

## Milo Schield

Professor of Business Administration and MIS, Augsburg University

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### 1.1: Education:

1965-1968 Ph.D. Space Physics, Rice University, Houston Texas.  
1964-1965 M.S. Physics. University of Illinois. Champaign-Urbana, Illinois.  
1958-1963 B.S. Physics. Iowa State University. Ames, Iowa.

### 1.2: Professional Experience (Academic and Business)

1999-Present Professor (Full), Dept. of Business/MIS. Augsburg College. Minneapolis, MN.  
1990-1992 Chair of the Dept. of Business and MIS. Augsburg College. Minneapolis, MN.  
1990-1999 Associate Professor, Dept. Business/MIS. Augsburg College. Minneapolis, MN.  
1985-1990 Assistant Professor, Dept. Business/MIS. Augsburg College. Minneapolis, MN.  
1985-1995 Coordinator, Management Information Systems. Augsburg College, Minneapolis.  
1978-1985 Senior Operations Research Consultant. St. Paul Insurance. St. Paul MN  
1975-1978 Senior. Consultant. Fox and Co. CPA. Minneapolis, MN  
1972-1975 President: Bantam Data. Ames, IA. Took startup to \$200K in sales  
1963-1964 Quality Assurance. Project Apollo. North American Aviation. Downey, CA.  
1968-1971 Instructor. Department of Physics, Univ. of Iowa. Satellite data analysis.

### 1.3: Membership in Professional Organizations

2004-Present National Numeracy Network  
1995-Present American Statistical Association and the Section on Statistical Education

### 1.4: Professional Experience (Professional Organizations)

2012-Present US Coordinator, International Statistical Literacy Project (ISLP)  
2015-Present Vice President and Webmaster, National Numeracy Network  
2009-2012 Vice President, National Numeracy Network  
2013-2014 Secretary, Twin Cities Chapter of the American Statistical Association.  
2012-2013 President, Twin Cities Chapter of the American Statistical Association.  
2005-2006 Council of Chapters Representative. American Statistical Association

### 1.5: Honors and Awards:

2016 Wiley contracts with Schield to publish 'Statistical Literacy for Decision Makers'  
2011 Elected Member of the International Statistical Institute (ISI)  
2004 Cited as "the leader of the statistical literacy movement"  
by sociologist Joel Best in his book *More Damned Lies and Statistics*  
1991 Adjunct Teacher of the Year (teaching statistics). U. St. Thomas, St. Paul. MN.  
1989 Teacher of the Year (Teaching MIS). Augsburg College, Minneapolis, MN

### 1.6: Leadership Experience:

2017 Coordinated national conference at Baruch College (100+ attendees) NNN.  
2017 Reduced NNN web expense from \$5K/year to less than \$1K/yr.  
1998 – 2013 Organized 17 topic contributed sessions for the ASA JSM  
2014 Designed Statistical Literacy for Managers as a new catalog course. Augsburg C.  
1998 Designed Statistical Literacy for Consumers as new catalog course. Augsburg C.  
1995 Designed the Quantitative Methods course in Augsburg's new MBA program.  
1992 Took new MIS major to 7<sup>th</sup> largest major on campus in seven years. Augsburg C.  
1985 Designed/implemented new major: Management Information Systems. Augsburg

## II. CREATIVE AND SCHOLARLY ACTIVITIES

### II.1: Refereed or Editor-Reviewed Journal Articles, Book Chapters or Invited Editorials.

1. Schield, M. (2017). GAISE 2016 Promotes Statistical Literacy. *Statistics Education Research Journal*. 16(1), 50-54. Special Issue on Statistical Literacy. Invited and reviewed. At [https://iase-web.org/documents/SERJ/SERJ16\(1\)\\_Schield.pdf](https://iase-web.org/documents/SERJ/SERJ16(1)_Schield.pdf)
2. Schield, M. (2016). Offering STAT 102: Social Statistics for Decision Makers. In "Promoting understanding of statistics about society. *Proceedings of the Roundtable Conference of the International Association of Statistics Education (IASE)*." Berlin. Edited by J. Engle. Invited and reviewed. Copy at <http://www.statlit.org/pdf/2016-Schield-IASE.pdf>
3. Schield, M. (2011). Statistical Literacy: A New Mission for Data Producers in the *Statistical Journal of the International Association of Official Statistics* 27 (2011) 173-183. Edited by N. Davies and J. Ridgway. Invited; editor reviewed. [www.statlit.org/pdf/2011schieldsjaos.pdf](http://www.statlit.org/pdf/2011schieldsjaos.pdf)
4. Schield, M. (2010). Assessing Statistical Literacy: Take CARE. In *Assessment Methods in Statistical Education: An International Perspective*. Edited by P. Bidgood, N. Hunt and F. Joliffe. Wiley Publishers, Ch. 11, p, 133-152. Invited and reviewed. Excerpts at [www.statlit.org/pdf/2010SchieldExcerptsAssessingStatisticalLiteracy.pdf](http://www.statlit.org/pdf/2010SchieldExcerptsAssessingStatisticalLiteracy.pdf)
5. Schield, M. (2009). Resolving Three Key Problems in the Humanities. In *New Directions in the Humanities (NDIH)*. Peer reviewed. Prato, Italy. [www.statlit.org/pdf/2004SchieldNDIH.pdf](http://www.statlit.org/pdf/2004SchieldNDIH.pdf)
6. Schield, M. (2008). Quantitative Literacy and School Mathematics: Percentages and Fraction. In *Calculation vs. Context: Quantitative Literacy and Its Implications for Teacher Education*. Edited by Lynn Steen and Bernard Madison, 2008 Mathematical Association of America. P. 87-107. Invited and editor reviewed. Copy at [www.statlit.org/pdf/2008SchieldMAA.pdf](http://www.statlit.org/pdf/2008SchieldMAA.pdf).
7. Schield, M. (2006). Understanding Confounding from Lurking Variables using Graphs. In *STATS* magazine. American Statistical Association. Fall 2006. pp. 14-18. Invited and reviewed. Copy at [www.StatLit.org/pdf/2006SchieldStats.pdf](http://www.StatLit.org/pdf/2006SchieldStats.pdf)
8. Schield, M. (2005). Information Literacy, Statistical Literacy & Data Literacy. *IASSIST Information Quarterly*, 7-14. Reviewed. Copy at [www.StatLit.org/pdf/2005SchieldIASSIST.pdf](http://www.StatLit.org/pdf/2005SchieldIASSIST.pdf)
9. Schield, M. (2004b). Statistical Literacy Curriculum Design. *International Association for Statistical Education: IASE Curricular Development in Statistics Education Roundtable*, 54-74. Invited and reviewed. See [www.stat.auckland.ac.nz/~iase/publications/rt04/2.4\\_Schield.pdf](http://www.stat.auckland.ac.nz/~iase/publications/rt04/2.4_Schield.pdf)
10. Schield, M. (2004a). Statistical Literacy and Liberal Education at Augsburg College. *Peer Review*. American Association of Colleges and Universities. Sept. 2004, 7-14. Invited and editor reviewed. Copy at [www.StatLit.org/pdf/2004SchieldAACU.pdf](http://www.StatLit.org/pdf/2004SchieldAACU.pdf)

