

Data Scientist: Sexiest Job of the 21st Century

- Harvard Business Review

An abstract graphic featuring several overlapping circles in various colors (red, blue, green, yellow) with faces visible through them, set against a dark background with a network of lines.

MAA – 1923: Junior high should include statistics and a stat course in high school

The reorganization of mathematics in secondary ...

The Depression and War Years: Helen Walker and Edward Deming



Fred Mosteller and John Tukey The 1960's

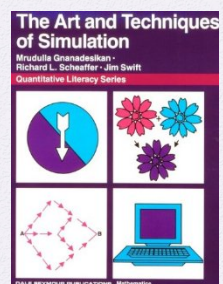
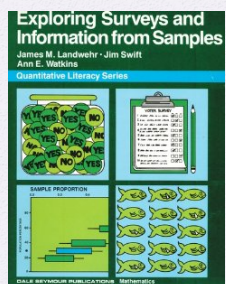


1968: Joint ASA/NCTM Committee for K-12 Statistics

- Mosteller reached out as President of ASA to NCTM to form this committee
- Early publication of committee was *Statistics: A Guide to the Unknown*
- Now in 4th edition



QL Project



1980's: Small steps to bigger steps

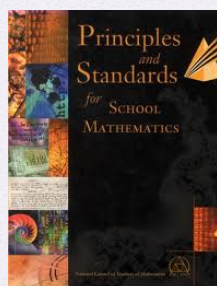


1989 Curriculum & Evaluation

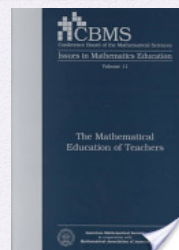
1990's AP Statistics becomes Reality



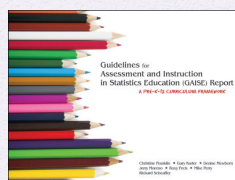
2000 NCTM Standards: Includes the Probability and Data Analysis Strand



2001 MET 1 and 2003 ASA TEAMS Conference



2005/2007 Pre-K-12 GAISE sponsored by ASA



2012 Common Core and Statistics



engage^{ny}
Our Students. Their Moment.

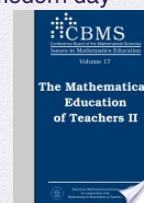


Statistics in the Common Core

- The presence of statistics in elementary school is important but is limited
- Main topics in middle school include
 - Statistical investigative process introduced
 - Statistical variability
 - Distributions
 - Drawing inference about populations using samples
 - Simulations
 - Bivariate data analysis
- Main topics in high school include
 - Categorical and quantitative data analysis
 - Inference using randomization tests and simulation
 - Conditional probability and probability rules
 - Probability for decision making

MET 2

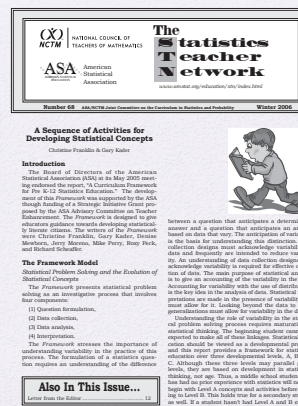
- Recommends a statistic course beyond intro statistics for middle school
- Recommends for high school a modern day one or two intro course sequence
- Emphasizing concepts
- Utilizing activities and technology



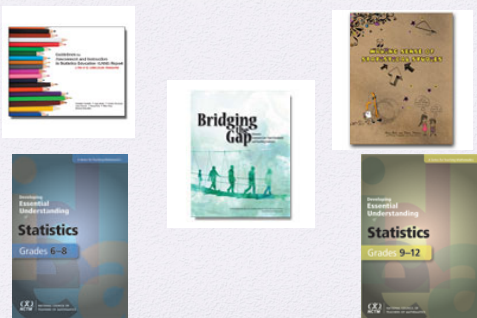
The Statistical Education of Teachers (SET)



- Writers:
- Christine Franklin
- Anna Bargagliotti
- Tim Jacobbe
- Gary Kader
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Joint ASA – NCTM Committee



ASA K-12Resources

