

**Eiki Satake**

90 Kodiak Way #2721  
Waltham MA 02451  
(781) 209-1427 (home)  
(617) 824-8295 (work)  
(781) 724-9935 (cell)

**Marital Status** : Married, wife Mary S. Satake

**Citizenship** : U.S.A and Japan (Dual Citizenship)

**Education:**

**Teachers College, Columbia University, New York, New York**

Doctor of Philosophy in Applied Statistics with Honors, Doctoral Dissertation : “ Curricular materials for teaching probability and linear algebra with applications to the behavioral and social sciences to undergraduate females .” May, 1988

Master of Science in Applied statistics with Honors, May, 1982

Master of Education in Mathematics and Statistics education with Honors, May, 1982

**University of California at Berkeley, Berkeley, California**

Bachelor of Art in Mathematics, Summer,1979

**Full-Time Teaching Experience**

Emerson College, Boston, MA, 1988-present

Full Professor of Statistics and Mathematics (Tenured as of September, 1995)

**Courses Taught**

Undergraduate Level

Special Topics in Mathematics, College Algebra, College Mathematics, Statistics, Intermediate Statistics, Mathematical Statistics, Real Analysis, Numerical Analysis, Calculus 1,2, and 3, Differential Equation, Business Mathematics, Research Methods in Communication

Graduate Level

Research Methods in Communication Disorders (both Master's and Ph.D's Level)

## **PUBLICATIONS and CONVENTION PAPERS**

### **1. Textbooks / Instructional Work Books**

Satake, E. (2014). *Statistical methods and reasoning for the clinical sciences: Evidence-based practice*. Plural Publishing Company, San Diego, CA.

Amato, P.P. & Satake, E. (2008). *Introduction to Statistics: A First Course*. Dubuque, IA: Kendall/Hunt Publishing.

Satake, E., Jagaroo, V. & Maxwell, D.L. (2008). *Handbook of statistical methods: Single-subject designs*. San Diego, CA: Plural Publishing Company.

Satake, E., Maxwell, D.L., & Jagaroo, V. (2005). *Electronic classroom manager instructor's manual: Research and statistical methods in communication sciences and disorders*. Clifton Park, NJ: Delmar Thomson Learning.

Maxwell, D.L. & Satake, E. (2005). *Research and statistical methods in communication sciences and disorders*. Clifton Park, NJ: Thomson Learning Publisher.

Satake, E. & Amato, P. (1997). *Mathematical reasoning: Sets, logic, and probability*. Denton, TX: RonJon Publishers, Inc. Selected by Mathematical Association as part of its Basic Library List, Finite Math category.

Maxwell, D.L. & Satake, E. (1997). *Research and statistical methods in communication disorders*. Baltimore, MD: Williams and Wilkins.

Satake, E. (1994). *Summary of mathematical statistics*. Denton, TX: RonJon Publishers, Inc.

Satake, E., Amato, P. & Gilligan, W. (1994). *Actuarial mathematics of finance*. Denton, TX: RonJon Publishers, Inc. Selected by the American Mathematical Association as part of its Basic Library List, Advanced Business Mathematics Category.

Satake, E. & Maxwell, D. (1993). *Theory of probability for clinical diagnostic testing*. Denton, TX: RonJon Publishers, Inc.

Satake, E., Amato, P. & Hansson, S. (1993). *A brief summary of statistical inference*. Needham, MA: Ginn Press.

## 2. JOURNAL ARTICLES

### Referred (Published)

Page, R. & Satake, E. (2017). Beyond P values and Hypothesis Testing: Using the Minimum Bayes Factor to Teach Statistical Inference in Undergraduate Introductory Statistics Courses, *Journal of Education and Learning*, Vol. 6, No. 4; 2017  
ISSN 1927-5250 E-ISSN 1927-5269 Published by Canadian Center of Science and Education.

Maxwell, D.L., & Satake, E. (2017). Bewitched, Bothered, Bewildered by the p value? The Bayesian Alternative and Evidence-Based Practice in Communication Sciences and Disorders, *American Speech-Language Hearing Association Access Academic & Research Journal (online)*, March issue.

Satake, E. (2016). An extended validity and reliability of Attitude towards Statistics Scale instrument: Attitude towards statistics among Japanese college students, *Journal of Mathematics Education at Teachers College (JMETC)*, winter/spring issue.

Satake, E., Vashlishan-Murray, A. (2015). An Alternative Teaching Method of Conditional Probabilities and Bayes' Rule: An Application of the Truth Table, *Teaching Statistics*, Spring issue

Satake, E. (2015). Fundamentals of Clinical Decision Making Analysis for SLP and Audiologists: Evidence Based Approach, *Plural Community*, June.

Satake, E. (2015). A validity study: Attitudes towards statistics and course achievement among Japanese college students. *New Jersey Mathematics Teachers Journal*, 73 (1), 14-25.

Satake, E. & Vashilian-Murray, A. (2014). Teaching an application of Bayes' rule for legal decision making: Measuring the strength of evidence. *Journal of Statistics Education*, 22(1).

