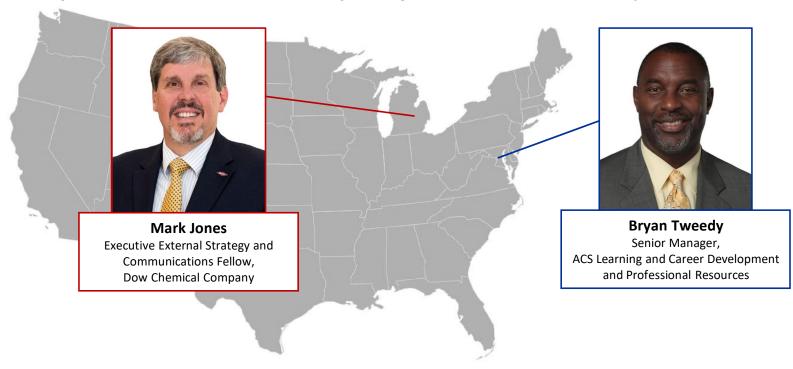


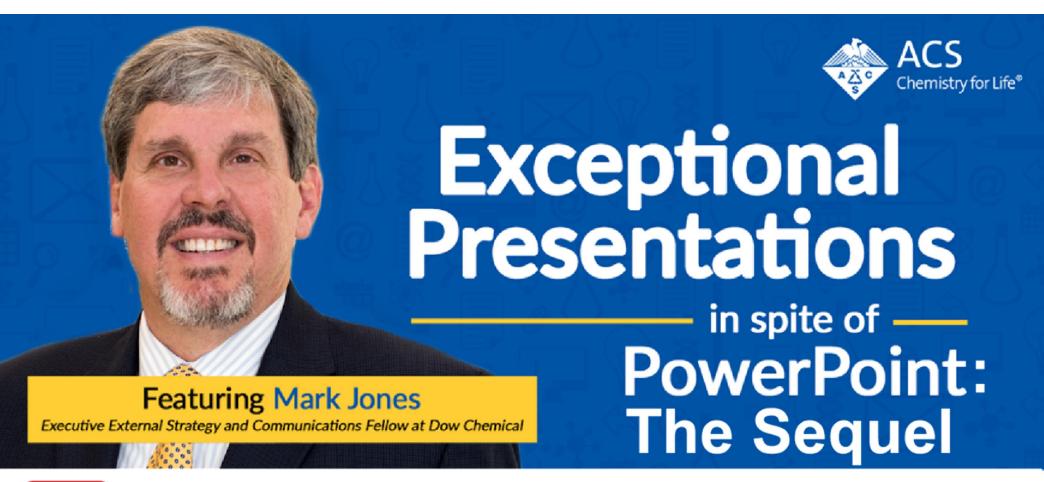


"Exceptional Presentations In Spite of PowerPoint: The Sequel"



Slides available now and an invitation to view the recording will be sent when available.

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Watch Live | Thursday, May 17 at 2pm ET

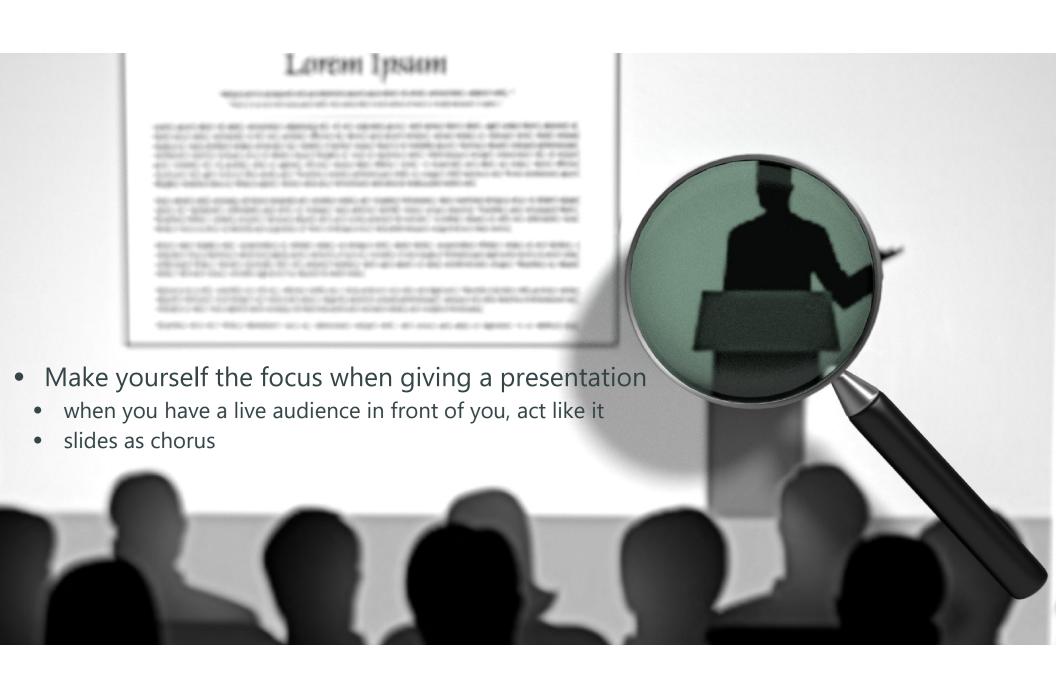














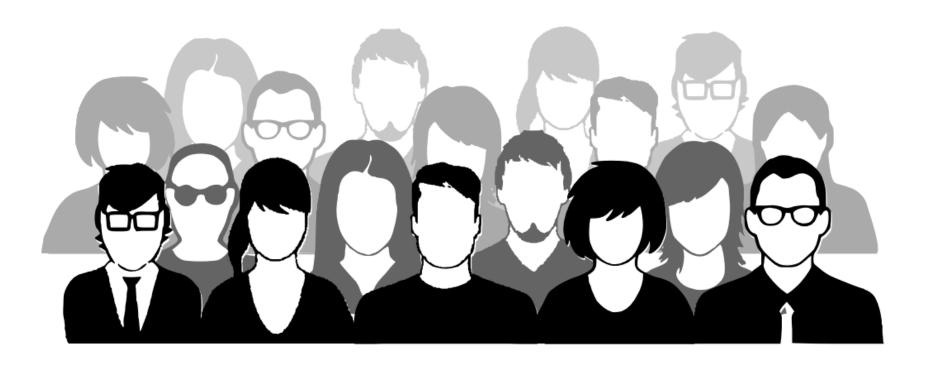


- Be prepared
 - practice





- Know your audience and craft the presentation for them
 - focus on your key message(s)