11. Schield, M. (1999a). Statistical Literacy: Thinking Critically about Statistics. In *Of Significance*. Association of Public Data Users (APDU). Invited and reviewed. Copy at [www.StatLit.org/pdf/1999SchieldAPDU.pdf](http://www.StatLit.org/pdf/1999SchieldAPDU.pdf)
12. Schield, M. (1999b). Common Errors in Forming Arithmetic Comparisons. In *Of Significance*. Association of Public Data Users (APDU). Invited and reviewed. [www.StatLit.org/pdf/1999SchieldAPDU2.pdf](http://www.StatLit.org/pdf/1999SchieldAPDU2.pdf)

## II.2: Non-Refereed Books involving Statistics

13. Schield, Milo (2005-2011). *Statistical Literacy: Seeing the Story Behind the Statistics*. See [www.StatLit.org/Schield.htm](http://www.StatLit.org/Schield.htm)

## II.3: Non-Refereed Articles involving Statistics

14. Schield, Milo (1994). Schield, Milo (1994), Random Sampling versus Representative Samples, 1994 American Statistical Association Proceedings of Section on Statistical Education, pp.107-110. See [www.StatLit.org/pdf/1994SchieldASA.pdf](http://www.StatLit.org/pdf/1994SchieldASA.pdf).
15. Schield, Milo (1995). Correlation, Determination and Causation in Introductory Statistics, 1995 American Statistical Association Proceedings of Section on Statistical Education, pp. 189-194. See [www.StatLit.org/pdf/1995SchieldASA.pdf](http://www.StatLit.org/pdf/1995SchieldASA.pdf).
16. Schield, Milo (1996a). The Goal of Introductory Statistics: Reasoning About Data. Making Statistics More Effective in Schools & Business, Anchorage. [www.StatLit.org/pdf/1996Schield-MSMESB.pdf](http://www.StatLit.org/pdf/1996Schield-MSMESB.pdf).
17. Schield, Milo (1996b). Using Bayesian Inference in Classical Hypothesis Testing, 1996 American Statistical Association Proceedings of Section on Statistical Education, pp. 274-279. See [www.StatLit.org/pdf/1996SchieldASA.pdf](http://www.StatLit.org/pdf/1996SchieldASA.pdf).
18. Schield, Milo (1997). Interpreting Statistical Confidence, 1997 American Statistical Association Proceedings of Section on Statistical Education, pp. 137-142. See [www.StatLit.org/pdf/1997SchieldASA.pdf](http://www.StatLit.org/pdf/1997SchieldASA.pdf).
19. Schield, Milo (1998a). Using Bayesian Strength of Belief to Teach Classical Statistics, 1998 International Conference on Teaching Statistics (ICOTS-5) Singapore. See [www.StatLit.org/pdf/1998-Schield-ICOTS.pdf](http://www.StatLit.org/pdf/1998-Schield-ICOTS.pdf).
20. Schield, Milo (1998b). Evidential Statistics, 1998 Making Statistics More Effective in Schools of Business. See [www.StatLit.org/pdf/1998-Schield-MSMESB.pdf](http://www.StatLit.org/pdf/1998-Schield-MSMESB.pdf).
21. Schield, Milo (1998c). Statistical Literacy and Evidential Statistics, 1998 American Statistical Association Proceedings of Section on Statistical Education, pp. 187-192. See [www.StatLit.org/pdf/1998SchieldASA.pdf](http://www.StatLit.org/pdf/1998SchieldASA.pdf).
22. Schield, Milo (1999a). ASA Ethics Committee Guidelines: Comments & Recommendations. JSM. See [www.StatLit.org/pdf/1999-Schield-Ethics-Committee.pdf](http://www.StatLit.org/pdf/1999-Schield-Ethics-Committee.pdf)
23. Schield, Milo (1999b). Simpson's Paradox and Cornfield's Conditions, 1999 American Statistical Association Proceedings of Section on Statistical Education, pp. 106-111. See [www.StatLit.org/pdf/1999SchieldASA.pdf](http://www.StatLit.org/pdf/1999SchieldASA.pdf).
24. Schield, Milo (2000a). *Statistical Literacy and Mathematical Thinking*. International Conference on Mathematics Education (ICME-9) Tokyo. See [www.StatLit.org/pdf/2000SchieldICME.pdf](http://www.StatLit.org/pdf/2000SchieldICME.pdf).