Satake, E. (2014). Evidence-based statistics for clinical professionals: What really prevents us from moving forward. *Allied Health*, Louisiana State University.

Satake, E. (2010). Moving forward to evidence based statistics: What really prevents us? *Plural Community*, August.

Satake, E. & Amato, P. (2008). An alternative version of conditional probabilities and Bayes' rule: An application of probability logic. *The AMATYC Review*, 29 (2), 41-50.

Satake, E. & Jagaroo, V. (2008). Single subject designs and clinical neuropsychology: Statistical methods for clinical practice. *Clinical Neuropsychology*, 22(3).

Amato, P. & Satake, E. (2007). A Bayesian model of interpersonal transactions in a business setting. *Business Research Yearbook*, 14(1-2).

Satake, E. & Amato, P. (2007). A Bayesian model of interpersonal transactions in a business setting. *International Academy of Business Discipline, Business Research Year Book*.

Satake, E. & Amato, P. (2003). Plausible reasoning and interpersonal communication transactions: The potential utility of Bayesian principles. *Proceeding of the Hawaii International Conference on Business*.

Satake, E. & Maxwell, D.L. (2002). Infant hearing screening: Determining test accuracy. *Book of Abstracts: NHS Press*.

Satake, E. & Amato, P. (1999). Probability and law: A Bayesian approach. *Bulletin of the International Statistical Institute*, 3, 225-227, ISI Press, Helsinki. August

Satake, E. & Amato, P. (1995). Mathematics anxiety and achievement among Japanese elementary school children. *Journal of Educational and Psychological Measurement*. 55, 6, 1000-1007

Satake, E. (1994). Bayesian inference in polling technique: 1992 Presidential Polls. Special issue of *Communication Research on 1992 election studies*. 21, 3, 396-407

Satake, E. (1993). Bayesian statistics and polling. *Massachusetts Journal of Communication*. Vol 12, 1, 62-71

Satake, E. (1993). Effect of prior specification on Bayesian design for two-sample comparison of a binary outcome. *MAA Proceedings*, 15.

Satake, E., Amato, P. & Gilligan, W. (1990). Using  $n \times m$  contingency table to determine Bayesian probabilities. *Conference Proceedings of New England Mathematics Association of Two Year Colleges*, 77-84.

### **3. In preparation (under review)**

A Tutorial: Implementing Bayes Factor into teaching hypothesis tests and p value: An alternative way for measuring the strength of statistical evidence” to *Communication Measures and Methods* and is currently under review.

**CONVENTION PAPERS (Peer Reviewed Presentations, chief authored by Eiki Satake)**

*Building New Bridges between Clinicians & Researchers: How to Improve Evidence-Based Practice* .3 Hour Short Course (with David Maxwell) at the annual 2017 ASHA Convention, Los Angeles, CA, November 10, 2017.

*Objectivity and Subjectivity: How Does Each Perspective Contribute to Research and Evidence-Based Practice?* Two-Hour Research Seminar, American Speech-Language Hearing Association Convention, Philadelphia, PA, November 17-20, 2016.

*Innovative Strategy: Calculate Probability for Complementary Events Logically.* Two-Hour Short Course, New England Mathematics Association for Two-Year Colleges (NEMATYC) conference, Bristol Community College, Fall River, MA, April 28-29, 2017

*Teaching an Application of Bayes' Rule for Legal-Decision-Making: Measuring the Strength of Evidence* (the Keynote research presentation), New England Mathematics Association for Two-Year Colleges (NEMATYC) conference, Cape Cod Community College, MA, April 27-28, 2016.

*Multiple sudden infant death: Coincidence or beyond coincidence in Sally Clark's case,* (the Keynote research presentation), New England Mathematics Association for Two-Year Colleges (NEMATYC) conference, Worcester, MA, March 27-28, 2015.

*Evidence-based statistical methods in single-subject design: How to analyze data statistically and clinically,* American Speech-Language Hearing Association Convention, Orlando, FL, November 20-22, 2014.

*Teaching an application of Bayes' rule for legal decision making: Measuring the strength of evidence* Journal of Statistics Education Webinar Presentation Series, October, 2014.

*An alternative teaching model of teaching conditional probabilities: Truth table approach,* New England Mathematical Association of Two-Year College (NEMATYC), Lowell, MA, April 4-5, 2014.

*Moving forward to evidence based statistics: What really prevents us from moving forward?, (Keynote research presentation at LSU-Allied Health),* Louisiana State University Health Sciences Center, New Orleans, LA, April 11, 2014.

*Evidence-based statistics for clinicians: Basic concepts and ASHA Guidelines, 3-hour Short Course:* American Speech-Language Hearing Association Convention, Chicago, IL November 14-16, 2013

*Set one or set two: Winning strategy in a squash court,* with Drs. B. Atchinson, N. Sedlock, & R. Page, New England Symposium Statistics in Sports, Harvard University, Cambridge, MA, September 21, 2013.

