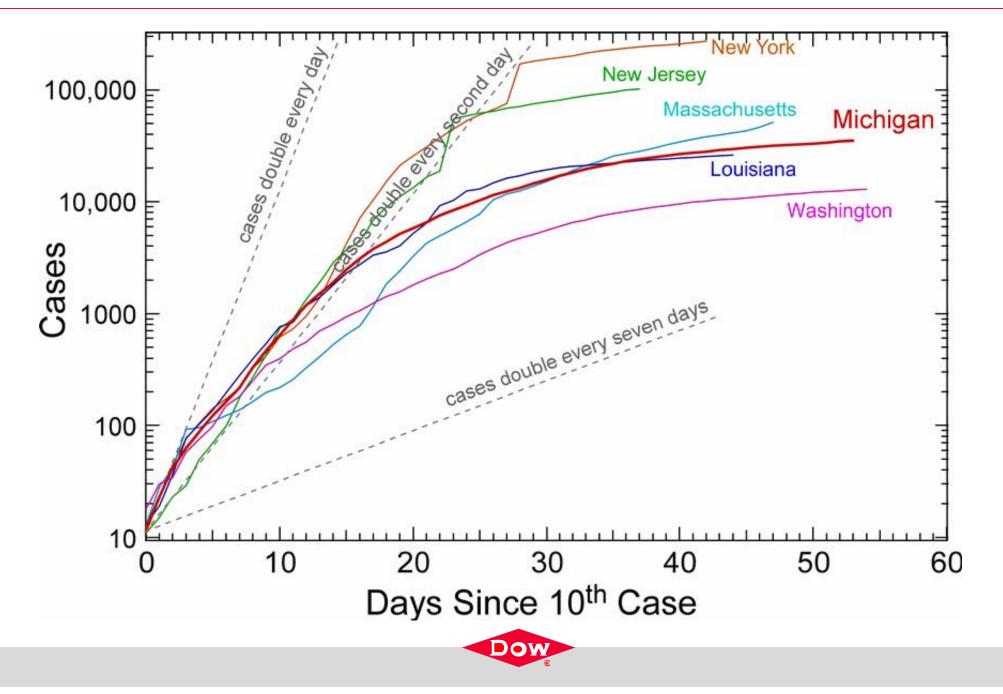




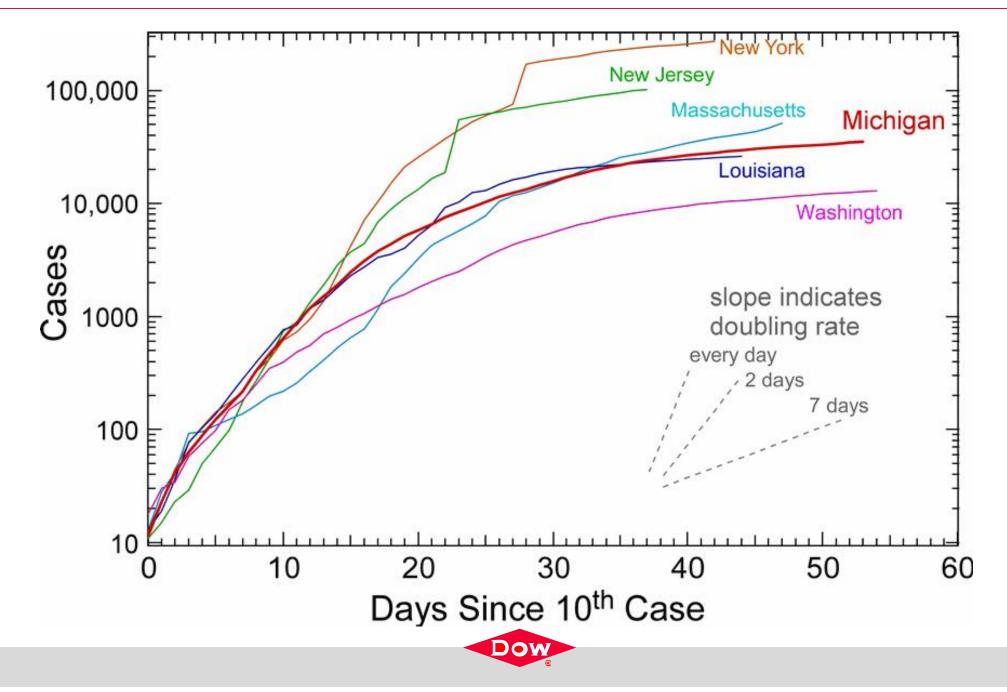


Birth Date

COVID-19 CASES – LOG PLOT

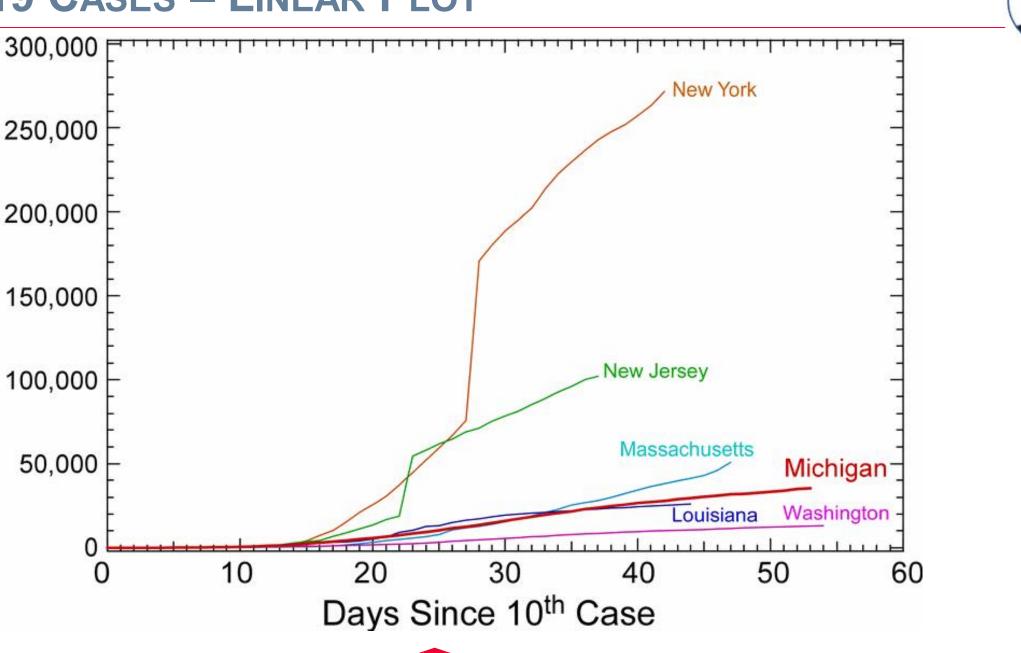


COVID-19 CASES – LOG PLOT