- memorable is better than forgettable
- make graphics mind ready









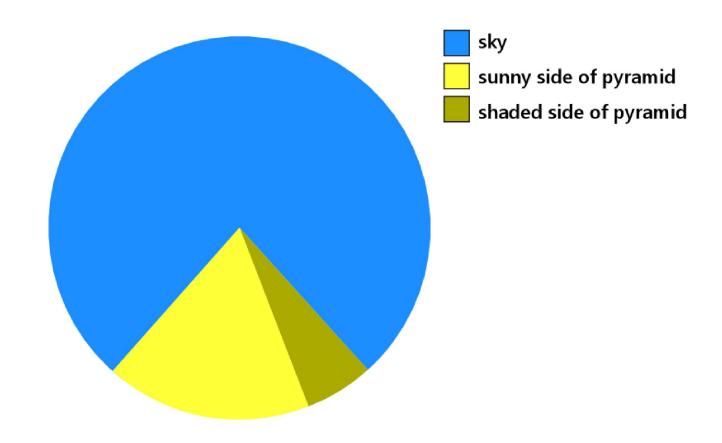


curated bad graphics



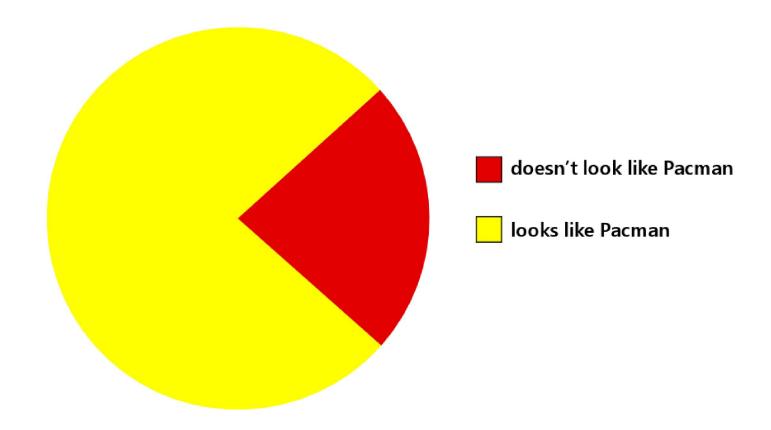














Five Principles of Data Presentation





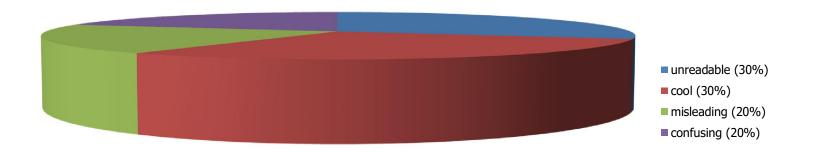
- •Tell the truth
- Get to the point
- Pick the right tool
- · Highlight what is important
- •Keep it simple appropriate

Nancy Duarte in Slideology



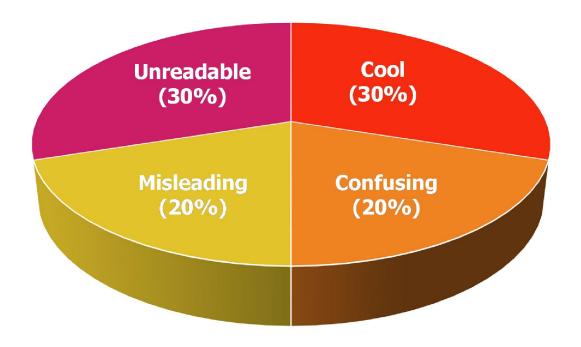


Perception of 3D Pie Charts



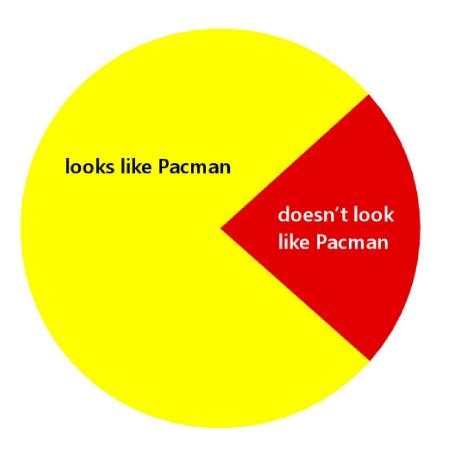








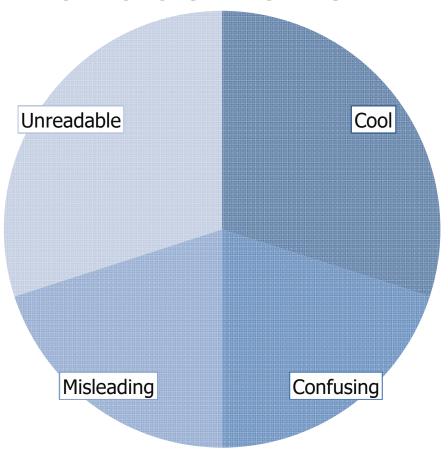








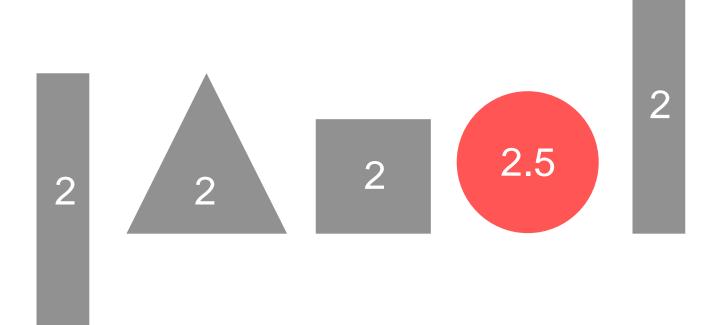
PERCEPTION OF 3D PIE CHARTS





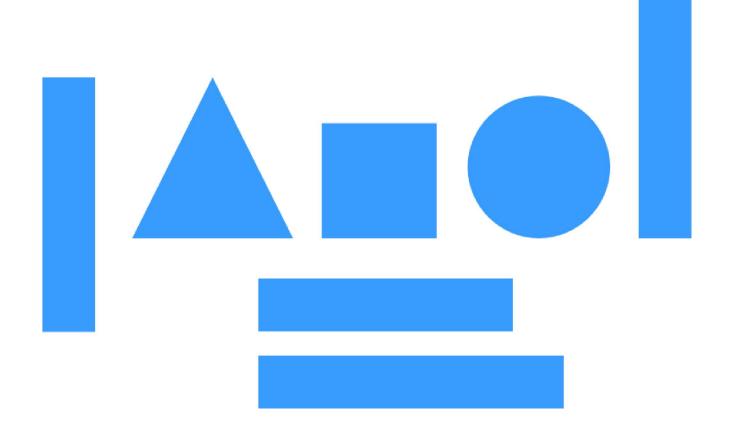
Audience Challenge Question ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT Which is bigger? Triangle Square Circle Rectangle 2 Rectangle 1