25. Schield, Milo (2000b). Statistical Literacy: Difficulties in Describing and Comparing Rates and Percentages. *2000 American Statistical Association Proceedings of Section on Statistical Education*, pp. 76-81. See [www.StatLit.org/pdf/2000SchieldASA.pdf](http://www.StatLit.org/pdf/2000SchieldASA.pdf).
26. Schield, Milo (2001a). Describing Rates and Percentages in Tables. Handout, 2001 Business of Communications conference. See [www.StatLit.org/pdf/2001SchieldBusOfComm.pdf](http://www.StatLit.org/pdf/2001SchieldBusOfComm.pdf).
27. Schield, Milo (2001b). Statistical Literacy: Reading Tables of Rates and Percentages, *2001 American Statistical Association Proceedings of Section on Statistical Education*, [No pages numbers given]. See [www.StatLit.org/pdf/2001SchieldASA.pdf](http://www.StatLit.org/pdf/2001SchieldASA.pdf).
28. Schield, Milo (2002). Three Kinds of Statistical Literacy, International Conference on Teaching Statistics (ICOTS-6). South Africa See [www.StatLit.org/pdf/2002SchieldICOTS.pdf](http://www.StatLit.org/pdf/2002SchieldICOTS.pdf)
29. Schield, Milo and Thomas Burnham (2002). Algebraic Relations between Relative Risk, Phi and Measures of Necessity and Sufficiency in 2x2 Tables. *2002 American Statistical Association Proceedings of Section on Statistical Education*. [CD-ROM], 3089 - 3094. See [www.StatLit.org/pdf/2002SchieldBurnhamASA.pdf](http://www.StatLit.org/pdf/2002SchieldBurnhamASA.pdf)
30. Schield, Milo (2003). Statistical Literacy: Seeing How Statistical Significance is Contextual. Technical Report, Czech Republic. Copy at [www.StatLit.org/pdf/2003-Schield-Tech-Report.pdf](http://www.StatLit.org/pdf/2003-Schield-Tech-Report.pdf)
31. Schield, Milo and Thomas Burnham (2003). Confounder-induced Spuriousity and Reversal: Algebraic Conditions for Binary Data Using a Non-Interactive Model. *2003 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM], 3690 - 3697. See [www.StatLit.org/pdf/2003SchieldBurnhamASA.pdf](http://www.StatLit.org/pdf/2003SchieldBurnhamASA.pdf)
32. Schield, Milo and Thomas Burnham (2004). Confounder Resistance and Confounder Intervals for a Binary Confounder. *2004 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM], 2781 - 2788. See [www.StatLit.org/pdf/2004SchieldBurnhamASA.pdf](http://www.StatLit.org/pdf/2004SchieldBurnhamASA.pdf).
33. Schield, Milo (2004). *Three Graphs to Promote Statistical Literacy*. International Conference on Mathematics Education (ICME-10) Copenhagen. See [www.StatLit.org/pdf/2004SchieldICME.pdf](http://www.StatLit.org/pdf/2004SchieldICME.pdf).
34. Terwilliger, Jim and Milo Schield (2004). *Frequency of Simpson's Paradox in NAEP Data*. American Educational Research Association. See [www.StatLit.org/pdf/2004TerwilligerSchieldAERA.pdf](http://www.StatLit.org/pdf/2004TerwilligerSchieldAERA.pdf).
35. Burnham, Tom and Milo Schield (2005). An Online Grammar-parsing Program That Decodes Ordinary English Descriptions and Comparisons of Percentages and Rates. *2005 American Statistical Association Proceedings of the Section on Statistical Education*, [CD-ROM], 2202-2208. See [www.StatLit.org/pdf/2005BurnhamSchieldASA.pdf](http://www.StatLit.org/pdf/2005BurnhamSchieldASA.pdf).
36. Schield, Milo (2005a). Statistical Literacy: An Evangelical Calling for Statistical Educators, 2005 ISI Sydney. See [www.StatLit.org/pdf/2005SchieldISI.pdf](http://www.StatLit.org/pdf/2005SchieldISI.pdf)
37. Schield, Milo (2005b). *Statistical Prevarication: Telling Half Truths Using Statistics*. 2005 International Assoc. of Statistical Educators (IASE). Invited paper, Sydney. At [www.StatLit.org/pdf/2005SchieldIASE.pdf](http://www.StatLit.org/pdf/2005SchieldIASE.pdf)
38. Schield, Milo (2005c). Statistical Literacy and Chance. *2005 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] 2302-2310. See [www.StatLit.org/pdf/2005SchieldASA.pdf](http://www.StatLit.org/pdf/2005SchieldASA.pdf)
39. Schield, Milo (2005d). Quantity Words Without Numbers: Why Students use "Many", 2005 QR Conference at Carleton College. See [www.StatLit.org/pdf/2005SchieldCarleton.pdf](http://www.StatLit.org/pdf/2005SchieldCarleton.pdf)
40. Schield, Milo and Thomas Burnham (2006). *Binary Confounders as Mathematical Objects: Confounder Influence and Confounder Intervals*. MAA (Draft). See [www.StatLit.org/pdf/2006SchieldBurnhamMAA.pdf](http://www.StatLit.org/pdf/2006SchieldBurnhamMAA.pdf)