*Historical development of modern probability theory: Fermat, Pascal, and Bayes,* New England Mathematical Association of Two-Year College (NEMATYC), Danvers, MA, April 5-6, 2013.

*Imprecise p value versus precise p value: Measuring the strength of evidence,* New England Mathematical Association of Two-Year College (NEMATYC), Concord, NH, March 30-31, 2012.

*Evidence-based statistics for measuring the strength of the evidence, 3-hour Short Course:* American Speech-Language Hearing Association Convention, San Diego, CA November 18-21, 2011.

*Statistics anxiety and achievement among Japanese college students,* New England Mathematical Association of Two-Year College (NEMATYC), Wellesley, MA, April 29-30, 2011.

*Is Sally Clark guilty or innocent: Only Rev. Thomas Bayes knows,* Edwards Bayesian Research Conference, California State University at Fullerton, January 13-15, 2011.

*Scientific literacy and ethical practice: Time for a check up?, 3-hour Short Course:* American Speech-Language Hearing Association Convention, Philadelphia, PA, November 18-21, 2010.

*Monty Hall problems: Change our way of thinking,* New England Mathematical Association of Two-Year College (NEMATYC), Wellesley, MA, April 8-10, 2010.

*Introduction to factor analysis,* New England Mathematical Association of Two-Year College (NEMATYC), Manchester, NH, April 24-25, 2009.

*Jury decision making: Bayesian perspectives,* New England Mathematical Association of Two-Year College (NEMATYC), Manchester, NH, April 24-25, 2009.

*Evidence-based statistics for clinicians and researchers: Current problems and possible solutions,* with Dr. David Maxwell, American Speech-Language Hearing Association Convention, Chicago, IL, November 16-19, 2008.

*Single subject designs and clinical neuropsychology: Statistical methods for clinical practice,* American Academy of Clinical Neuropsychology annual conference on “*Excellence in Clinical Practice*”, Boston, MA June 19-21, 2008.

*P-value fallacy and Bayesian alternatives: Measure of strength of evidence*, New England Mathematical Association Conference at the Springfield Technical Community College, Springfield, MA, April 11-13.

*A Bayesian beta distribution model: Applications to the communication transactions*, with Dr. Philip P. Amato, Case Studies in Bayesian Statistics Workshop at the Carnegie Mellon University, Pittsburgh, PA, October 18-21, 2007.

*Application of Bayes' rule: The gambler's ruin problem*, with Dr. Philip P. Amato, New England Mathematical Association Conference at the Bristol Community College, Fall River, MA, April 21, 2007.

*A Bayesian model of interpersonal transactions in a business setting*, with Dr. Philip P. Amato, International Academy of Business Discipline Conference, Orlando, Florida, March 29, 2007.

*Analyzing and interpreting single subject data : A tutorial*, with Dr. David Maxwell, American Speech-Language Hearing Association Convention, Miami Beach, FL, November 16-19, 2006.

*Coincidences: Can statistics explain this phenomena?*, with Dr. Philip P. Amato, New England Mathematical Association of Mathematics Conference at the University of New Hampshire-Manchester, Manchester, New Hampshire, April 21-22, 2006.

*Using Bayesian time series for analyzing and interpreting single-subject data*, with David Maxwell, at the bi-annual Case Studies in Bayesian Statistics Workshop at the Carnegie Mellon University, Pittsburgh, PA, September 16-17, 2005.

*Analyzing and interpreting single-subject data: A tutorial*, with Dr. David Maxwell, American Speech-Language Hearing Association Convention, San Diego, CA, November 18-20, 2005.

*Evidence-based practice, scientific literacy, & clinical decision making: A tutorial*, with David Maxwell, American Speech-Language Hearing Association Convention, San Diego, CA, November 18-20, 2005.

*Wall street statistics: Diversify your investment*, with Dr. Philip P. Amato, New England Mathematical Association Conference at Bunker Hill Community College, Chalestown, MA, April 8-9, 2005.

*Bayes saves pseudo-friendships among physicians*, 43<sup>rd</sup> Annual Bayesian Research Conference, California State University, Fullerton, CA, January 13-15, 2005.

*Metaphonological skills of children who stutter: Evidence from phonemic reversal*, with M. Kahn & A. Bajaj, American Speech-Language Hearing Association Convention, Philadelphia, PA, November 13-15, 2004.

*Analyzing interpersonal transactions: Two statistical methodologies*, with Dr. Philip P. Amato, Eastern Communication Association Convention, Boston, MA, April 22-25.

*New probability rules of succession: An alternative version of Laplace's rule*, with Philip P. Amato, New England Mathematical Association of America, April 2-3, 2004.

*Role of Training and Methodology in Observations and Stuttering Behaviors*, with Drs. Amit Bajaj and David L. Maxwell, American Speech-Language Hearing Association Convention, Chicago, Illinois, Nov 13-16, 2003.