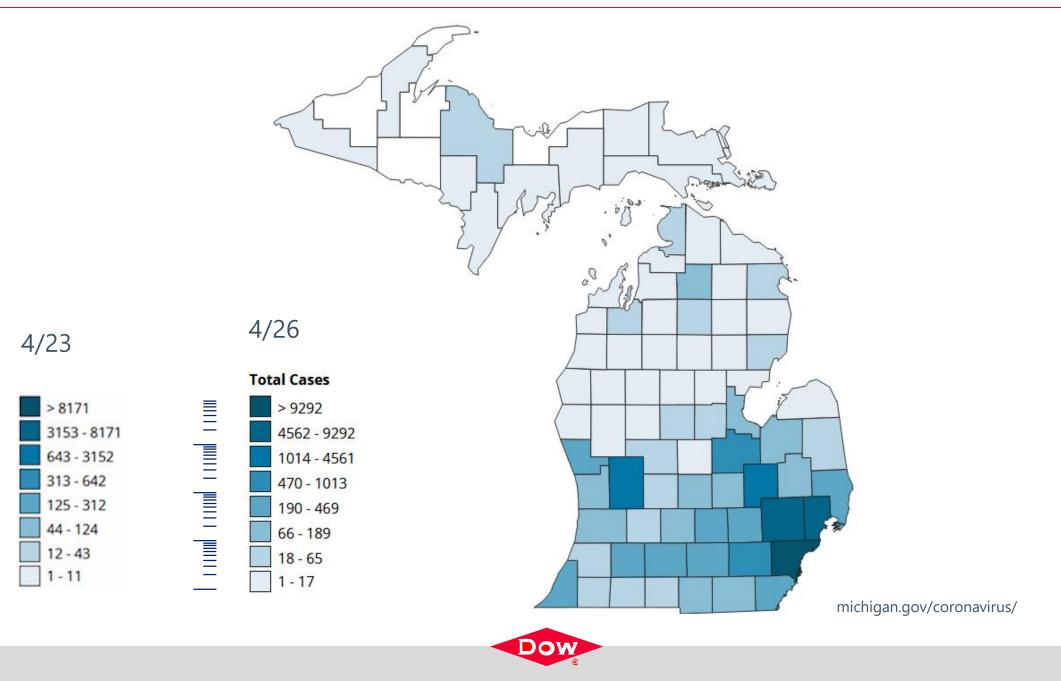


COVID-19 CASES – LINEAR PLOT

Cases



Dow

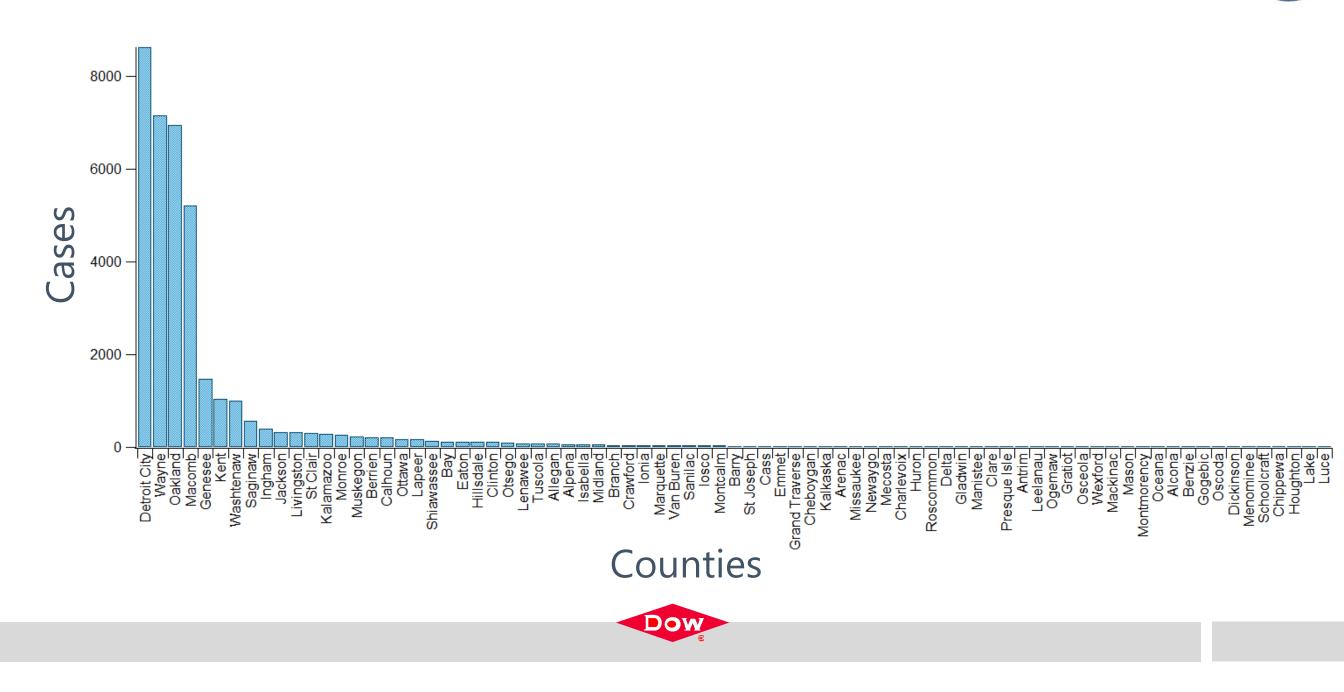


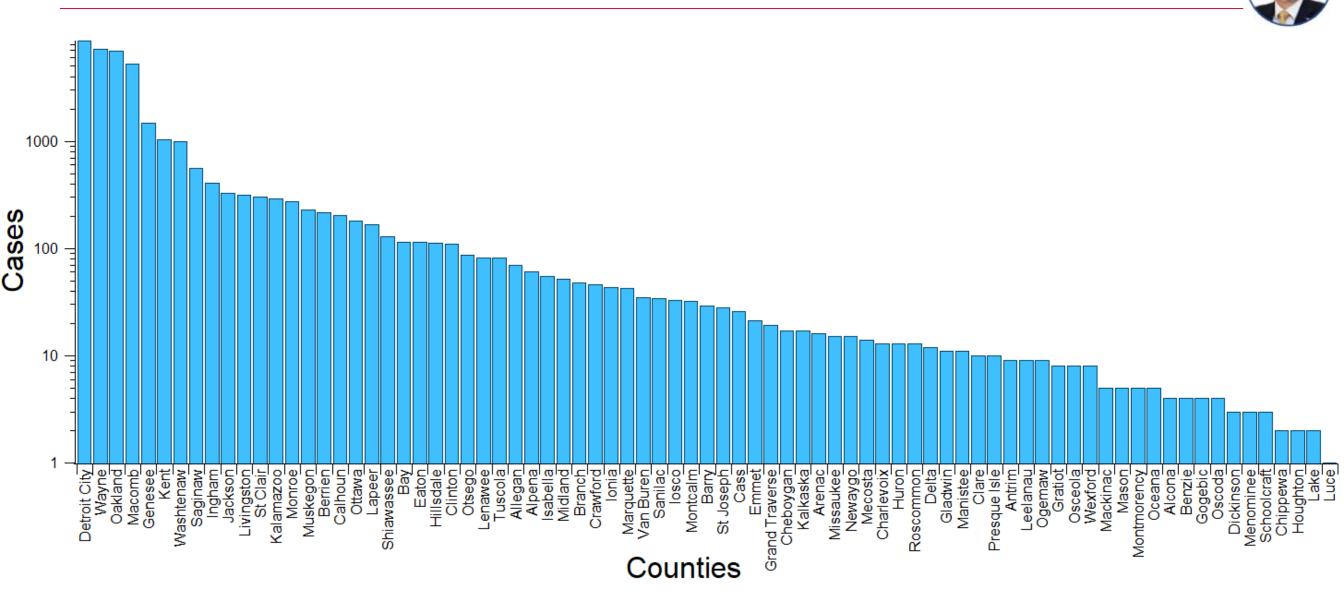