41. Burnham, Thomas and Milo Schield (2006). Introduction to an Online Ratio Statement Validator, 2006 IASSIST Workshop. See [www.StatLit.org/pdf/2006BurnhamSchieldIASSIST.pdf](http://www.StatLit.org/pdf/2006BurnhamSchieldIASSIST.pdf)
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43. Schield, Milo (2006b). Statistical Literacy Survey Results, 2006 IASSIST. See [www.StatLit.org/pdf/2006SchieldIASSIST.pdf](http://www.StatLit.org/pdf/2006SchieldIASSIST.pdf)
44. Schield, Milo (2006c). *Statistical Literacy Survey Analysis: Reading Tables and Graphs of Rates and Percentages*. International Conference on Teaching Statistics (ICOTS-7) Brazil. At [www.StatLit.org/pdf/2006SchieldICOTS.pdf](http://www.StatLit.org/pdf/2006SchieldICOTS.pdf)
45. Schield, Milo (2006d). Percentage Graphs in USA Today Snapshots Online, *2006 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] 2364-2371. See [www.StatLit.org/pdf/2006SchieldASA.pdf](http://www.StatLit.org/pdf/2006SchieldASA.pdf)
46. Schield, Milo (2007a). Teaching the Social Construction of Statistics. 2007 Midwest Sociological Society, Chicago. See [www.StatLit.org/pdf/2007SchieldMSS.pdf](http://www.StatLit.org/pdf/2007SchieldMSS.pdf)
47. Schield, Milo (2007b). Statistical Literacy: Factual Assessment to Support Hypothetical Thinking, 2007 IASE, Guimarães, Portugal. [www.StatLit.org/pdf/2007SchieldIASE.pdf](http://www.StatLit.org/pdf/2007SchieldIASE.pdf)
48. Schield, Milo and Cynthia Schield (2007). Numbers in the News: A Survey, *2007 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] 2243-2250. See [www.StatLit.org/pdf/2007SchieldASA.pdf](http://www.StatLit.org/pdf/2007SchieldASA.pdf)
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50. Schield, Milo (2008a). Analyzing Numbers in the News: A Critical-Thinking Structured Approach, *2008 National Numeracy Network Conference*. See [www.StatLit.org/pdf/2008SchieldNNN.pdf](http://www.StatLit.org/pdf/2008SchieldNNN.pdf)
51. Schield, Milo (2008b). Statistical Literacy Skills Survey. Project Kaleidoscope and Project Quirk. See [www.StatLit.org/pdf/2008SchieldPKAL.pdf](http://www.StatLit.org/pdf/2008SchieldPKAL.pdf)
52. Raymond, Robert and Milo Schield (2008). Numbers in the News: A Survey, *2008 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 2848-2855. See [www.StatLit.org/pdf/2008RaymondSchieldASA.pdf](http://www.StatLit.org/pdf/2008RaymondSchieldASA.pdf)
53. Schield, Milo and Thomas V.V. Burnham (2008). Von Mises' Frequentist Approach to Probability, *2008 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 2187-2194. See [www.StatLit.org/pdf/2008SchieldBurnhamASA.pdf](http://www.StatLit.org/pdf/2008SchieldBurnhamASA.pdf)
54. Schield, Milo and Cynthia Schield (2008). Student Attitudes toward Statistics at Augsburg College. *2008 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 2150-2155. See [www.StatLit.org/pdf/2008SchieldASA.pdf](http://www.StatLit.org/pdf/2008SchieldASA.pdf)
55. Schield, Milo (2009a). Numeracy: Assessing Basic Skills and Knowledge. 2009 Joint Mathematical Meeting of the Mathematical Association of America (MAA). See [www.StatLit.org/pdf/2009SchieldMAA.pdf](http://www.StatLit.org/pdf/2009SchieldMAA.pdf)
56. Schield, Milo (2009b). Confound Those Speculative Statistics. *2009 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 4255-4266. See [www.StatLit.org/pdf/2009SchieldASA.pdf](http://www.StatLit.org/pdf/2009SchieldASA.pdf)

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59. Schield, Milo (2010b) Association-Causation Problems in News Stories. International Conference on Teaching Statistics (ICOTS-8) Ljubljana, Slovenia. [www.StatLit.org/pdf/2010SchieldICOTS.pdf](http://www.StatLit.org/pdf/2010SchieldICOTS.pdf)
60. Schield, Milo (2010c). The Social Construction of Ranks. *2010 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 1016-1030. See [www.StatLit.org/pdf/2010SchieldASA.pdf](http://www.StatLit.org/pdf/2010SchieldASA.pdf)
61. Schield, Milo (2011a) Teaching Statistical Literacy using Odyssey2Sense™: a Unique Web-Based Forum. The Mathematical Association of America. See [www.StatLit.org/pdf/2011SchieldMAA.pdf](http://www.StatLit.org/pdf/2011SchieldMAA.pdf)
62. Schield, Milo (2011b) Describing Arithmetic Relations Using Informal Grammar. *2011 American Statistical Association Proceedings of the Section on Statistical Education*. [CD-ROM] P. 911-925. See [www.StatLit.org/pdf/2011SchieldASA.pdf](http://www.StatLit.org/pdf/2011SchieldASA.pdf)
63. Schield, Milo (2011c). All Statistics are Socially Constructed. The International Association of Statistical Educators (IASE). Malahide, Ireland. See [www.StatLit.org/pdf/2011SchieldIASE.pdf](http://www.StatLit.org/pdf/2011SchieldIASE.pdf)
64. Schield, Milo (2011d). Epidemiological Models and Spotty Statistics. The International Statistical Institute (ISI) Dublin. See [www.StatLit.org/pdf/2011SchieldISI.pdf](http://www.StatLit.org/pdf/2011SchieldISI.pdf)
65. Schield, Milo (2011e). Teaching Teachers Statistical Literacy Online. National Numeracy Network conference, Appalachian State College Conference. See [www.StatLit.org/pdf/2011SchieldNNN.pdf](http://www.StatLit.org/pdf/2011SchieldNNN.pdf)
66. Schield, Milo (2012a). Coincidence in Runs and Clusters. Mathematical Association of American Conference. See [www.StatLit.org/pdf/2012Schield-MAA.pdf](http://www.StatLit.org/pdf/2012Schield-MAA.pdf)
67. Schield, Milo (2012b). How Causal Heterogeneity Influences Statistical Significance in Clinical Trials. ASA Proceedings of the Section on Statistical Education. [CD-ROM] P. 2637-2645. See [www.StatLit.org/pdf/2012Schield-ASA.pdf](http://www.StatLit.org/pdf/2012Schield-ASA.pdf)
68. Schield, Milo (2013a). Reinventing Business Statistics: Statistical Literacy for Managers. MBAA 2013 Chicago. See [www.StatLit.org/pdf/2013-Schield-MBAA.pdf](http://www.StatLit.org/pdf/2013-Schield-MBAA.pdf)
69. Schield, Milo (2013b). Statistics Education: Steadfast or Stubborn? *ASA Proceedings of the Section on Statistical Education*. P. 1005-1017. See [www.StatLit.org/pdf/2013-Schield-ASA.pdf](http://www.StatLit.org/pdf/2013-Schield-ASA.pdf)
70. Schield, Milo (2014a). Two Big Ideas for Teaching Big Data: Coincidence and Confounding. ECOTS invited webinar. Copy at [www.StatLit.org/pdf/2014-Schield-ECOTS.pdf](http://www.StatLit.org/pdf/2014-Schield-ECOTS.pdf)
71. Schield, Milo (2014b). Odyssey: A Journey to Lifelong Statistical Literacy. International Conference on Teaching Statistics (ICOTS-9). Flagstaff, AZ. See [www.StatLit.org/pdf/2014-Schield-ICOTS.pdf](http://www.StatLit.org/pdf/2014-Schield-ICOTS.pdf)
72. Schield, Milo (2015a). What is Wrong with THE Introductory Statistics Course? USCOTS invited presentation. Copy at [www.StatLit.org/pdf/2015-Schield-USCOTS.pdf](http://www.StatLit.org/pdf/2015-Schield-USCOTS.pdf)
73. Schield, Milo (2015b). Statistical Inference for Managers. *ASA Proceedings of the Section on Statistical Education*. P. 3032-3046. Copy at [www.StatLit.org/pdf/2015-Schield-ASA.pdf](http://www.StatLit.org/pdf/2015-Schield-ASA.pdf)
74. Schield, Milo (2016) Augsburg Students Evaluations of STAT 102. ASA JSM Proceedings Section on Statistical Education, p. 3741-3750. Copy at [www.StatLit.org/pdf/2016-Schield-ASA.pdf](http://www.StatLit.org/pdf/2016-Schield-ASA.pdf)
75. Schield, Milo (2017) Teaching Logistic Regression using Ordinary Least Squares in Excel. ASA Proceedings Statistical Education. P. 2963-2987. Copy at [www.StatLit.org/pdf/2017-Schield-ASA.pdf](http://www.StatLit.org/pdf/2017-Schield-ASA.pdf)