*Principles and processes of tests and measurements: Tutorial*, with David L. Maxwell, American Speech-Language Hearing Association Convention, Chicago, Illinois, November 13-16, 2003.

*A Bayesian approach to determining inter-rater reliability among multiple assessors in stuttering measurement*, Case Studies in Bayesian Statistics Workshop at the Carnegie Mellon University, Pittsburgh, PA, September 12-14, 2003.

*Plausible reasoning and interpersonal communication transactions: The potential utility of Bayesian principles*, with Dr. Philip Amato, Hawaii International Conference on Business at the University of Hawaii, Honolulu, Hawaii, June 18-21, 2003.

*Attitudes toward statistics and course achievement among Japanese and American college students*, with Dr. Philip Amato, New England Region of Mathematics Association of America at the Framingham State College, Framingham, MA, November 22-23, 2002.

*Introduction to Bayesian statistics*, with Dr. Philip Amato, New England Association of Two-Year Colleges at the Johnson & Wales University, Providence, R.I., March 28-29, 2003.

*Infant hearing screening: Determining test accuracy*, with Dr. D. L. Maxwell, NHS Conference, Milan, Italy, May 28-31, 2002.

*Potential utility of Bayesian principles: Derivation of twelve jury decision*, with Dr. P. P. Amato, Annual Conference of Eastern Communication Association, New York City, NY, April 25-28, 2002. **(The Best Paper Award)**

*Probability logic: Applications to the Bayes' formula*, with Dr. Philip P. Amato, Annual Conference of the New England Mathematical Association, Danvers, MA, April 5-7, 2002.

*Assessing the accuracy of diagnostic tests*, with Dr. David L. Maxwell and Ms. Kathleen Thomas, American Speech-Language Hearing Association Conference in New Orleans, Louisiana, November 14-18, 2001.

*The application of Bayesian statistics in communication research*, with Dr. Philip P. Amato, 92<sup>nd</sup> Annual Conference of Eastern Communication Association, Portland, Maine, April 25-29, 2001.



*The application of Bayesian principles in the analysis of interpersonal communication transactions*, with Philip P. Amato, 92<sup>nd</sup> Annual Conference of Eastern Communication Association, Portland, Maine, April 25-29, 2001.

*Inverse probability: Simplification of the Bayes' rule*, with Philip P. Amato, Annual Conference of the New England Mathematical Association, Lowell, MA, April 20-21, 2001. (**The Best Paper Award**)

*Plausible reasoning and interpersonal communication transactions: The potential utility of Bayesian principles*, with Dr. Philip P. Amato, 91<sup>st</sup> Annual Conference of Eastern Communication Association in Pittsburgh, Pennsylvania, April 27-30, 2000.

*Assessing diagnostic test accuracy: A probabilistic approach*, with Dr. David L. Maxwell, American Speech-Language and Hearing Society Conference, San Francisco, California. November 18-21, 1999.

*Probability and law: A Bayesian approach*, Case Studies in Bayesian Statistics Workshop 5, Carnegie Mellon University, Pittsburgh, PA. September 24-25, 1999.

*Bayesian analysis of plausible reasoning*, with Dr. Phil Amato, 25<sup>th</sup> Annual Conference of New England Mathematics Association of two-year colleges, Manchester, New Hampshire, April 9-10, 1999.

*Determining overall accuracy of a predicted audiometric screening test through parametric empirical Bayes analysis*, with David Maxwell, 1997 Case Studies in Bayesian Statistics Workshop 4 at Carnegie Mellon University, Pittsburgh, PA, September, 26-27, 1997.

*Model for major league home run hitters during years 1870-1995*, Society of American Baseball Research Conference, Kansas City, Missouri. August 1996.

*An application of Bayesian method to the diagnosis of stuttering: Predicting the prevalence of a particular symptom*, Third annual case studies in Bayesian Statistics Conference at Carnegie Mellon University, Pittsburgh, PA, October 1995.

*Verbal memory of adult dyslexics*, with Dr. David Maxwell and Dr. Mary-Beth Christensen, Orton Dyslexia Society Annual Conference, Los Angeles, California, November 9-12, 1994.

*Math achievement and anxiety among American elementary school children*, with Dr. Philip Amato, New England Educational Research Organization Conference, Rockport, Maine. April 1994.

*Using a Venn diagram to determine the validity of a statement: An alternative teaching strategy of mathematical logic*, New England Association of Mathematics Conference, Mt. Wachusett, MA, January, 1994.

*Are prefixes suffixes?*, with Dr. Loraine Obler, Annual Linguistic Society of America Conference, Boston, MA, January, 1994.

*Verbal memory of adult dyslexics*, with D. Maxwell, Orton Dyslexia Society, Boston, MA, 1994.

*Applications of Bayesian statistics to the diagnosis of stuttering*, with Dr. David Maxwell, American Speech-Language and Hearing Society Conference, Anaheim, CA, November, 1993.

*Math attitudes among Japanese and American elementary school students*, with Dr. Philip Amato, New England Educational Research Organization Conference, Portsmouth, NH, April, 1993.