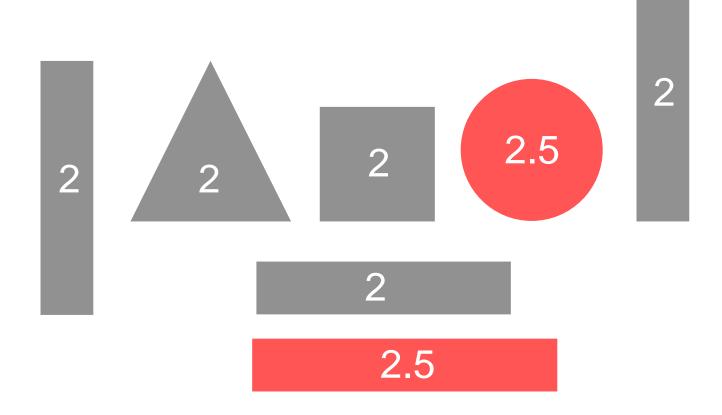






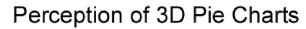


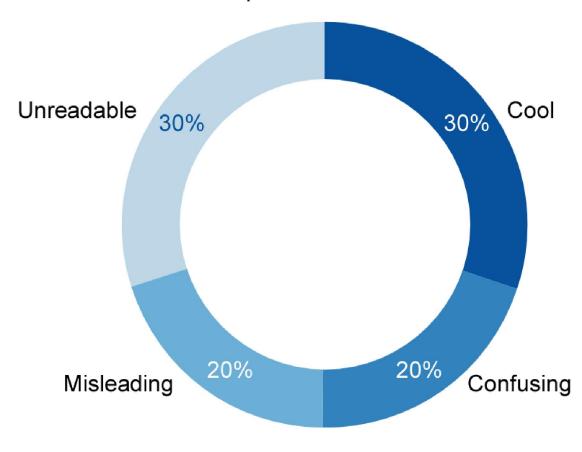




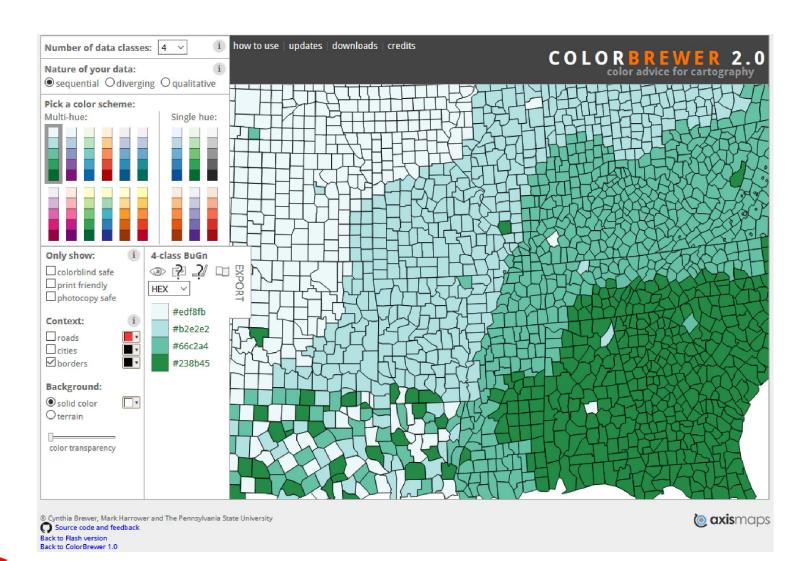








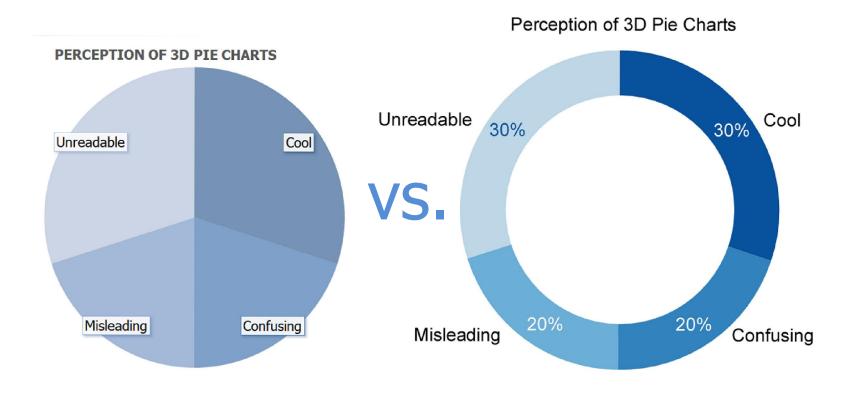








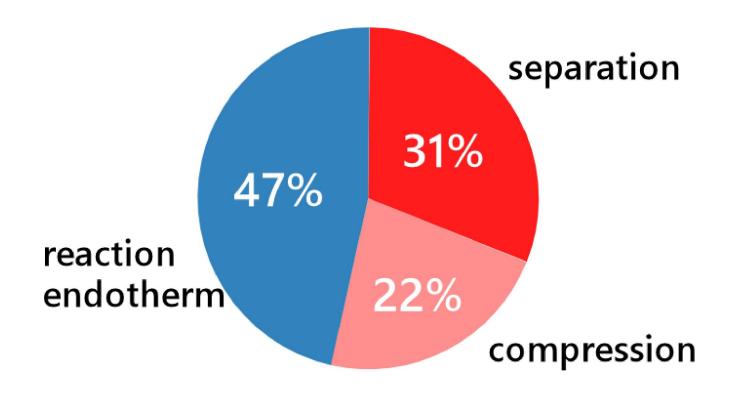






■ When Is A Pie Chart The Right Choice?