### III. INVITED PRESENTATIONS/WORKSHOPS

#### III-1: Sessions Organized and Speakers Chosen at Professional Conferences

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

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

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

- Teaching Quantitative Reasoning Skills: A Numeracy Infusion Course..., Esther Wilder
- Clinician Numeracy - Getting the Gist of Health Risks, Tanner Caverly et al.
- 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
- How Causal Heterogeneity Can Influence Statistical Significance in Clinical Trials, M Schield

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

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

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

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

##### 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.
- The Cult of Statistical Significance Stephen Ziliak (Roosevelt U.) & D. McCloskey UI-Chicago
- Spinning Heads and Spinning News: Statistics in the Media Rebecca Goldin (George Mason U.):
- Know Your Chances: Curriculum to Help Students Be Better Consumers... Woloshin & Schwartz
- 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. *Schild (Augsburg) & Raymond (UST)*
- 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)
- Just Plain Data Analysis. Gary Klass (Illinois State University).
- Using Simulation to Teach Statistical Literacy. Marc Isaacson (Augsburg College)
- Numbers in the News: A Survey. Raymond & Schield, W. M. Keck StatLit Project.
- von Mises' Frequentist Approach to Probability. Schield & Burnham, W. M. Keck StatLit Project.
- Student Attitudes toward Statistics at Augsburg Milo & Cynthia Schield, W. M. Keck StatLit Project

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

- Statistics for Innumerate Journalists. Stephen Doig, Cronkite Professor Journalism (AZ State) 4up
- Quantitative Reasoning: An Activity-Based Course. Kay Somers (Moravian College)
- Grammar of Statements Involving "Chance". Schield (Augsburg) & Burnham (Cognitive Consulting)
- Numbers in the News: A Survey Milo (Augsburg) & Cynthia Schield (Napa County Record) 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
- Increasing Quantitative Literacy through the Mathematics across the Community College Curriculum Project. Rebecca Hartzler (Seattle Community College) and Kim Rheinlander (Dartmouth).
- Quirks of Rhetoric: a Quantitative Analysis of QR in Student Writing. Neil Lutsky (Carleton College)
- Common Misconceptions in Statistical Literacy. Marc Isaacson (Augsburg College)
- Percentage Charts in USA Today Snapshots Online. Milo Schield (Augsburg College)

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,
- Statistical Literacy and Chance, Milo Schield (Augsburg College)

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
- 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: 2003 Naylor\_& Jaspersen (Augsburg)
- Confounder-Induced Spuriousity and Reversal: Algebraic Conditions, Schield & Burnham

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)

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

- Thinking Big About Statistics. John Bailar III (Univ. Chicago)
- Cross-Level Inference as an Identification Problem. W. Phillips Shively (Univ. Minnesota)
- Case Story in Teaching of Observational Studies. Chamont (Wei-hong) Wang (College of NJ)
- 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)

#### 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)
- Eight Features of an Ideal Introductory Statistics Course. Donald Macnaughton (Toronto)
- Statistical Literacy and Evidential Statistics, Milo Schield (Augsburg College)

