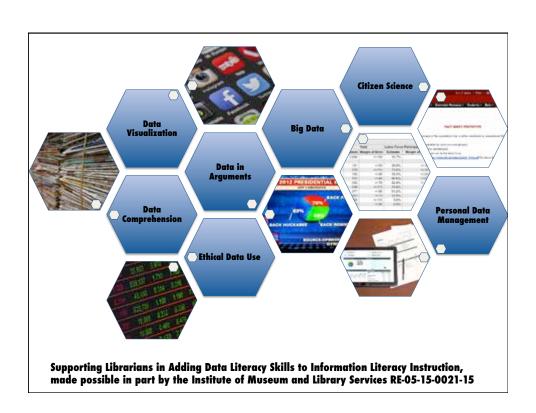


#fakenews

## #fakenews #badinformation



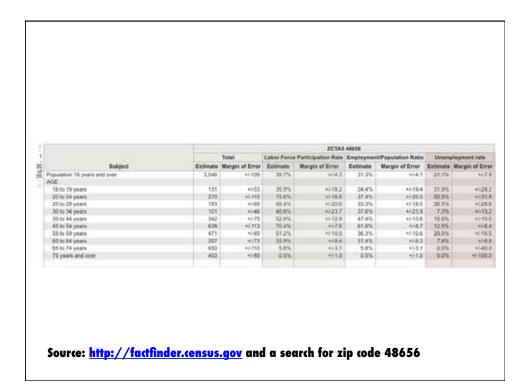


Strategies to
Rapidly Improve
Your Students'/Patrons'
Ability to
Make Sense of the News

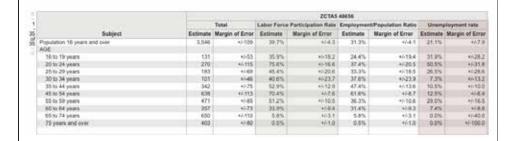
## 1. "What's Being Counted?"

"Don't believe those phony numbers when you hear 4.9 and 5 percent unemployment ... the number's probably 28, 29, as high as 35. In fact, I even heard recently 42 percent." (Politifact)



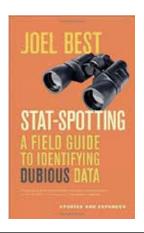


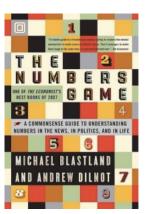
"Don't believe those phony numbers when you hear 4.9 and 5 percent unemployment ... the number's probably 28, 29, as high as 35. In fact, I even heard recently 42 percent." (Politifact)



Source: http://factfinder.census.gov and a search for zip code 48656

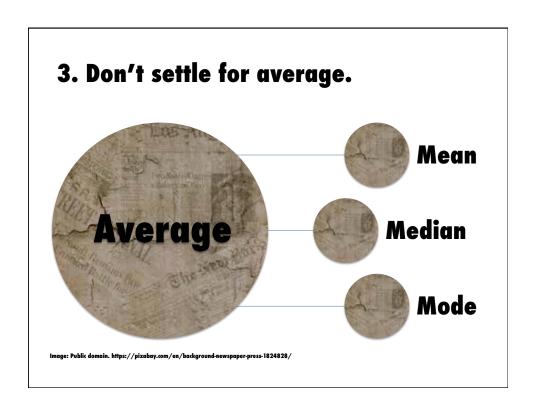
## 2. "Is That a Big Number? Compared to What?"

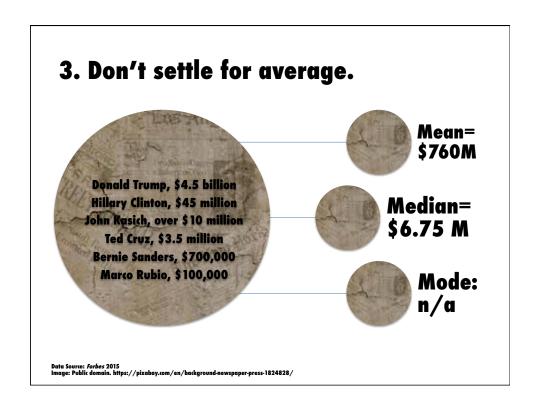


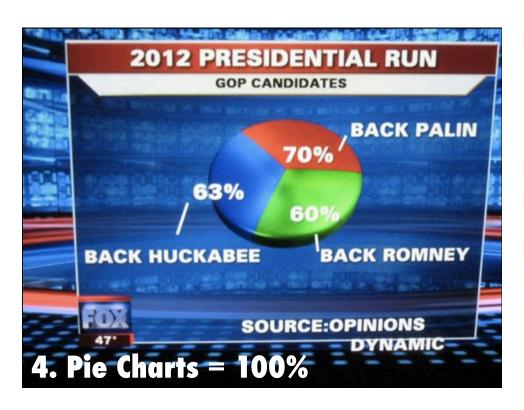


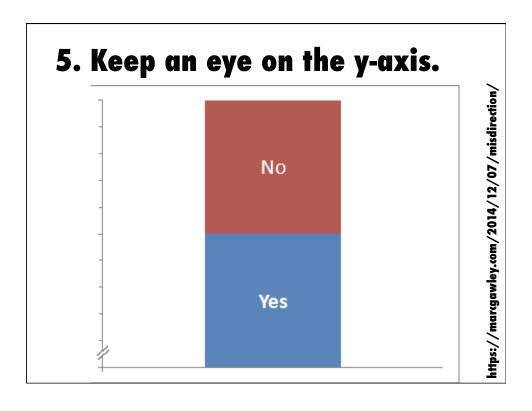
## **Statistical Benchmarks**

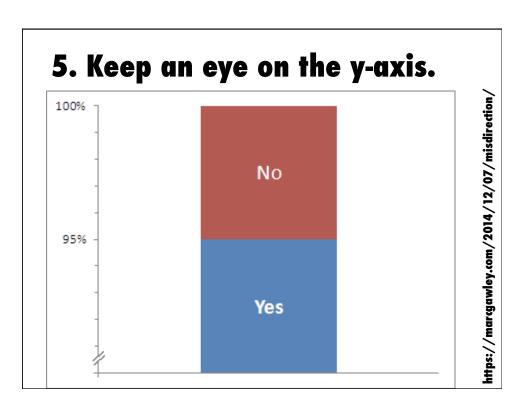
- U.S. Population 325 million (U.S. Census 2017)
- World population: Just over 7.3 billion (U.S. Census 2017)
- Number of births each year: Just under 4 million (NCHS 2014)











4T Virtual Conference on Data Literacy - July 20-21, 2017 Register free: http://dataliteracy.si.umich.edu/conference

DO YOUR HIGH SCHOOL **STUDENTS** UNDERSTAND **DATA AND STATISTICS** IN THE REAL WORLD?

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- "What's Being Counted?"
- "Is That a Big Number? Compared to what?"
- Don't settle for average.
- Pie Charts = 100%
- Keep an eye on the y-axis.

**Kristin Fontichiaro University of Michigan** School of Information

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@activelearning

Slides: http://bit.ly/fontblog