Anatomy of a Winning TED Talk



Sophisticated Visual Aids

We're not sure who puts the D in TED-most of the best presentations favor tepid PowerPoint slide shows (sorry, Brené Brown), Pictionary-quality drawings (really, Simon Sinek?), or no props at all.



Opening Joke

Remember the one about the shoe salesmen who went to Africa in the 1900s? That's how Benjamin Zander opened his talk-which turned out to be about classical music.



95%

Spontaneous Moment

Don't overprepare. Tease the guy in the front row ("You could light up a village with this guy's eyes"). Commend the stagehand who handles the human brain you brought.



5%

Statement of Utter Certainty

People come for answers—give 'em what they want, as Shawn Achor did: 'By training your brain ... we can reverse the formula for happiness and success."



12%

The TED equivalent of "I have a dream," Example: "People don't buy what you do; they buy why you do it." Repeat 7x.



23%

Personal Failure

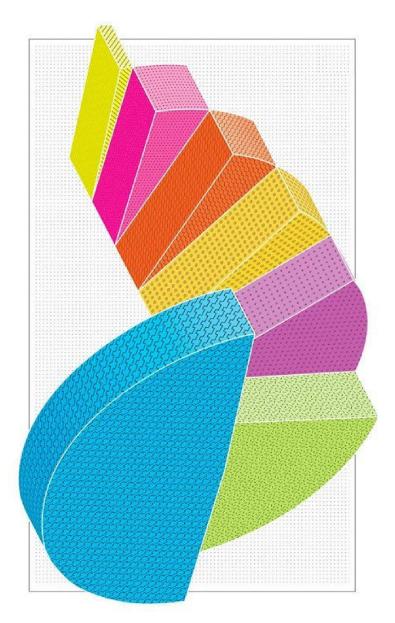
Be relatable. We want to know about that nervous breakdown. Or at least the time you didn't fit in at summer camp.



949%

Contrarian Thesis

Wait a sec-we should be playing more videogames? The more choices we have, the worse off we are? TED is where conventional wisdom goes to die.