### III-2: Invited Talks and Presentations (No paper published)

2017 IQ and Gender. (with Cynthia Schield), Critical Thinking Club (CTC).

2017 Down Syndrome: By Birth Order and Mom's Age. 3/20

2016 Why Election Polls Are Often Wrong . Schield CTC 12/4

2016 Why Clinton Lost (Trump Won) based on Exit Poll Data. CTC 12/4

2015 What's Wrong with Into Stats StatChat 10/27/2015

2015 Hot Hand: Better than Chance Univ. of St. Thomas Statistics Seminar Fall

2015 Comments on Cobb and De Veaux at USCOTS . USCOTS

2015 Statistics for Managers. Univ. St. Thomas Statistics Seminar

2015 Statistically-Significant Shortcuts. . StatChat Feb 24

2015 Augsburg's Above-Average Value-Added Education. Presented to Augsburg Faculty 2/17

2014 Business Analytics vs. Data Science. Nov 2014 DSI-MSMESB Tampa, FL. Invited Talk .

2014 Big Data and Coincidence. Oct 24. Invited workshop at Carleton College. .

2014 Explore Log-Normal Distribution of Incomes. Oct NNN-2 Invited Workshop at Carleton College

2014 Create Distributions Empirically using Excel. Oct NNN-3 Invited Workshop at Carleton College.

2014 Statistically-Significant Correlations. Oct NNN-4 Invited Workshop at Carleton College.

2014 Segmented Linear Regression. 2014 NNN-5 Invited Workshop at Carleton College. .

2014 Two Big Ideas in Teaching Big data. Talk at the Twin Cities ASA Chapter March 20

2013 Adding Context to Introductory Statistics. Talk at the Twin Cities Chapter of the ASA May 22. .

2012 Victor Cohn (1919-2000): A Retrospective: talk at the Twin Cities Chapter of the ASA Oct 14.  
 2012 Keene State Workshops: Statistical literacy; Critical thinking; Coincidence; Reading tables and graphs, Statistical Literacy and Mathematics; Statistical Literacy and Confounding May 15-17.  
 2012 Coincidence in Run and Clusters. ASA Chapter Meetings. Macalester College, St. Paul., MN. 3/8.  
 2012 Statistical Literacy: A Math-Stat Alternative . T3Conference, Chicago 3/2  
 2012 Statistical Literacy for All. Statistical Literacy at Augsburg. Lehman College 2/24  
 2011 Poster: Modeling in Context: Adjustment and Confounding, M Schield & Daniel Kaplan. USCOTS  
 2011 Activity: Hypothetical Thinking about Statistics. USCOTS 2011  
 2011 Poster: Odysseys Teach Critical Thinking. Augsburg College with Larry Copes. 5/10  
 2011 Statistical Literacy: Confounding. University of Texas, San Antonio. 1/13  
 2011 Statistical Literacy Worldwide: 2010. 1/6/2011 MAA JMM  
 2010 Statistical Literacy: Confounding. University of St. Thomas 12/10/2010  
 2010 Quantitative Literacy Today: An Update. Carleton-PKAL conference. 10/08/2010 .  
 2010 Statistical Literacy at Augsburg College. Carleton-PKAL conference. 10/09/2010  
 2009 Science Literacy Requires Statistical Literacy 11/09 SENCER Symposium  
 2009 Statistical Literacy and Liberal Education 7/09 Free Minds '09  
 2009 Poster: Several Radical Ideas for Introductory Statistics 6/09 Brick & Schield USCOTS  
 2009 Speculative Statistics and Public Policy. 5/2009 NNN conference Univ. Washington, Bothell  
 2009 Statistical Literacy: A New On-Line Gen Ed Course for Math Teachers 2/09  
 2008 Statistical Literacy talks at Anderson University and at the Univ. of Kentucky (Lexington) . 10/08  
 2008 Confounder Influence on Attributed Cases, 7/2008. MAA MathFest. Madison, WI  
 2008 Binary Confounders as Mathematical Objects, European Conference Methodology. Oviedo Spain  
 2008 Bayes' Comparisons 1/2008 StatChat, Macalester College (St. Paul, MN) .  
 2007 Civic Engagement: Numbers in the News Oct AACU Civic Learning at the Intersections, Denver  
 2007 Quantitative Literacy Core Concepts 10/2007 Carleton QUIRK Project  
 2007 Teaching Statistical Literacy April NNN Panel, Midwest Sociological Society Chicago  
 2006 Statistical Literacy: An Introduction. 8/2006 Univ. Connecticut  
 2006 Statistical Literacy for Majors without Math Requirements. 3/2006 Univ. Wisconsin QL Conference  
 2006 Mathematics of Association in Quantitative Literacy. 1/2006 MAA  
 2005 Statistical Literacy: Errors Reading Graphs. 12/2005 Kansas City Actuarial Club  
 2005 Statistical Literacy and Critical Thinking, 7/2005 TOC Summer Seminar at Union College  
 2005 Statistical Literacy and Epidemiological Reasoning, 7/2005 TOC Summer Seminar; Union College  
 2005 Quantitative Literacy: Core Concepts, 6/2005 MAA QL Workshop at Macalester College Notes  
 2003 Statistical Literacy Survey, 5/2003 IASSIST Conference.  
 2003 Statistical Literacy at Augsburg, March 2003 Project Status. ,  
 2002 Proposed Survey of Business Statistics Teachers, 8/2002 MSMESB  
 2001 Student Difficulties Reading Tables of Ratios. 12/2001 US Bureau of Census  
 2001 Statistical Literacy: How Does It Relate to Quantitative Literacy. PKAL Snowbird, UT 7/2001  
 2001 Effectiveness of Statistics in Schools of Business. 6/2001 MSMESB Troy NY  
 2001 The Grenada Conjectures: The Future of Statistical Education. University of Grenada Jan 18, 2001.  
 2000 Application for ASA/NSF/BLS/Census Research Program 12/2000  
 2000 Teaching Conditional Thinking Using Ratios. West Conference Teaching Statistics (WCTS1)  
 2000 Teaching Statistics Using Relevant Data. Western Conference on Teaching Statistics (WCTS1)  
 2000 Grammar of Statistics: Rates, Percentages and Risk. 3/2000 Augsburg College  
 2000 Statistical Literacy: Numbers as Information. Wendy Treadwell UMn 2/2000  
 1999 Statistical Literacy: Standards for Content. 11/1999 AMATYC  
 1999 Statistical Literacy: Reading Rates and Percents. 10/1999 APDU

## **IV. GRANTS RECEIVED AND APPLIED FOR**

### **IV-1: GRANTS RECEIVED**

2001-2005      \$500K Grant from the W. M. Keck Foundation  
"to develop Statistical Literacy as an interdisciplinary curriculum for the liberal arts.  
Team members included Dr. Donald Rubin (Harvard) and Dr. Judea Pearl (UCLA).  
For details, see [www.statlit.org/pdf/2000-Schield-Keck-Proposal1.pdf](http://www.statlit.org/pdf/2000-Schield-Keck-Proposal1.pdf)