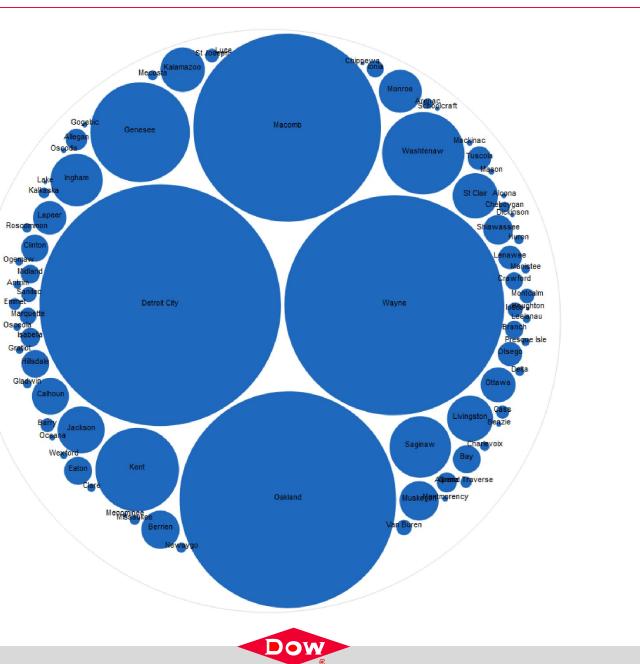






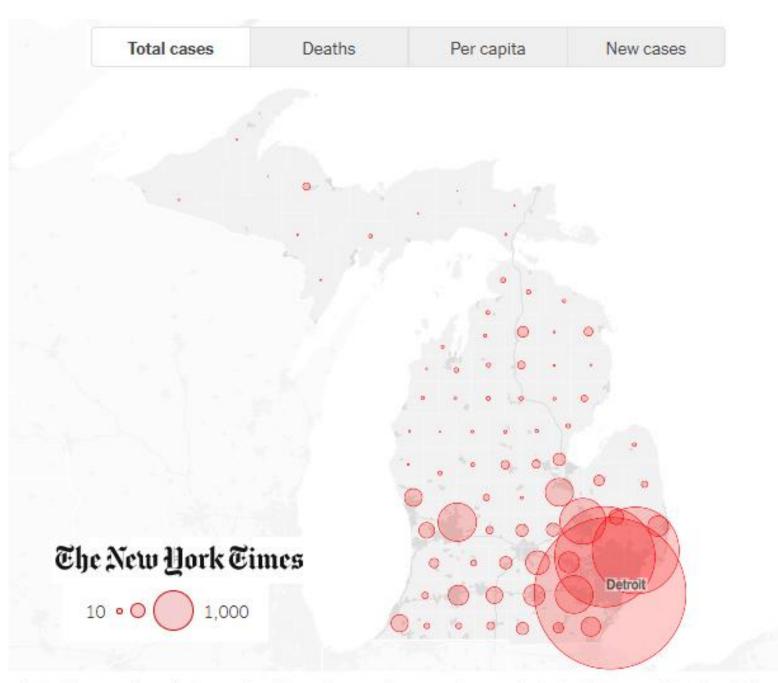








RAWGraphs

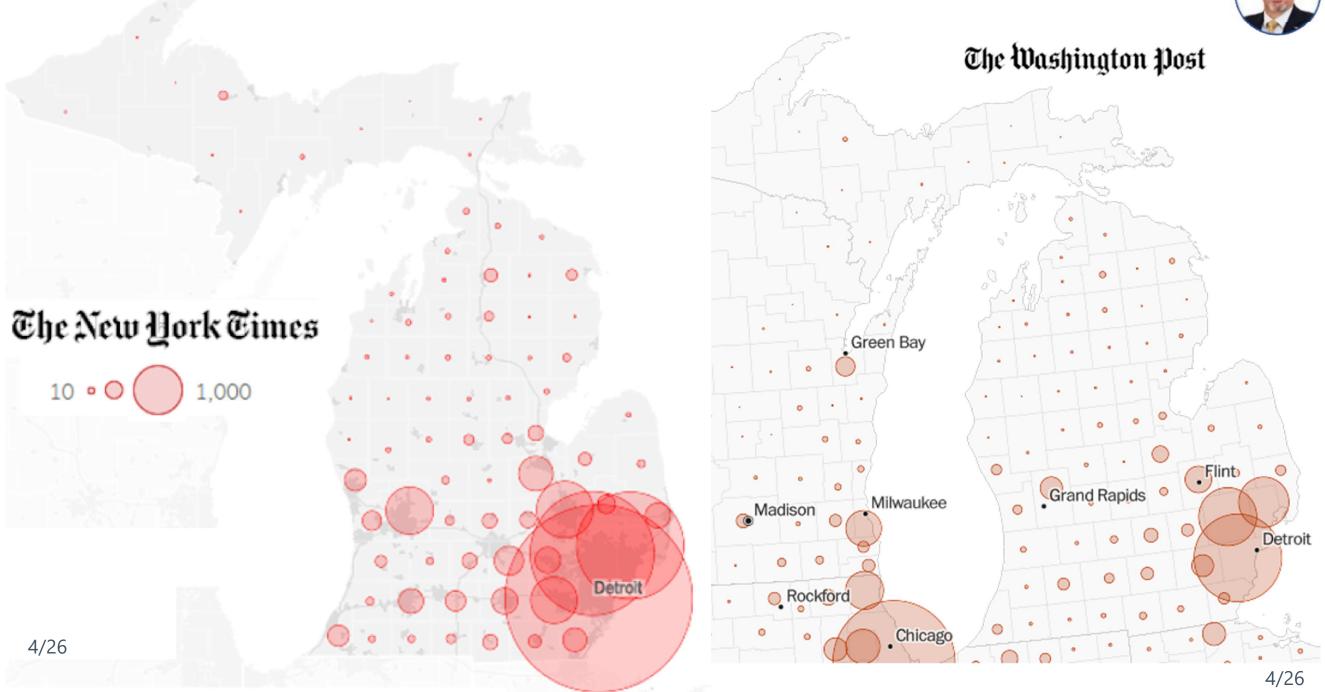




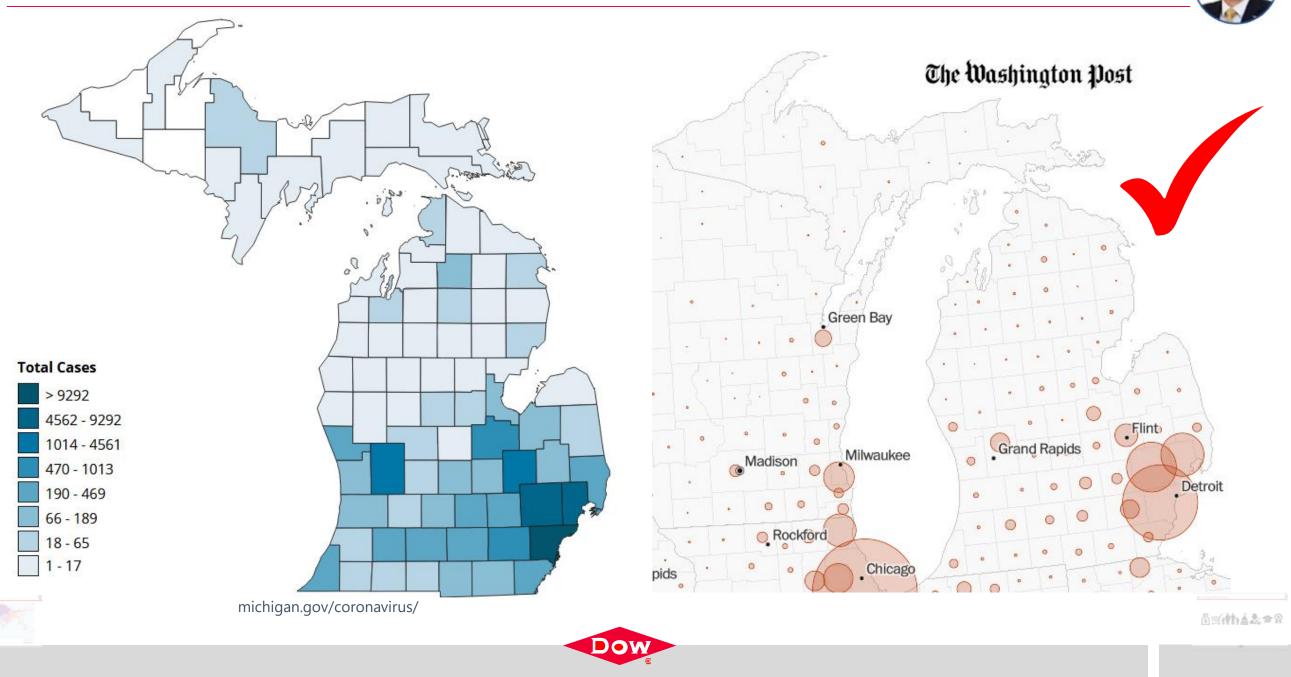


Note: The map shows the known locations of coronavirus cases by county. For total cases and deaths: Circles are sized by the number of people there who have tested positive, which may differ from where they contracted the illness. For new cases: Doubling time is calculated for the last week of cases. Sources: State and local health agencies and hospitals.