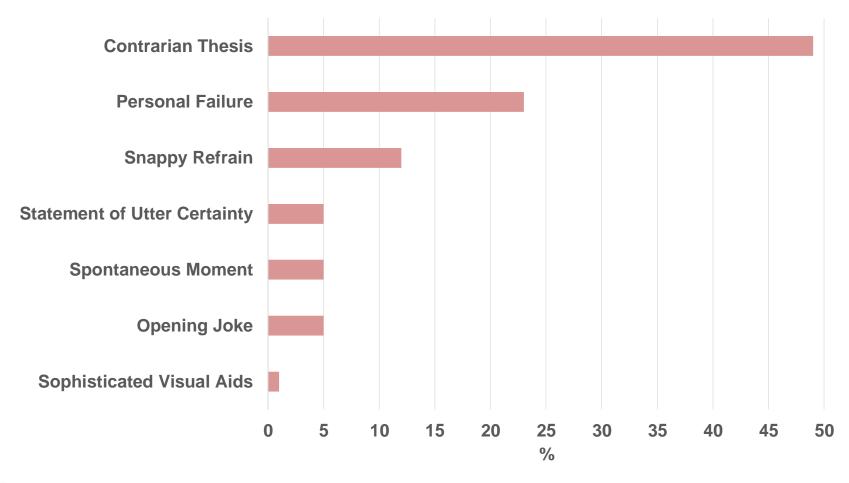




https://www.wired.com/2013/04/tedtalk/

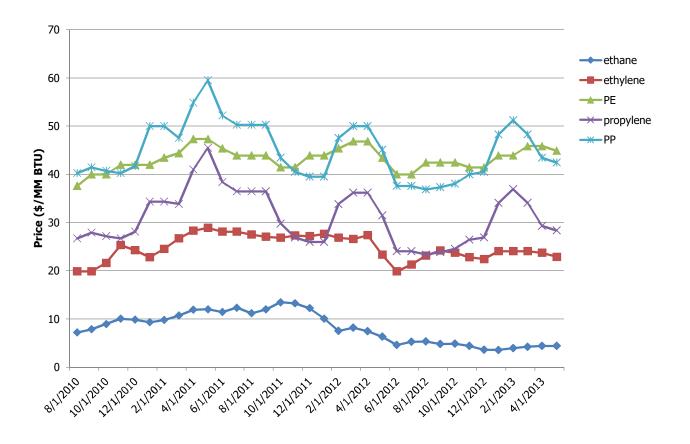
Anatomy of a Winning TED Talk





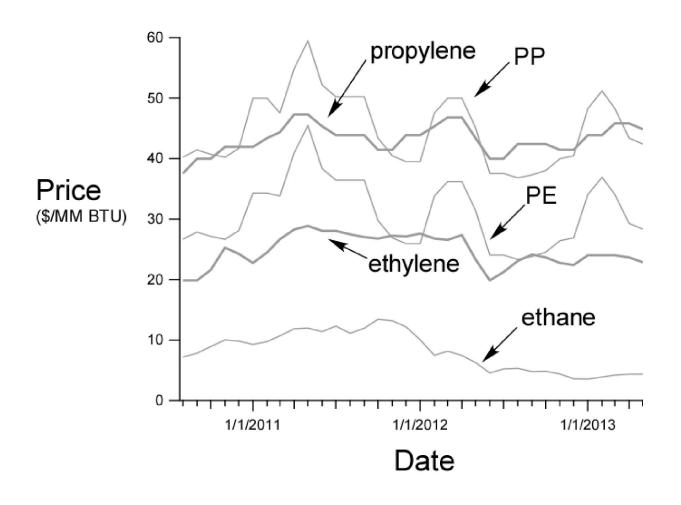






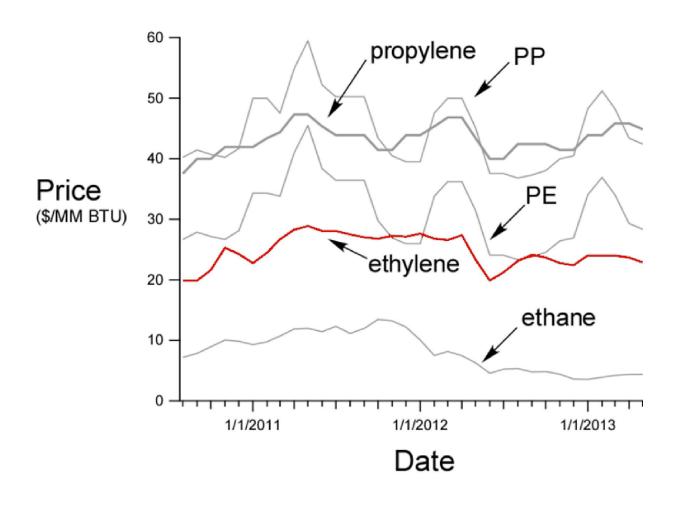








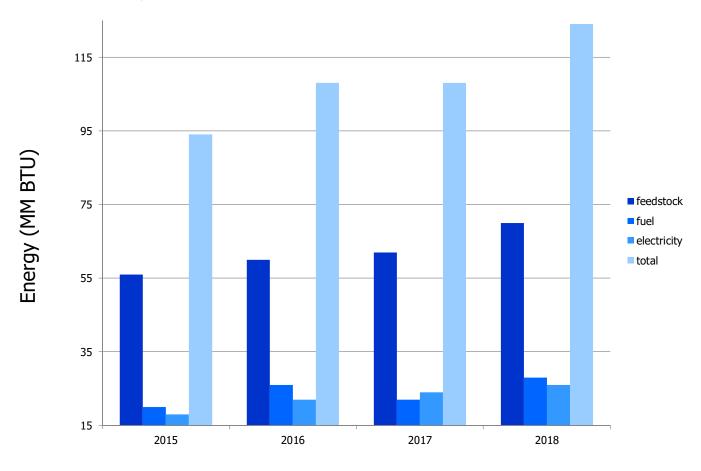






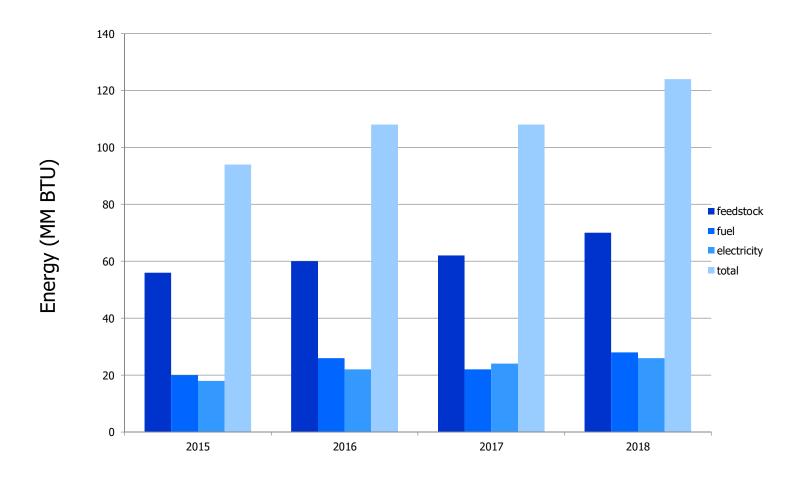
Redundant Data; Non-zero Baseline





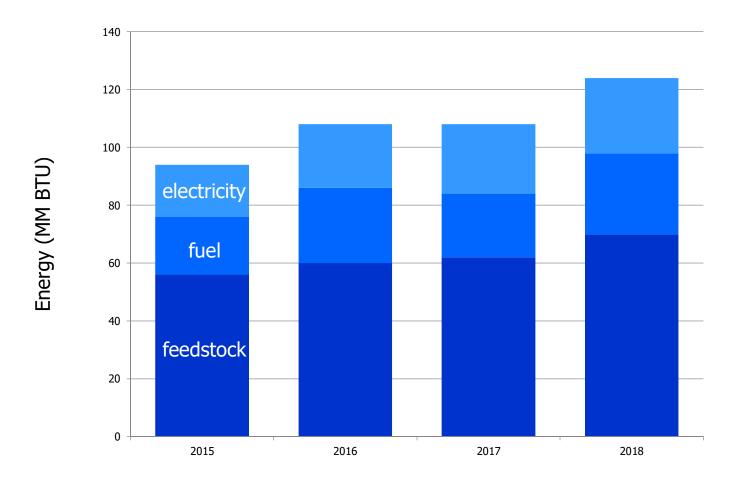
















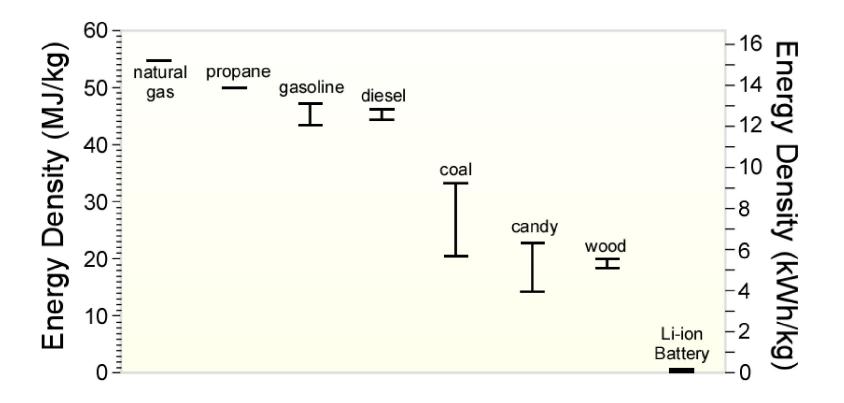
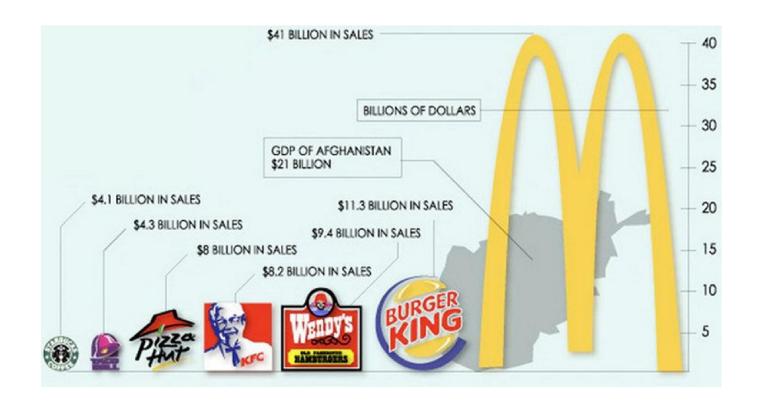