### **IV-2: PROPOSALS FOR GRANTS, AWARDS AND TEXTBOOK PUBLICATION**

1. Schield, Milo (1999). ASA Ethical Guidelines: Comments and Recommendations. ASA Committee on Professional Guidelines. See [www.statlit.org/pdf/1999-Schield-ASA-Ethics-Committee.pdf](http://www.statlit.org/pdf/1999-Schield-ASA-Ethics-Committee.pdf)
2. Schield, Milo (2000). Application for the ASA/NSF/BLS/Census Bureau Fellowship Program. [www.StatLit.org/pdf/2000SchieldCensusASA.pdf](http://www.StatLit.org/pdf/2000SchieldCensusASA.pdf)
3. Schield, Milo (2000). Initial 2001 Grant Proposal to the W. M. Keck Foundation. [www.StatLit.org/pdf/2000-Schield-Keck-Proposal1.pdf](http://www.StatLit.org/pdf/2000-Schield-Keck-Proposal1.pdf)
4. Schield, Milo (2001). Revised 2001 Grant Proposal to the W. M. Keck Foundation. [www.StatLit.org/pdf/2001-Schield-Keck-Proposal2a.pdf](http://www.StatLit.org/pdf/2001-Schield-Keck-Proposal2a.pdf) and [2001-Schield-Keck-Proposal2b.pdf](http://www.StatLit.org/pdf/2001-Schield-Keck-Proposal2b.pdf)
5. Schield, Milo (2006). NSF Grant Proposal: Developing a Statistical Literacy Turnkey Training System. 2006 NSF. Copy at [www.statlit.org/pdf/2006-Schield-NSF.pdf](http://www.statlit.org/pdf/2006-Schield-NSF.pdf)
6. Schield, Milo (2014a). PKAL-TIDES Grant Proposal. [www.statlit.org/pdf/2014-Schield-PKAL.pdf](http://www.statlit.org/pdf/2014-Schield-PKAL.pdf) or at [www.StatLit.org/pdf/2014-Schield-PKAL-TIDES-Proposal.pdf](http://www.StatLit.org/pdf/2014-Schield-PKAL-TIDES-Proposal.pdf)
7. Schield, Milo (2014b). NSF IUSE Grant Proposal. At [www.statlit.org/pdf/2014-Schield-NSF.pdf](http://www.statlit.org/pdf/2014-Schield-NSF.pdf)  
Cover page at [www.StatLit.org/pdf/2014-Schield-NSF-IUSE-Proposal.pdf](http://www.StatLit.org/pdf/2014-Schield-NSF-IUSE-Proposal.pdf)
8. Schield, Milo (2015a). USCOTS 2015 Lifetime Achievement Award Nomination Packet. [www.statlit.org/pdf/2015-USCOTS-Schield-Lifetime-Nomination-Packet.pdf](http://www.statlit.org/pdf/2015-USCOTS-Schield-Lifetime-Nomination-Packet.pdf)
9. Schield, Milo (2015b). Nomination for the ASA-Pearl 2015 Causality Award. [www.statlit.org/pdf/2015-Schield-Pearl-Causality-Award-Submission.pdf](http://www.statlit.org/pdf/2015-Schield-Pearl-Causality-Award-Submission.pdf)
10. Schield, Milo (2015c). Wiley Textbook proposal: Practical Statistics for Professionals. [www.statlit.org/pdf/2015-Schield-Wiley-Book-Proposal.pdf](http://www.statlit.org/pdf/2015-Schield-Wiley-Book-Proposal.pdf)

## Papers Sorted by # Google Scholar Citations

Rnk	GSC	Year	Journal/Conference	Statistics Papers (Titles may be abbreviated)
	666		<b>Statistics citations</b>	
1	108	2004	<b>IASSIST Quarterly</b>	<b>Information Literacy, Statistical Literacy and Data Literacy</b>
2	58	1999	<b>APDU Magazine</b>	<b>Statistical literacy: Thinking critically about statistics</b>
3	53	2006	IASSIST (Michigan)	Statistical Literacy Survey Results
4	40	2010	<b>Stat Ed: Book/Chapter</b>	<b>Assessing Statistical Literacy: Take Care</b>
5	36	2004	<b>IASE (Sweden)</b>	<b>Statistical Literacy Curriculum Design</b>
6	29	1999	JSM (Baltimore)	Simpson's Paradox and Cornfield's Conditions
7	27	2002	ICOTS (S. Africa)	Three Kinds of Statistical Literacy: What Should We Teach?
8	26	2000	ASA JSM (Indiana)	Stat Lit: Difficulties in Describing and Comparing Rates & Percentages
9	26	2006	<b>ASA (Stats Mag)</b>	<b>Understanding Confounding from Lurking Variables using Graphs</b>
10	23	2004	<b>AAC&amp;U Peer Review</b>	<b>Statistical Literacy and Liberal Education at Augsburg College.</b>
11	22	2008	<b>MAA: Book/Chapter</b>	<b>Quantitative Literacy and School Mathematics: Percentages and Fractions</b>
12	20	1995	JSM (Orlando)	Correlation, determination and causality in introductory statistics
13	18	2010	<b>IAOS Journal</b>	<b>Statistical literacy: A new mission for data producers</b>
14	14	1998	ASA JSM (Dallas)	Statistical literacy and evidential statistics
15	14	2000	ICME (Tokyo)	Statistical Literacy And Mathematical Thinking
16	12	2004	AERA (San Diego)	Frequency of Simpson's Paradox in NAEP Data
17	11	2007	Am Soc Assoc	Teaching the Social Construction of Statistics
18	9	1997	JSM (Annaheim)	Interpreting Statistical Confidence
19	8	2008	ASA JSM (Denver)	S+S: tudent Attitudes toward Statistics at Augsburg College
20	7	2005	JSM (Minneapolis)	Online Program: Decodes English Describe & Compare of Pctgs & Rates
21	7	2006	ICOTS7 (Brazil)	Stat literacy survey analysis: Reading graphs & tables of rates & pctngs
22	7	2006	ASA JSM (Seattle)	Percentage Graphs in USA Today Snapshots Online
23	7	2009	MAA JMM ()	Quantitative Graduation Requirements at US Four-Year Colleges.
24	6	1999	<b>APDU Magazine</b>	<b>Common errors in forming arithmetic comparisons</b>
25	6	2004	ICME10 (Denmark)	Three graphs to promote statistical literacy
26	5	2007	JSM (Salt Lake C.)	S&S: Numbers in the News: A Survey
27	4	1996	ASA JSM (Chicago)	Using Bayesian inference in classical hypothesis testing
28	4	2005	ISI (Sydney)	Statistical Literacy: An Evangelical Calling for Statistical
29	4	2007	IASE (Portugal)	Statistical Literacy: Factual Assessment ..For Hypothetical Thinking
30	3	1994	JSM (Toronto)	Random Sampling versus Representative Samples
31	3	2001	ASA JSM (Atlanta)	Statistical Literacy: Reading Tables of Rates and Percentages
32	3	2002	JSM (New York)	Algebraic Relations between Relative Risk, Phi .. .in 2x2 Tables
33	3	2005	IASE (Sydney)	Statistical Prevarication: Telling Half-Truths using Statistics
34	3	2005	JSM (Minneapolis)	Statistical Literacy and Chance
35	3	2008	PKAL (Carleton C.)	Statistical Literacy Skills Survey
36	3	2008	ASA JSM (Denver)	Raymond & Schield: Numbers in the News: A Survey
37	3	2013	JSM (Montreal)	Statistics Education: Steadfast or Stubborn?
38	3	2014	ECOTS (online)	Two Big Ideas for Teaching Big Data: Coincidence & Confounding.
39	3	2014	ICOTS (Flagstaff)	Odyssey: A Journey to Lifelong Statistical Literacy
40	3	2007		Statistical Literacy 2007 Textbook
41	2	1996	MSMESB (Alaska)	The Goal of Introductory Statistics: Reasoning about Data
42	2	1998	ICOTS (Singapore)	Using Bayesian Strength of Belief to Teach Classical Statistics
43	2	2001	Bus. Comm (Wis.)	Describing Rates and Percentages in Tables
44	2	2005	QR (Carelton)	Quantity Words without Numbers: Why Students use 'Many'
45	2	2010	ICOTS (Ljulijana)	Association-Causation Problems in News Stories
46	2	2012	MAA JMM ()	Coincidence in Runs and Clusters
47	2	2015	ASA JSM (Seattle)	Statistical Inference for Managers
48	1	1997	(Minneapolis)	Philosophical Issues in Statistical Inference
49	1	2009	MAA JMM ()	Numeracy: Assessing Basic Skills and Knowledge.
50	1	2009	JSM (Wash. DC)	with Raymond: Distinguishing Association from Causation in Headlines
51	1	2009	JSM (Wash. DC)	Confound Those Speculative Statistics
52	1	2011	IASE Ireland	All Statistics are Socially Constructed
53	1	2011	ISI Dublin	Epidemiological Models and Spotty Statistics
54	1	2016	<b>IASE (Berlin)</b>	<b>Offering Stat 102: Social Statistics for Decision Makers</b>
55	1	2016	ASA JSM (Chicago)	Augsburg Students Evaluations of STAT 102