*Using Bayesian statistical methods to evaluate diagnosis of stuttering: Applications for communication disorders*, with Dr. David Maxwell, International Biometric Society Conference, Philadelphia, PA, March, 1993.

*Bayesian statistical point of view*, New England Mathematical Association for two-year colleges, Middletown, CT, March, 1993.

*Temporal order processing in adult dyslexics*, American Speech and Hearing Association, Boston, MA, November, 1992.

*Applications of Bayesian inferencing of public opinion polling results*, International Society for Bayesian Analysis Conference, San Francisco, CA, August, 1992.

*Mathematics anxiety and students in communication studies and performing arts*, New England Educational Research Organization Conference, Portsmouth, NH, May, 1992.

*Fundamentals of biostatistics and epidemiology for pre-medicine and science majors: Using the concepts of a conditional probability and Bayes rule to determine accuracy of a screening test for medical disease*, New England Association of Mathematics Conference, Brockton, MA, March, 1992.

*Test construction theory of mathematics placement*, New England Association of Mathematics Conference, Brockton, MA, March, 1992.

*Mathematics attitude difference between Japanese and American third graders*, New England Association of Mathematics Conference, Portsmouth, NH, May, 1991.

*Bruner's discovery learning and factoring polynomial equations*, New England Association of Mathematics Conference, Brockton, MA, March, 1991.

*Teaching strategy of introductory statistics*, New England Research Organization Conference, Rockport, ME, May, 1990.

*Bayesian probabilities*, New England Association of Mathematics Conference, Wellesley, MA, March, 1990.

### **List of Textbook Adoption (Partial Listing)**

**[Book] “Research and Statistical Methods in Communication Disorders (Williams and Wilkins, 1997)**

- Emerson College
- University of Illinois-Urbana
- Loma Linda University
- Yale University
- University of South Florida
- University of Illinois-Chicago
- Rush Medical Center
- University of Iowa
- Louisiana State University
- Johns Hopkins University
- Michigan State University
- University of Missouri-Columbus
- University of Nebraska
- Umdnj-nj Medical School
- Mt. Sinai School of Medicine
- New York University
- University of Rochester
- SUNY-Syracuse
- University of Cincinnati
- Oregon Health Science University
- Jefferson Medical College
- University of Pennsylvania
- University of Pittsburgh
- Temple University
- Vanderbilt University
- University of Utah
- University of Virginia
- University of Washington
- University of Wisconsin
- Midwest Library Service
- Framingham State College
- University of South Alabama
- Ohio University
- Marshall University

- University of Kansas
- Valdosta State College
- University of Redlands
- University of Wisconsin-Stevens Point
- University of British Columbia (Canada)
- University of Montreal (Canada)
- Golden Gate University
- University of Mobile
- Les Presses De L'univ Laval (Canada)
- Dalhousie University (Canada)
- McGill University (Canada)
- University of Toronto (Canada)
- University of Alberta (Canada)
- University of Manitoba (Canada)

**[Book] “Research and Statistical Methods in Communication Sciences and Disorders (Thomson Delmar Learning, 2006)**

- Arizona State University
- Bloomsburg University
- Brigham Young University
- East Tennessee State University
- Gallaudet University
- Hampton University
- Harvard University
- Ithaca College
- University of Mississippi (Ole Miss)
- Jackson State University
- Miami University
- Minot State University
- Texas State University
- University of Central Florida
- University of Florida
- University of Minnesota-Duluth
- University of Rhode Island
- University of Texas
- University of Utah
- Vanderbilt University
- University of North Carolina
- SUNY-Fredonia
- Kansas State University
- Rehabilitation Council of India (India)
- Louisiana State University---School of Allied Health
- Emerson College

**[Book] A Handbook of Statistical Methods: A Single Subject Design (Plural Publishing, 2008)** [As of August 1, 2015, currently no direct information is available. Based on Plural Publishing Marketing Department and World cat.com, **115 educational institutions worldwide have either adopted and/or reserved a copy in their libraries. For further information, please see below and the attached document submitted.**

- The Royal Library, Copenhagen University, Denmark
- Department of Education/Curriculum Studies, Washington, D.C.
- University of Southern California Department of Health Sciences
- Eastern Illinois University
- Florida State University
- Kennedy Krieger Institute
- American Psychological Institute
- Purdue University
- Southwest Missouri State University
- University of Texas at Dallas
- Worcester State College
- George Washington University
- Emerson College
- Louisiana State University---School of Allied Health
- Boston College
- Icahn School of Medicine at Mount Sinai
- New York University
- University of Quebec (Quebec, Montreal, Canada)
- Bibliotheque de l'Universite Laval (Quebec City, Canada)
- University of Ottawa (Ottawa, Canada)
- Library of Congress (Washington, D.C)
- University of Ontario Institute of Technology (Ottawa, Canada)
- Edinboro University of Pennsylvania
- Old Dominican University
- Virginia Commonwealth University
- University of Pittsburgh
- University of Pittsburgh Medical Center
- Duquesne University
- Westminster College
- James Madison University
- Wayne State University
- University of North Carolina-Chapel Hill
- University of North Carolina at Greensboro
- Ohio STATE University
- University of Toledo
- Wright State University