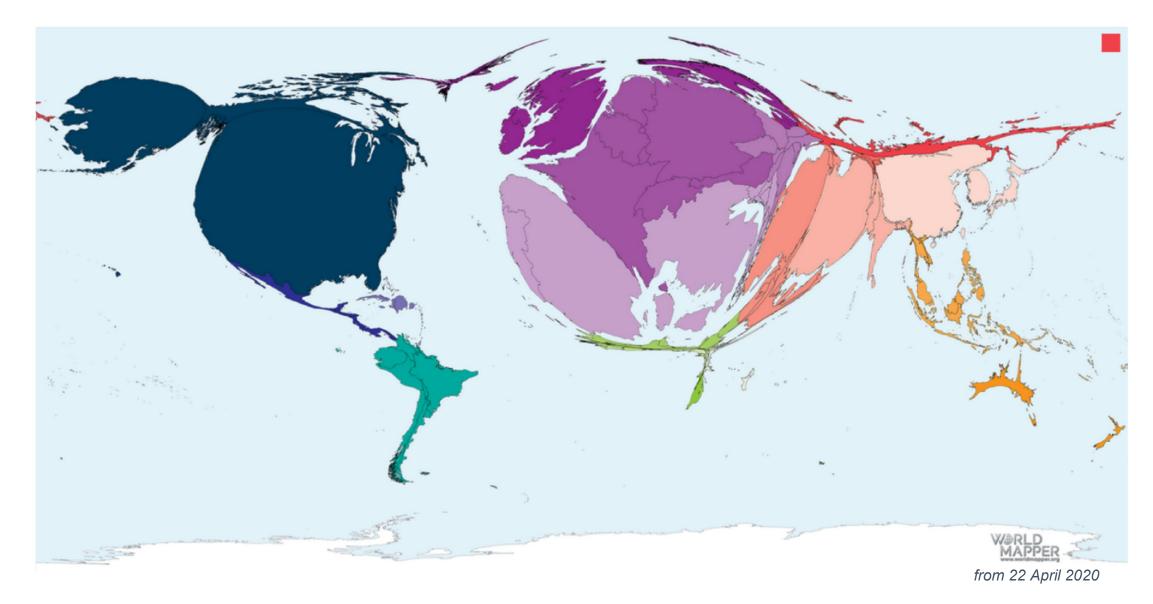


MICHIGAN CORONAVIRUS CASES



COVID-19/CORONAVIRUS CASES





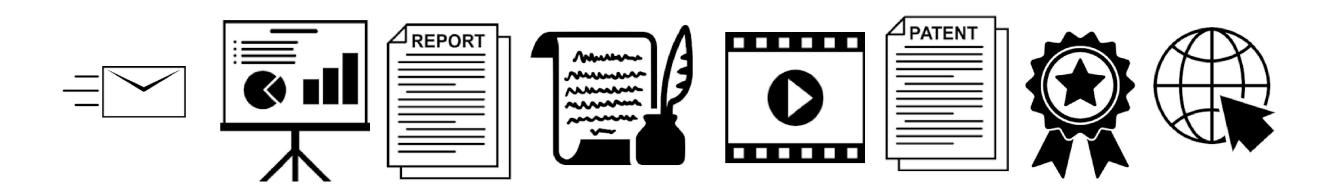


COMMUNICATION: DIFFERENT AUDIENCES





COMMUNICATION: DIFFERENT TOOLS





COMMUNICATION HIERARCHY















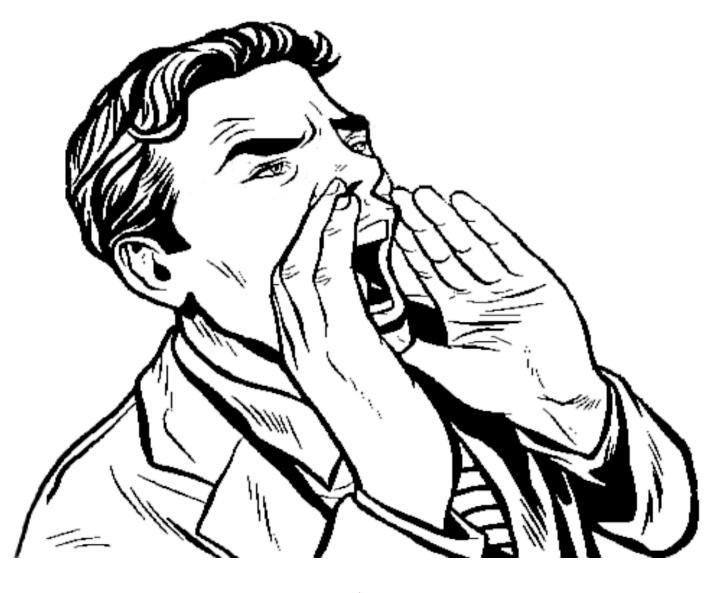
Audience Challenge Question

What should you assume as you send an email?