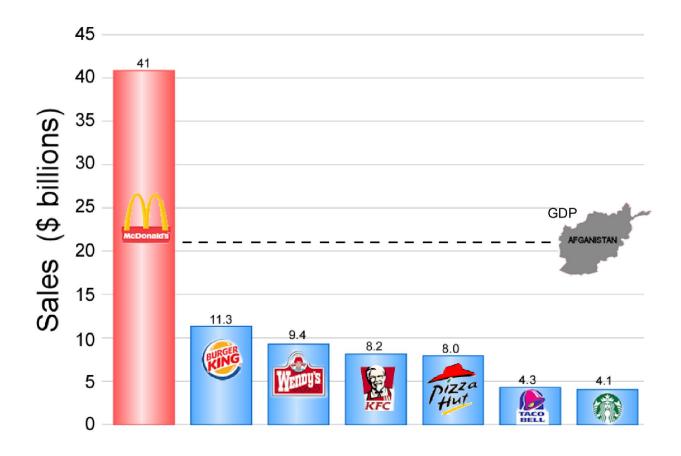
Chart Junk













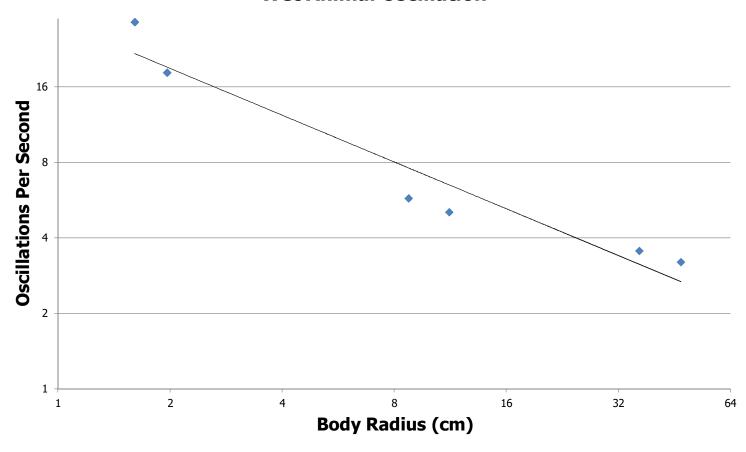






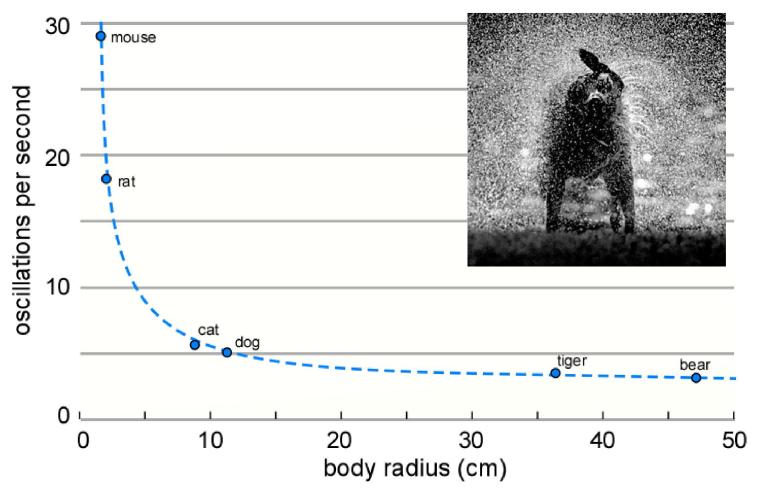


Wet Animal Oscillation





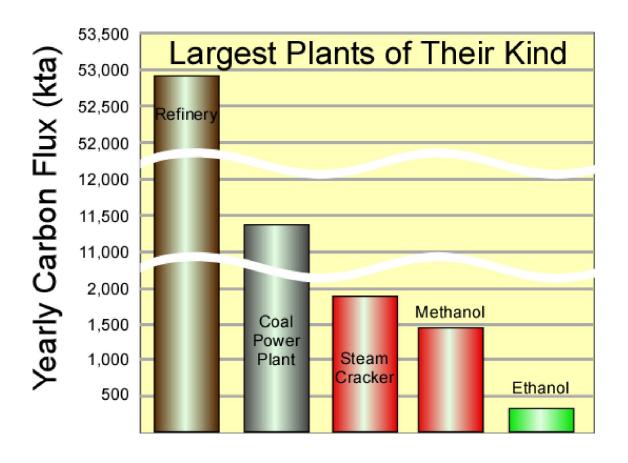






Andrew Dickerson, Grant Mills, Jay Bauman, Young-Hui Chang, David Hu, The Wet-Dog Shake, Fluid Dynamics, 15 October 2010.





c.2011



Audience Challenge Question



ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

Which one of these in NOT one of the Five Principles of Graphical Design:

- Above all else show the data
- Maximize the data-ink ratio
- Erase non-data ink
- Consider how the graph will look printed only in black and white
- Erase redundant data

Edward Tufte's Five Principles

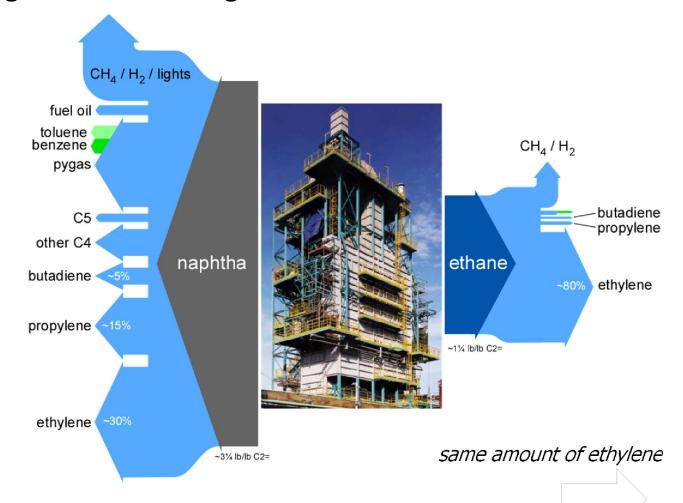


- 1. Above all else show the data
- 2. Maximize the data-ink ratio
- 3. Erase non-data ink
- 4. Erase redundant data
- 5. Revise and Edit