- Indiana University-Purdue University Fort Wayne
- Grand Valley State University
- University of Kentucky Medical Center
- Lincoln Memorial University
- Ruth Lilly Medical library-Indiana University School of Medicine
- University of Tennessee
- Purdue University
- Northwestern University
- Marquette University
- Medical College of Wisconsin
- Indiana State University
- Alabama A&M University
- Murray State University
- Jacksonville University
- Mayo Clinic Library
- Saint Louis University
- Southeast Missouri State University
- University of Iowa
- University of Minnesota Duluth
- University of Northern Iowa
- University of Wisconsin-Eau Claire
- University of Wisconsin-River Falls
- Arkansas State University
- Des Moines University
- Mississippi University for Women
- University of Minnesota
- University of Missouri-Columbia Health Sciences
- University of South Florida
- Creighton University-Health Sciences
- University of Central Arkansas
- University of Nebraska-Medical Center
- University of North Dakota
- Xavier University of Louisiana
- Oklahoma State University
- University of Kansas-School of Medicine Wichita
- Texas Southern University
- University of North Texas Health Sciences Center
- University of Texas at Arlington
- Abilene Christian University
- Houston Academy of Medicine-Texas Medical Center
- University of Mary Hardin-Baylor
- University of Texas at San Antonio
- University of Wyoming
- Grant MacEwan University (Edmonton, Canada)

- University of Alberta (Edmonton, Canada)
- University of Texas at El Paso
- University of Utah-Eccles Health Sciences
- Veterans Affairs Medical Center-Salt Lake City
- Eastern Washington University
- Nevada State College
- Fred Hutchinson Cancer Research Center
- Loyola Marymount University
- Occidental College
- Portland State University
- University of British Columbia (Vancouver, Canada)
- University of California-Irvine
- University of Southern California, Norris Medical Library
- Pepperdine University
- San Jose State University
- Stanford University Libraries
- University of California-Davis Health Sciences
- National University of Ireland-Galway (Galway, Ireland)
- University College Cork Library (Cork, Ireland)
- University of Birmingham (Birmingham, UK)
- Bibliotheque interuniversitaire de sante (Paris, France)
- Danish Union Catalogue and Danish National Bibliography (Ballerup, Denmark)
- Hochschule fur Angewandte Wissenschaft und Kunst Hildesheim/Holzminen (Hildesheim, Germany)
- Universite de Strasbourg (Strausborg, France)
- Bibliothek der Freien Universitat Berlin (Berlin, Germany)
- Shanghai Library (Shanghai, China)
- North West University Library-Mafikena Campus (Mimabatho, South Africa)
- The Chinese University of Hong Kong (Shatin, Hong Kong)
- University of Hong Kong (Hong Kong)
- University of KWAZULU Natal Library (Durban, South Africa)
- University of Auckland (Auckland, New Zealand)
- University of Canterbury (Christchurch, New Zealand)
- University of Queensland (Queensland, Australia)
- University of Sydney Library (Sydney, Australia)
- Macquarie University (Australia)
- Charles Sturt University Library (Bathurst, Australia)
- Curtin University Library (Western Australia)

**[Book] “Statistical Methods and Reasoning for the Clinical Sciences: Evidence-Based Approach” (Plural Publishing, 2014)---** As of August 1, 2015, currently no direct information is available. Based on Plural Publishing Marketing Department and World cat.com, **71**

**educational institutions worldwide have either adopted and/or reserved a copy in their libraries. For further information, please see below and the attached document submitted.**

- Northeastern University
- University of Massachusetts—Amherst
- Norwich University
- Columbia University in the city of New York
- Concordia University (Montreal, QC, Canada)
- McGill University (Montreal, QC, Canada)
- University of Pennsylvania
- Universite Sainte-Anne (Pointe-de-l’Eglise, NS, Canada)
- University of Delaware
- Bucknell University
- Johns Hopkins University
- University of Maryland
- Library of Congress (Washington, DC)
- Mount Saint Vincent University (Halifax, NS, Canada)
- Dalhousie University Law School (Halifax, NS, Canada)
- Dalhousie University, Killam Memorial Library (Halifax, NS, Canada)
- University of King’s College (Halifax, NS, Canada)
- Atlantic School of Theology Library (Halifax, NS, Canada)
- Dalhousie University Design & Technology (Halifax, NS, Canada)
- Dalhousie University Health Sciences (Halifax, NS, Canada)
- Nova Scotia College of Arts & Design (Halifax, NS, Canada)
- Saint Mary’s University (Halifax, NS, Canada)
- Dalhousie University-MacRae Library (Truro, NS, Canada)
- Old Dominican University
- Virginia Commonwealth University
- University of Pittsburgh Health Sciences
- Westminster College
- Saint Francis Xavier University
- Western University
- Ohio State University
- University of North Carolina-Charlotte
- Northwestern University-Medical School Library
- Northwestern University
- University of Illinois-Chicago
- Aurora University
- Jacksonville University
- University of North Florida
- Washington University in St. Louis
- University of Memphis
- Hodges University
- University of Nebraska-Omaha



