

Statistical Literacy sessions at the ASA Joint Statistical Meetings organized by Milo Schield

**2013 Statistical Literacy #17 (ASA, Montreal). Organizer and chair: Milo Schield (50 attendees)**

- The Relevance of Rhetoric to Statistical Literacy, Joel Best [Abstract](#)
- [Getting to know your variables: A critical element of a statistical analysis](#), Jane Miller.
- [Statistics Education: Steadfast or Stubborn?](#) Milo Schield [6up](#) [1up](#) [Audio](#)
- [Challenging Statistical Claims in the Media Course...](#), Rose Martinez-Dawson [Audio](#) [1up](#) [6up](#)
- [Key Components of Numeracy Infusion Course...](#) Esther Wilder [Handout](#) [1up](#) [6up](#)

**2012 Statistical Literacy #16 (ASA, San Diego, CA). Organizer and chair: Milo Schield**

- [Teaching Quantitative Reasoning Skills: A Numeracy Infusion Course...](#), Esther Wilder [6up](#) [Handout](#)
- [Clinician Numeracy - Getting the Gist of Health Risks](#), Tanner Caverly et al. [6up](#) [Talk](#)
- [How Economic and Social Statistics became the Stepchildren of the Profession](#), Othmar Winkler
- [Lost: Assessing Student Survival Skills in the Statistical Wilderness using Real Data](#), M Isaacson [6up](#)
- [How Causal Heterogeneity Can Influence Statistical Significance in Clinical Trials](#), M Schield [6up](#)

**2011 Statistical Literacy #15 (ASA, Miami FL). Organizer and chair: Milo Schield**

- [Pop-stats books and Statistical Education](#) - Kaiser Fung, New York Univ. [1up](#).
- [Integrating Quantitative and Financial Literacy](#) - Joseph Ganem, Loyola Univ., Maryland. [6up](#)
- [Statistics and Clinical Trials: Past, Present and Future](#) - Herb Weisberg, Correlation Research. [1up](#)
- [Learning to Read Numbers: Critical Literacy & Numeracy in K-8](#), David+Phyllis Whitin, Wayne St. [1up](#)
- [Assessing QR: What Do Freshmen Know?](#) - Ermine Orta, N. Kannan and K. Massaro, UT San Antonio. [6up](#)
- [Describing Quantitative Relationships Using Informal Grammar](#), Schield [6up](#) [1up](#) [Appendix](#) [WB1](#) [WB2](#)
- [Teaching Statistics Using the News Media](#) T. Paulette Ceesay, [6up](#)

**2010 Statistical Literacy #14 (ASA, Vancouver CA). Organizer and chair: Milo Schield**

- [Numbers in Everyday Life: A Short Course for Adults](#) Gerald Hahn, Necip Doganaksoy, Ricki Lewis, Jane Oppenlander and Josef Schmee [6up](#)
- [Statistical Literacy for Managers: Analyzing Time Series data](#) by Anders & Britt Wallgren (Sweden) [6up](#)
- [Undetectable Difference: Experimental Look at Problem of p-Values](#). Bill Goodman, U. Toronto [6up](#)
- [Probability in Decline](#) Dean Brooks (Ekaros Analytical Inc.) [6up](#) [Blog](#)
- [Teaching Statistical Literacy as a Quantitative Rhetoric Course](#) John Schmit (Augsburg College) [6up](#)
- [The Social Construction of Ranks](#) Milo Schield (Augsburg College) [6up](#)

**2009 Statistical Literacy #13 (ASA, Washington DC). Organizer and chair: Milo Schield**

- [Statistical Challenges in Medical Research: What Consumers Need to Know](#), R. Gauch, Marist C. [6up](#)
- [The Cult of Statistical Significance](#) Stephen Ziliak (Roosevelt U.) & D. McCloskey UI-Chicago [4up](#) [6up](#)
- [Spinning Heads and Spinning News: Statistics in the Media](#) Rebecca Goldin (George Mason U.): [6up](#)
- [Know Your Chances: Curriculum to Help Students Be Better Consumers...](#) Woloshin & Schwartz [2up](#)
- [Confound those Speculative Statistics](#) Milo Schield (Augsburg)