Sankey Diagram = Arrow Diagram

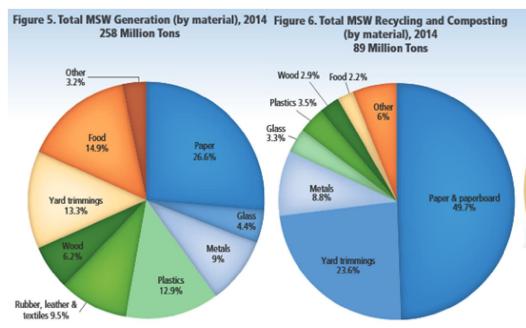


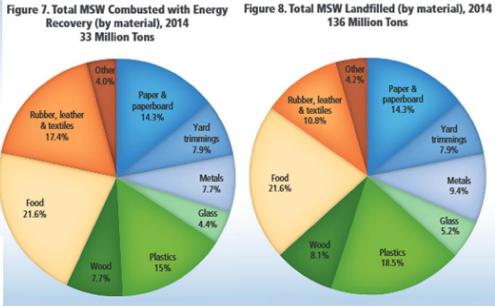




Real Example





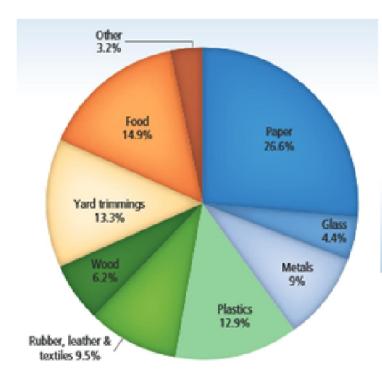




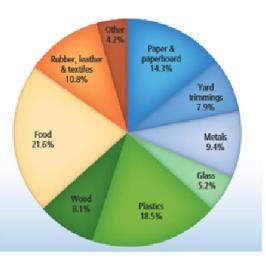
Real Example



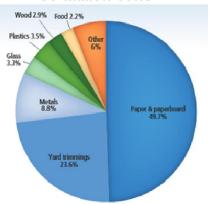
Total MSW Generation 258 Million Tons



Total MSW Landfilled 136 Million Tons



Total MSW Recycling and Composting 89 Million Tons



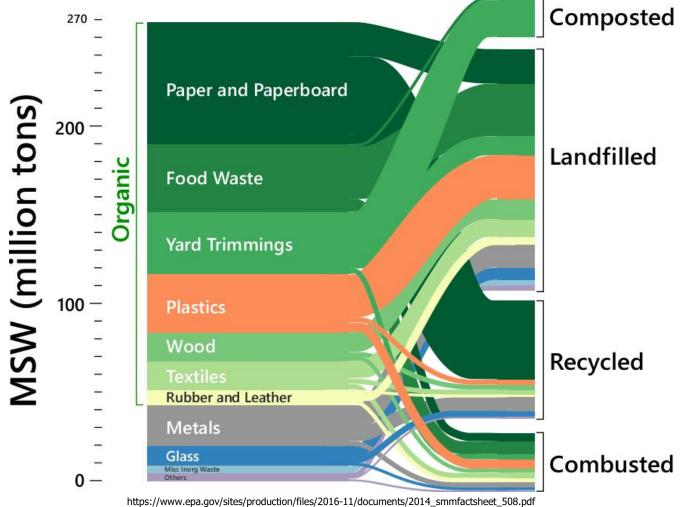
Total MSW Combusted with Energy Recovery 33 Million Tons







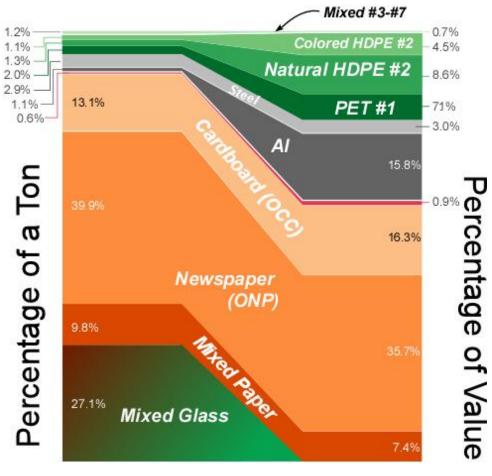






Value of Recycled Materials







source: RRS from recycling.com and published in November 2015 Resource Recycling





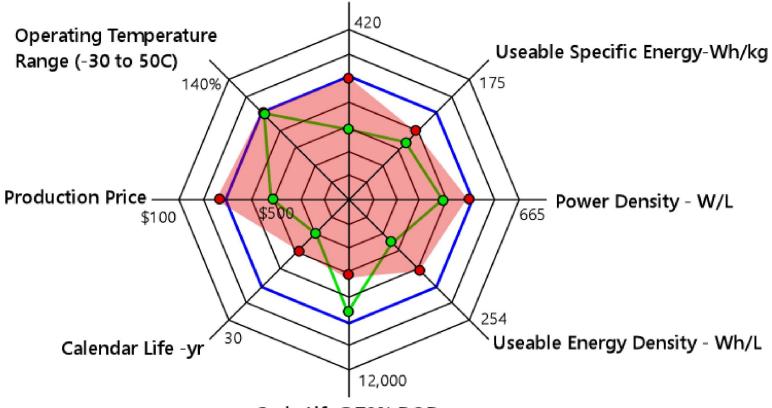






Specific Power-W/kg





Cycle Life@70% DOD

Battery A Battery B



Showing Additional Dimensions



Which is better for the environment?