- it is a secure way to communicate and all contents will be viewed only by the intended recipient
- the content will be yelled in the hallway for all to hear
- spelling and formatting are a waste of time and prompt response is most important
- it will be ignored and will disappear without a trace



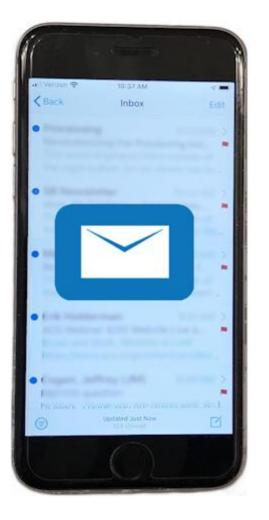
WHAT YOU SHOULD ASSUME WHEN SENDING EMAIL





EMAIL'S FLAWS



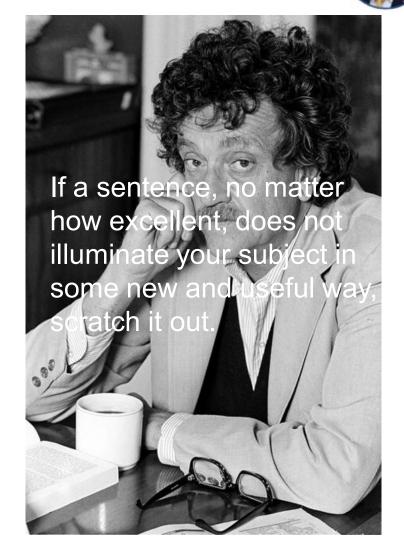


- You can't assume only the reader will see it.
- You can't assume all of any message will be read.
 - Spam filters aren't reliable.
 - Too much email!
- Over-analysis is possible, even likely.
- Autocorrect and spelling checkers.
 - Madan \rightarrow Madman
 - attempt at inconsistency \rightarrow incontinence



VONNEGUT'S HOW TO WRITE WITH STYLE*

- Do not ramble
- Keep it simple
- edit Have the guts to cut
 - Sound like yourself
 - Say what you mean to say
 - Read Strunk and White



* excerpted

from chicagotribune.com attributed to Marty Reichenthal, AP



DAVID OGILVY'S 10 WRITING HINTS



- 1. Read the Writing That Works. Read it three times.
- 2. Write the way you talk. Naturally.
- **3.** Use short words, short sentences and short paragraphs.
- 4. Never use jargon words like reconceptualize, demassification, attitudinally, judgmentally. They are hallmarks of a pretentious ass.
- 5. Never write more than two pages on any subject.
- 6. Check your quotations.
- Never send *an important email* on the day you write it. Read it aloud the 7. next morning —and then edit it.
- edit edit 8. If it is something important, get a colleague to improve it.
 - 9. Before you send your *email*, make sure it is crystal clear what you want the recipient to do.

10. If you want ACTION, don't write. Go and tell the guy what you want.



edit



• Make the subject line helpful.

- Include a greeting.
- Immediately state why you sent the email and what, if any action, it requests.
- Write clearly. Write well.
- Carefully consider recipients.
- Be professional at all times.
- Proofread.
- If it is important, pause before you send.

EFFECTIVE EMAIL















Chest CT imaging of COVID-19 patients demonstrates common imaging abnormalities, even in asymptomatic patients, with rapid evolution from unilateral to bilateral interstitial pneumonia.

versus

Interstitial tissue supports the air sacs, or avioli, where oxygen transport occurs in the lungs. The tissue surrounding air sacs in both lungs get irritated in bilateral interstitial pneumonia. Threedimensional X-ray techniques, commonly called CT scans, detect interstitial pneumonia, even in asymptomatic patients, and allow doctors to monitor disease progression.