**2009 Numeracy #12 (ASA, Washington DC). Organizer: Milo Schield. Chair: Paul J. Fields**

- [Distinguishing Association from Causation in Headlines](#). Schield (Augsburg) & Raymond (St. Thomas)
- *Formal Debates to Clarify the Objectives of an Intro Stats Course*, Dan Schafer (Oregon State)
- *How Prepared are Doctoral Dissertation Committees?* Rossi Hassad (Mercy College)
- *Taking Confounding Seriously with Introductory Students* Daniel Kaplan (Macalester College)

**2008 Statistical Literacy #11 (ASA, Denver, CO). Organizer: Milo Schield. Chair: Larry Lesser**

- [Interpreting substantive significance of multivariate regression coefficients](#). Jane Miller (Rutgers) 1up
- [Just Plain Data Analysis](#). Gary Klass (Illinois State University). [6up slides](#)
- [Using Simulation to Teach Statistical Literacy](#). Marc Isaacson (Augsburg College) [6up slides](#).
- [Numbers in the News: A Survey](#). Raymond & Schield, W. M. Keck StatLit Project. [Data](#), [6up](#) and [1up](#)
- [von Mises' Frequentist Approach to Probability](#). Schield & Burnham, W. M. Keck StatLit Project. [6up](#)
- [Student Attitudes toward Statistics at Augsburg](#) Milo & Cynthia Schield, W. M. Keck StatLit Project [6up](#)

**2007 Statistical Literacy #10 (ASA, Salt Lake City, UT). Chair: Paul J. Fields**

- Statistics for Innumerate Journalists. [Stephen Doig](#), Cronkite Professor Journalism (AZ State) [1up](#) [4up](#)
- Quantitative Reasoning: An Activity-Based Course. Kay Somers (Moravian College) [6up](#)
- [Grammar of Statements Involving "Chance"](#). Schield (Augsburg) and Burnham (Cognitive Consulting)
- [Numbers in the News: A Survey](#) Milo (Augsburg) & Cynthia Schield (Napa County Record) [6up](#) [Data](#)

**2006 Statistical and Quantitative Literacy #9 (ASA, Seattle, WA) Organizer and chair: Milo Schield**

- [Pedagogical Challenges of Quantitative Literacy](#). Bernie Madison, President National Numeracy [6up](#)
- Increasing Quantitative Literacy through the Mathematics across the Community College Curriculum Project. Rebecca Hartzler (Seattle Community College) and Kim Rheinlander (Dartmouth). [6up](#)
- [Quirks of Rhetoric: a Quantitative Analysis of QR in Student Writing](#). Neil Lutsky (Carleton College)
- Common Misconceptions in Statistical Literacy. [Marc Isaacson](#) (Augsburg College) [6up](#)
- [Percentage Charts in USA Today Snapshots Online](#). [Milo Schield](#) (Augsburg College) [6up](#)

**2005 Statistical Literacy #8 (ASA, Minneapolis, MN). Organizer and chair: Milo Schield**

- [What Can 'CSI' Teach Us about Statistical Literacy](#) Jane Miller (Rutgers University)
- [Epidemiology for Teaching Statistics](#) Chris Olsen (Cedar Rapids Iowa schools)
- [Toys, Tales and a Journalist's View of Statistics](#) Lewis Cope (co-author of *News and Numbers*)
- [Statistical Literacy: An Online Course at Capella University](#) Marc Isaacson (Augsburg College)
- [On-line Ratio Statement Validator](#), Burnham and Schield, Slides [6up](#) [1up](#)
- [Statistical Literacy and Chance](#), Milo Schield (Augsburg College) Slides [6up](#) [1up](#)

**2004 Statistical Literacy #7 (ASA, Toronto, Canada). Organizer and chair: Milo Schield**

- Teaching Statistical Principles using Epidemiology, Donna Stroup (CDC)
- [Planning a Statistical Literacy Course](#) Robert Hayden (Plymouth State University)
- [Statistics for Political Science Majors](#) Gary Klass (Illinois State University)
- [Confounder-Resistance and Confounder Intervals](#), Schield & Burnham Slides [1up](#) [6up](#)
- Reviewer Brian Jersky ASA 2004