- St. Mary's University
- University of Saskatchewan (Saskatoon, SK, Canada)
- University of Wyoming
- The University of Texas-Pan American
- University of New Mexico Health Sciences
- Grant MacEwan University (Edmonton, AB, Canada)
- Tecnologico de Monterrey (Monterrey, NI, Mexico)
- University of Utah
- Boise State University
- Northwest Nazarene University
- Nevada State College
- Oregon Health & Science University Library
- Pacific University
- University of British Columbia (Vancouver, BC, Canada)
- Washington State University
- Pepperdine University
- University of California-Davis
- University of California-Merced
- University of Strathclyde (Glasgow United Kingdom)
- University Library of Southern Denmark-Odense University Library (Odense, Denmark)
- Danish Union Catalogue and Danish National Bibliography (Ballerup, Denmark)
- Universitätsbibliothek Johann Christian Senckenberg Zentralbibliothek (Frankfurt, Germany)
- University of Hawaii at Manoa
- Weill Cornell Medical College in Qatar (Doha, Qatar)
- University of Stellenbosch-Medical and Health Sciences (Cape Town, South Africa)
- Victoria University of Wellington (Wellington, New Zealand)
- University of Canterbury (Christchurch, New Zealand)
- Bond University (Robina, Australia)
- University of Queensland (St. Lucia, Australia)
- Macquarie University (Macquarie, Australia)
- University of Melbourne (Parkville, Australia).

**Cited by others (312 citations as of 5-01-2017)**

(Google Scholars)

Eiki Satake

Emerson College

[Statistics Education](#)

Verified email at emerson.edu



---

[Citation indices](#) All Since 2010

[Citations](#)            312 141

[h-index](#)             4    4

[i10-index](#)          4    4

200720082009201020112012201320142015

<a href="#">Research and statistical methods in communication sciences and disorders</a> DL Maxwell, E Satake Thomson/Delmar Learning	<a href="#">123</a>	2006
<a href="#">Research and statistical methods in communication disorders</a> DL Maxwell, E Satake Lippincott Williams & Wilkins	<a href="#">93</a>	1997
<a href="#">Mathematics anxiety and achievement among Japanese elementary school students</a> E Satake, PP Amato Educational and Psychological Measurement 55 (6), 1000-1007	<a href="#">55</a>	1995
<a href="#">Handbook of statistical methods: Single subject design</a> E Satake, V Jagaroo, DL Maxwell Plural Publishing	<a href="#">32</a>	2008
<a href="#">Statistical methods and reasoning for the clinical sciences: Evidence-based practice</a> E Satake	<a href="#">4</a>	2015
<a href="#">Bayesian Inference in Polling Technique: 1992 Presidential Polls</a> E Satake Communication Research 21 (3), 396-407	<a href="#">3</a>	1994
<a href="#">A Bayesian model of interpersonal transactions in a business setting</a> PP Amato, E Satake International Academy of Business Discipline Research Year Book 1	<a href="#">1</a>	2007
<a href="#">Probability and Law: A Bayesian Approach</a> E Satake, PP Amato The Bulletin of the International Statistical Institute. Book, 225-227	<a href="#">1</a>	
<a href="#">An alternative teaching method of conditional probabilities and Bayes' rule: an application of the truth table</a> E Satake, A Vashlishan Murray Teaching Statistics 37 (3), 89-95		2015
<a href="#">Evidence-based Statistics for Clinical Professionals: What Really Prevents Us from Moving Forward</a> E Satake		2014
<a href="#">Teaching an Application of Bayes' Rule for Legal Decision-Making: Measuring the Strength of Evidence</a> E Satake, AV Murray Journal of Statistics Education 22 (1), n1		2014
<a href="#">An Alternative Version of Conditional Probabilities and Bayes' Rule: An Application of Probability Logic.</a> E Satake, PP Amato AMATYC Review 29 (2), 41-50		2008

Cited  
by [Year](#)

## Grant Activity

\*Chief Author, "Mathematics Attitude Difference between Japanese and American elementary school children." Emerson College Research Grant, \$1500 was awarded, 1991.