- make graphics *mind ready*
- info density right for material and audience



COMMUNICATION HIERARCHY





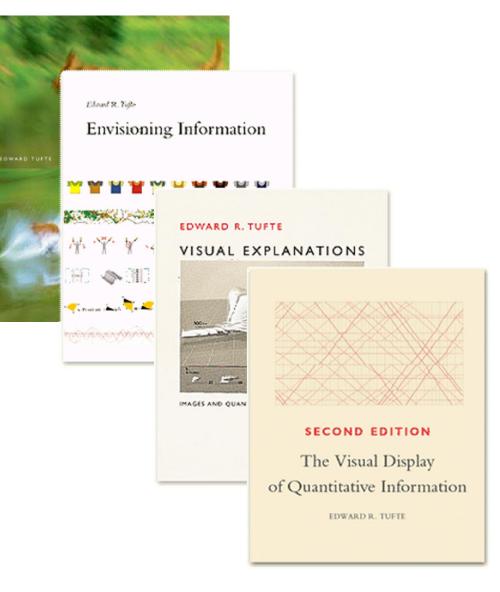


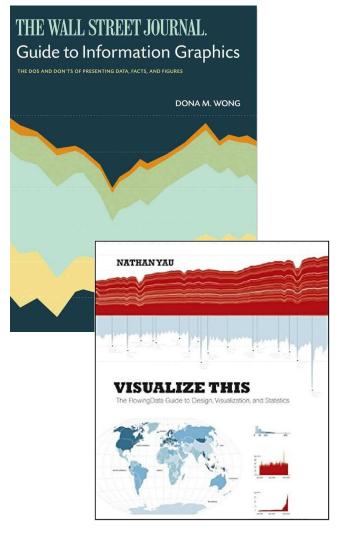




FAVORITE REFERENCES – DISPLAY OF INFORMATION





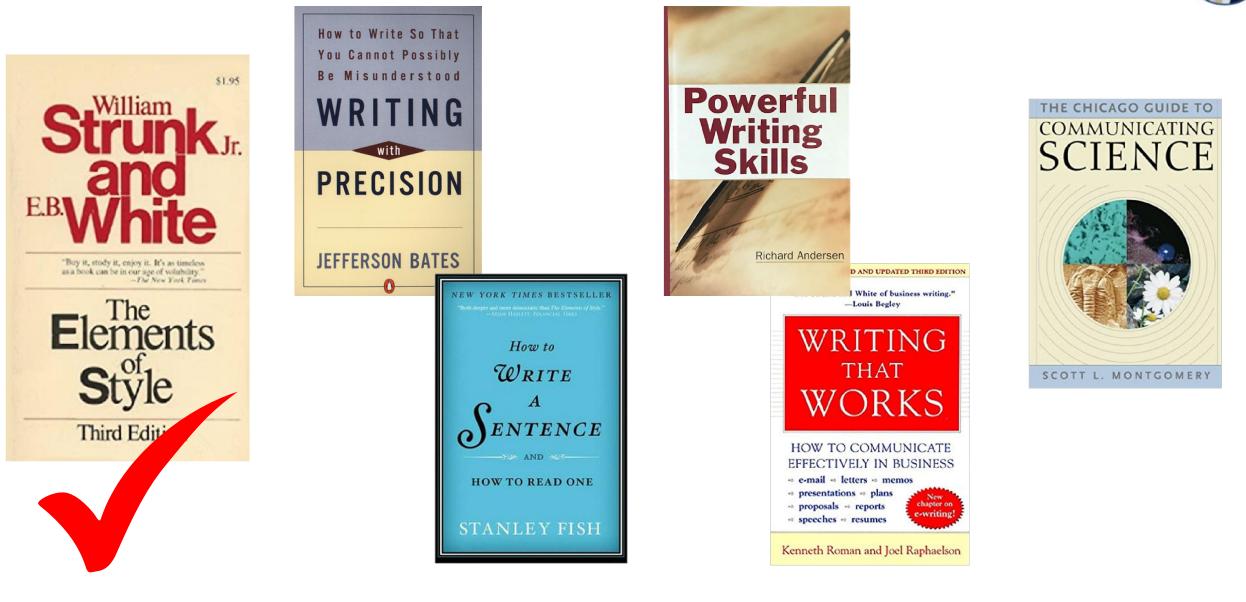


DOV

O'REILLY' Fundamentals of Data Visualization A Primer on Making Informative and Compelling Figures

FAVORITE REFERENCES - WRITING



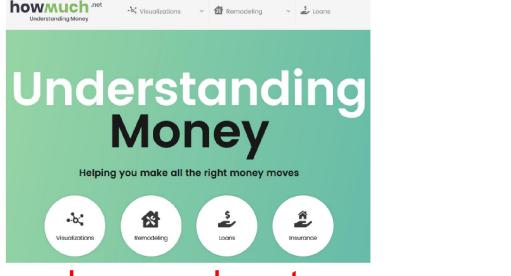


DOM

FAVORITE DATA VISUALIZATION WEBSITES - SAMPLES

Junk Charts





howmuch.net



How Oil Prices Went Subzero: Explaining the COVID-19 Oil

visualcapitalist.com

This infographic showcases the

industries that will benefit from

COVID-19 consumer spending, and





Current edition
More

Graphic detail

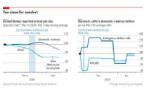
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Recycling chartjunk as junk art

Twitter

About



Daily Chart

Domestic violence has increased during coronavirus lockdowns

In American cities, reports rose after shutdowns while other crimes fell



Daily chart

Americans take an ever more negative view of China

economist.com/graphic-detail/

FAVORITE DATA VISUALIZATION WEBSITES - TOOLS





flourish.studio

Google Charts



Some additional community-contributed charts can be found on the Additional Charts page.



developers.google.com/chart/ interactive/docs/gallery



sankeymatic.com







Never give a presentation you wouldn't want to sit through.

Nancy Duarte in HBR Guide