**2003 Statistical Literacy #6 (ASA, San Francisco, CA) Organizer and Chair: Milo Schield**

- *Understanding Scientific Reasoning*, Ronald Giere (U. Mn) & Leslie Burkholder (Canada)
- *Journalism, Computer Assisted Reporting and Statistical Literacy*, Brant Huston (Director IRE)
- [Subjective Statistical Inference Based On Pure Associations](#) Robyn M. Dawes (Carnegie Mellon)
- [Review of Statistical Literacy Course Design at Augsburg: 2002-2003](#) Naylor & Jasperson (Augsburg)
- [Confounder-Induced Spuriousity and Reversal: Algebraic Conditions](#), Schield & Burnham Slides [1Up](#) [6Up](#)

**2002 Statistical Literacy #5 (ASA, New York City, NY). Organizer and Chair: Milo Schield**

- [Using Quantitative Data to Study Social Phenomena: Some Ignored Issues](#) Stanley Lieberman (Harvard)
- [People Count: The Social Construction of Statistics](#) Joel Best (University of Delaware)
- *Bag of Tricks for Teaching Statistics*, Andrew Gelman (Columbia)
- *The Mission of STATS*, S. Robert Lichter, President of STATS (Presented by Ian Murray)
- [Algebraic Relationships in 2x2 Tables](#), Schield (Augsburg) and Burnham (Cognitive Consulting)

**2001 Statistical Literacy #4 (ASA, Atlanta, GA) Organizer and Chair: Milo Schield**

- *The Tyranny of Numbers*, Nicholas Eberstadt (AEI: American Enterprise Institute)
- *More Guns; Less Crime*. John Lott (University of Chicago and Yale)
- *Student-Centered Education*, Deborah Rumsey (University of Ohio)
- *A Post-Modern View of Statistical Education*, Gudmund Iversen (Swarthmore College)
- [StatLit: Reading Tables of Rates and Percentages](#), Milo Schield (Augsburg) [Jenkins Appendix version](#)

**2000 Statistical Literacy #3 (ASA, Indianapolis, IN) Organizer and Chair: Milo Schield**

- *Thinking Big About Statistics*. John Bailar III (Univ. Chicago) Excerpts from "[A Larger Perspective](#)"
- *Cross-Level Inference as an Identification Problem*. W. Phillips Shively (Univ. Minnesota)
- *A Case Story in the Teaching of Observational Studies*. Chamont (Wei-hong) Wang (College of NJ)
- [A First Year Interdisciplinary QR Course: A Pre-Statistics Course](#) Jabon and Narasimhan (De Paul U)
- [Teaching Statistics For Use In Epidemiology](#) Joe H. Abramson (Hebrew University)
- [Statistical Literacy: Describing and Comparing Rates and Percentages](#) Milo Schield (Augsburg) [6up](#)

**1999 Critical Thinking in Observational Studies #2 (ASA, Baltimore, MD) Reviewer: G. Iversen**

- [How to Help Reporters Tell The Truth](#) Victor Cohn (Former Washington Post Science editor)
- *Population Growth and Propensity: Complex Observational Studies*. Thomas Wonnacott (Canada)
- [Teaching Causal Inference in Experiments and Observational Studies](#) Donald Rubin (Harvard)
- [Simpson's Paradox and Cornfield's Conditions](#), Milo Schield (Augsburg College)

**1998 New Directions in Introductory Statistics #1 (ASA, Dallas, TX). Organizer/Chair: Milo Schield**

- [Statistics for First Year Liberal Arts Students](#) Gary Smith (Pomona College)
- *Educating Everyone: Statistical Methods and Statistical Literacy*. Jessica Utts (U. California, Davis)
- Teaching Statistics Without Formulas. Gudmund Iversen (Swarthmore)  
See [Why Should We Even Teach Statistics? A Bayesian Perspective](#)
- [Eight Features of an Ideal Introductory Statistics Course](#). Donald Macnaughton (Toronto)
- [Statistical Literacy and Evidential Statistics](#), Milo Schield (Augsburg College) [1up](#)