## Professional Activities

\*Appointed as a reviewer of *the Journal of Communication Measurements and Methods*

\*Appointed as a reviewer of *The American Statistician*

\* Appointed as a reviewer of *the Journal of Statistics Education*

\*Appointed as Honorary Faculty Member of Department of Speech Therapy, Tehran University of Medical Sciences, Iran

\*Appointed as Editorial Member of the International Journal of Research in Communication Sciences and Disorders, Tehran University of Medical Sciences, Iran

\*Appointed as a reviewer of *the Journal of Statistics Education (JSE)*

\*Honorary Faculty Membership was awarded from Teheran University Medical Center

\*Invited as **Keynote speaker** from Louisiana State University School of Allied Health, New Orleans, LA

\*Served as Evaluator of the manuscript submitted to *European Journal of Psychology of Education*,

\*Served as U.S.Northeast Regional Officer of the Japanese Association of Educational Research, 1994-1999

\*Served as **President** of the New England Educational Research Organization, 1994-1995

\*Served as the Vice President/Conference Director of the New England Educational Research Organization, 1992-1994

\*Served as statistical consultant for Massachusetts Oncology Nursing Society, 1992-1994

\*Served as member of the Editorial Board of the Journal of Statistics Education, 1992-1994

\*Served as Treasurer of the American Statistical Association Section on Teaching Statistics in Health Sciences, 1991-1994

\*Served as Chief Reviewer of the textbook proposal for Moseby Publishers, Boston, MA,1992

\*Served as statistical consultant for Massachusetts State Public Health Department, on the project “Epidemiological effects on toxic water in Woburn area.” 1988-1990

\*Served as a chairperson on panel for “Applications of Probability” for the annual International Statistical Institute Conference, Helsinki, Finland, August 8-18, 1999

\*Served as Discussant on panels on “Data Analysis” and ‘New ideas in Mathematics Education’ at the New England Educational Research Organization(NEERO) Conference, Portsmouth, NH, April 1996

\*Served as Discussants on panels on “Research Methodology” and “Factor Analysis” at the NEERO Conference, Portsmouth, NH, April 1995

\*Served as Discussants on panels on “At risk population : Students with Physical Learning Disabilities” and “Issues in curriculum development and self-assessment” at the NEERO Conference, Rockport, ME, April 1994

\*Served as Chairperson on panel for “Teacher Education and Staff Development Concerns” at the NEERO Conference, Rockport, ME, April 1994

\*Served as Proposal Reviewer for the 1994 NEERO Conference, Rockport, ME, January 1994

\*Served as Discussant on panel on “Psychometric Theory” at the NEERO Conference, Portsmouth, NH, April 1993

\*Served as Proposal Reviewer for the 1993 NEERO Conference, Portsmouth, NH, January 1993

\*Served as Discussant on panel for “Mathematics Comprehension : Interactive Technology” at the NEERO Conference, Portsmouth, NH, April 1992

\*Served as Proposal Reviewer for the 1992 NEERO Conference, Portsmouth, NH, January 1992

\*Served as Discussant on panel for “Language Instruction and Learning” at the NEERO Conference, Portsmouth, NH, May 1991

### **Manuscripts Review**

- *Journal of Statistics Education*, ‘Markov Processes: Exploring the Use of Dynamic Visualizations to Enhance Student Understanding’ December, 2015.
- *The American Statistician*, “Beyond Normal: Preparing Undergraduates for the Work Force in a Statistical Consulting Capstone.”, December 2014

- *Journal of Statistics Education*, ‘research-informed teaching: On the use of research-based case studies in an introductory course in Bayesian Statistics.’, October, 2014.
- *Communication Methods and Measurement*, “Possible Solution to Publication Bias through Bayesian Statistics, including Proper Null Hypothesis Testing.”, October, 2014
- *European Journal of Psychology of Education*, “An investigation of the validity and reliability of the adapted mathematics anxiety rating scale—short version (MARS-SV) among Turkish students”2009

### **Service to the College**

\***All College Committee** : Spirit Of Emerson Committee (*Chairperson 2014-current*), Faculty Council (1998-1999, 2010-2012), Academic Policy Committee (1990-1992), Library Committee (1988-1990), Faculty Status Promotion and Tenure Committee (1995-1997, 1999-2001, 2004-2005, 2007-2008, *Chaired 200-2001*)

\***All College Sub-Committee** : Racial Awareness Committee (1991-1993), Student Life Committee, NCAA Division 3 Faculty Representative (1989-1999), 403 (b) Committee Faculty Representative (2014-current)

\***School/Departmental Committee** : Departmental Tenure and Promotion Committee (Department of Communication Sciences and Disorders, 2001-2014, Institute of Liberal Arts and Interdisciplinary Studies, 2015-current), Chair Search Committee, School Dean Search Committee, Faculty Search Committee (*Chair 2006-2007*), Curriculum Committee

\***ECC-AAUP** : *President (1999-2004)*, Vice President (1996-1999), Treasurer, a member of the Advisory/Negotiation Team, Departmental Representative of ECC-AAUP Executive Council (2008-current), and *Chief-Negotiator (2001-2003)*

### **Professional Organization (Present and Past)**

\*American Statistical Association (currently in process of renewal)

\*National Councils of Teachers of Mathematics (currently in process of renewal)

\*New England Association of Mathematics for two-Year Colleges (NEMATYC)

\*New England Educational Research Organization

\*International Bayesian Society