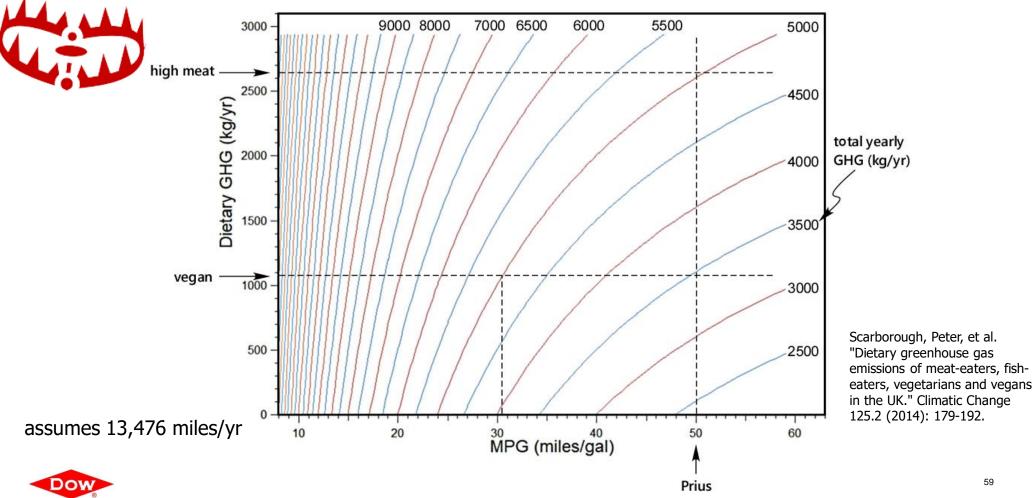


A VEGAN IN A HUMMER



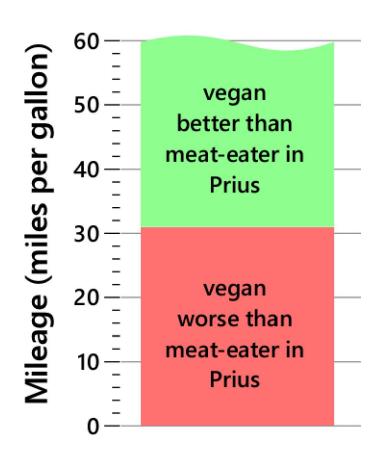
Vegan/Meat-eater Driving Comparison





Vegan/Meat-eater Driving Comparison





assumes 13,476 miles/yr



Scarborough, Peter, et al. "Dietary greenhouse gas emissions of meat-eaters, fisheaters, vegetarians and vegans in the UK." Climatic Change 125.2 (2014): 179-192.



SANFORD AND SELNICK



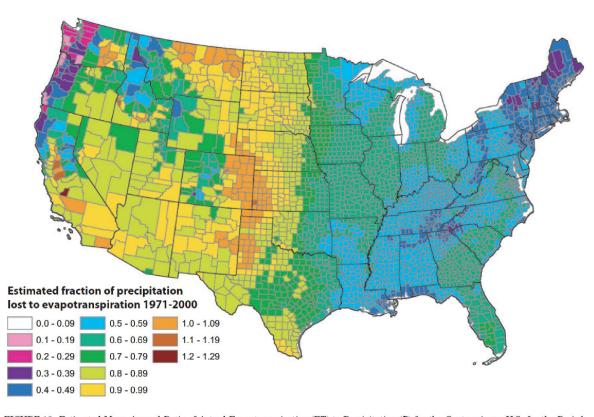


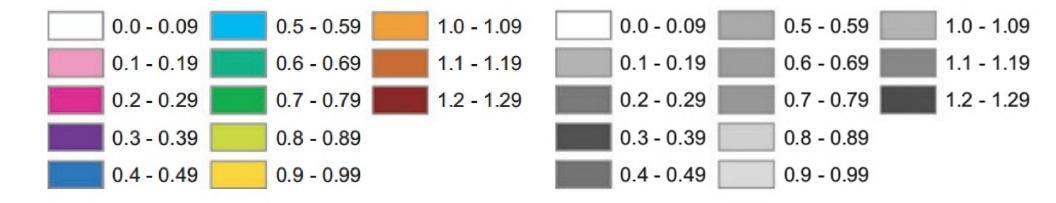
FIGURE 13. Estimated Mean Annual Ratio of Actual Evapotranspiration (ET) to Precipitation (P) for the Conterminous U.S. for the Period 1971-2000. Estimates are based on the regression equation in Table 1 that includes land cover. Calculations of ET/P were made first at the 800-m resolution of the PRISM climate data. The mean values for the counties (shown) were then calculated by averaging the 800-m values within each county. Areas with fractions >1 are agricultural counties that either import surface water or mine deep groundwater.

Sanford, W.E. and Selnick, D.L., 2013. Estimation of Evapotranspiration Across the Conterminous United States Using a Regression With Climate and Land-Cover Data. *JAWRA Journal of the American Water Resources Association*, 49(1), pp.217-230.



Abrupt Change In Luminance







Live Demo

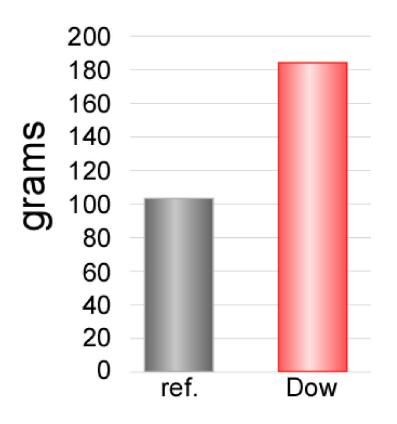






Dart Impact Data







Dart Impact Data









graphs used to gain understanding are unlikely to be good for explaining







- make your graphics mind-ready
- make the information density right for your audience
- revise and refine







animation is almost always bad



- video ≠ animation sometimes
- video = best way to show data





Favorite References – Display of Information









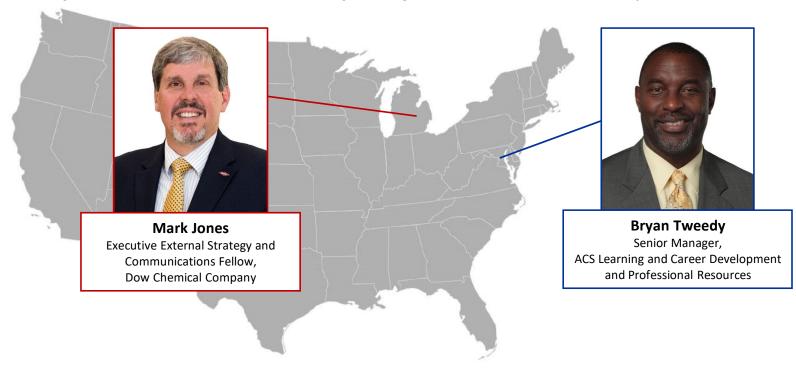








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