Rnk	GSC	Year	Journal/Conference	Statistics Papers (Titles may be abbreviated)
56	0	2008	NNN	Analyzing Numbers in the News: Critical-Thinking Structured Approach
57	0	2008	ASA JSM (Denver)	Von Mises' Frequentist Approach to Probability
58		1999	JSM (Baltimore)	ASA Ethics Committee Guidelines: Comments & Recommendations
59		2003	JSM (San Fran.)	Confounder-Induced Spuriousity and Reversal: Algebraic Conditions
60		2003	Olomouc, Czech Rep.	Statistical Literacy: Seeing how Statistical Significance is Contextual
61		2004	ASA JSM (Toronto)	Confounder Resistance & Confounder Intervals for a Binary Confounder
62		2005	KC Actuarial Club	Statistical Literacy: Errors Reading Graphs (Slides only)
63		2006	MAA JMM ()	Binary Confounders.... : Confounder Influence and Confounder Intervals
64		2006	IASSIST (Michigan)	Statistical Literacy Workshop using a web-based Learning Object
65		2006	IASSIST (Michigan)	Introduction to an Online Ratio Statement Validator
66		2007	JSM (Salt Lake C.)	S+Burnham: Grammar of Statements Involving "Chance"
67		2010	JSM (Vancouver)	The Social Construction of Ranks
68		2011	MAA JMM ()	Teaching Statistical Literacy using Odyssey2Sense: Unique Web Forum
69		2011	ASA JSM (Miami)	Describing Arithmetic Relations Using Informal Grammar.
70		2011	NNN (N. Carolina)	Teaching Teachers Statistical Literacy Online.
71		2012	JSM (San Diego)	How Causal Heterogeneity Influences Stat. Significance in Clinical Trials
72		2013	MBAA (Chicago)	Reinventing Business Statistics: Statistical Literacy for Managers
73		2015	USCOTS (Pa)	Statisticians: Making our World a Better Place (Video)
74		2015	USCOTS (Pa)	What is Wrong with THE Introductory Statistics Course
75		2017	<b>SERJ Journal</b>	<b>GAISE 2016 Promotes Statistical Literacy</b>
76		2017	ASA JSM (Baltimore)	Teaching Logistic Regression using Ordinary Least Squares in Excel

Rnk

475	Total		SPACE PHYSICS TOTALS
GSC	Year	Journal/Conference	TITLE
1	193	1968	<b>J. Geophy Research</b> <b>A source for field-aligned currents at auroral latitudes</b>
2	145	1970	<b>J. Geophy Research</b> <b>Electron observ. b/t inner edge of plasma sheet and plasmasphere</b>
3	121	1969	<b>J. Geophy Research</b> <b>Pressure Balance between Solar Wind and Magnetosphere</b>
4		1969	<b>J. Geophy Research</b> <b>Correction to Schield "Pressure balance between solar wind &amp; magnetosphere"</b>
5	6	1969	Tech Report Drift of noninteracting charged particles in a simple geomagnetic field
6		1970	Tech Report Electron observ. b/t inner edge plasma sheet & plasmasphere: Report
7	10	1968	Thesis Configuration of Geomagnetic Field Lines above Auroral Zones
5	Total		PHILOSOPHY PAPERS
GSC	Year	Journal/Conference	TITLE
1	4	2005	PKAL (Online) Making Science a Core Liberal Art for the 21st Century
2	1	2004	<b>Int Jrnl of Humanities</b> <b>Resolving Three Key Problems in the Humanities.</b>

**Cites:** Citations of this paper in other papers

Titles in Bold: Papers that have been peer or editor reviewed.

Source: **Google Scholar Citations** <https://scholar.google.com/citations?user=vP3L0sUAAAAJ>

GSC

14 h-index: 14 statistics papers with at least 14 citations each

17 i10 index: # of statistics papers with at least 10 citations

55 i1: # statistics papers with at least one citation