

VITA 2018

NAME: CHRISTINE ANNETTE FRANKLIN
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ACADEMIC POSITIONS:

American Statistical Association K-12 Ambassador, September 2016 – December 2024; Emeritus 2025 -
Senior Lecturer Emeritus in Statistics, University of Georgia, July 2016 - present
Senior Lecturer and Lothar Tresp Honoratus Honors Professor
University of Georgia, Department of Statistics, Athens, GA 2008-June 2016
Undergraduate Coordinator
University of Georgia, Department of Statistics, Athens, GA 1999-June 2016
Fellow - Professional Enrichment in UGA Mathematics Education Department – Supported Leave
from the UGA Statistics Department for the Academic Year, August 2008 – May 2009.
Lecturer and Honors Professor
University of Georgia, Department of Statistics, Athens, GA 1989-2008
Lecturer, University of Florida, Department of Statistics, Gainesville, FL 1986-1989
Instructor
West Virginia University Institute of Technology, Department of Mathematics, Montgomery, WV 1982-1986
Instructor, University of North Carolina, Department of Mathematics, Greensboro, NC 1980-1982
Teaching Assistant (Full teaching responsibility of classes)
University of North Carolina, Department of Mathematics, Greensboro, NC 1978-1980

NATIONAL AND INTERNATIONAL RECOGNITIONS:

International Statistical Institute (ISI) Elected Member [2018]
Georgia Council of Teachers of Mathematics Gladys Thompson Lifetime Achievement Award [October 2017]
Fulbright U.S. Scholar to New Zealand [2015]
American Statistical Association Founder's Award [August 2014]
United States Conference on Teaching Statistics (USCOTS) Lifetime Achievement Award [May 2013]
<https://www.causeweb.org/uscots/awards/>
Fellow of the American Statistical Association [Elected 2004]
Mu Sigma Rho National Statistics Honor Society Statistical Education Award [2006]

UNIVERSITY OF GEORGIA HONORS AND AWARDS:

Phi Kappa Phi Honor Society 'Love of Learning' Award [April 2016]
UGA Franklin College International Faculty Exchange Grant awardee [2016]
UGA Teaching Academy, 2008 inducted class member [October 2008]
UGA Lothar Tresp Outstanding Honors Professor Award [2008, 2002, 2001, 1996, 1995]
UGA Sandy Beaver (College of Arts and Sciences) Outstanding Teaching Award [April 1999]

EDUCATION:

1980	MA	Mathematics and Statistics	University of North Carolina, Greensboro
1978	BA	Political Science. & Mathematics (Summa Cum Laude)	University of North Carolina, Greensboro
1974		Valedictorian	Chase High School, Forest City, NC

PROFESSIONAL SERVICE POSITIONS: (Brief selection and descriptions)

Journal Contributions: I have served previously as an: (1) Assistant Editor for the Statistics Education Research Journal (SERJ), (2) Editorial Advisor on the ASA Journal of Educational and Behavioral Statistics management committee, (3) Associate Editor for the Journal of Statistical and Data Science Education, (4) Board of directors member for Technology Innovations in Statistics Education (TISE), Board of Directors member.

Grants: I have participated in appropriately 15 National Science Foundation (NSF) funded grant projects either as an advisor or participating consultant. All the grants have focused on statistics education at the school level. These grants have made significant research contributions to the field of statistics education.

Chair of the American Statistical Association strategic initiative writing groups for (1) Pre-K-12 GAISE - Guidelines for Assessment and Instruction in Statistics Education (2007), (2) SET – The Statistical Education of Teachers (2015). Co-chair with Anna Bargagliotti for ASA strategic writing groups for (1) Pre-K-12 GAISE 2 (2020) and (2) SET 2, an update of SET published in 2015. SET 2 scheduled to publish in 2026.

Served several years on the ASA – NCTM Joint Committee on Curriculum in Statistics and Probability, 3 of those years as chair. Also, a past chair of the ASA Section on Statistics and Data Science Education.

Chief Reader for Advanced Placement Statistics (July 2007-July 2009), Chief Reader Designate (July 2006-July 2007), College Board and Educational Testing Service. In addition to the year-long responsibilities of Chief Reader, I served as a member of the College Board AP Statistics Test Development Committee where my primary responsibility was drafting rubrics for 12 - 18 free response questions per year in addition to writing assessment items. *Question Leader* for the AP Placement Exam in Statistics. Educational Testing Service 2006 and 2005; *Table Leader* for the AP Placement Exam in Statistics; 1997 – 2003.

Consultant and Advisor for the Georgia Department of Education over the years as a statistics content specialist. I have served in several roles as the state has gone through three standards revisions.

Presenter and developer for 50+ K-12 professional development workshops for K-12 teachers. I have been honored to receive invites as a speaker on statistics education for over 100 state, national, and international conferences and seminars.

University service: Throughout my academic career, I served on numerous department and university committees and enjoyed both learning and contributing from these committees. My favorite role was serving as a faculty mentor for junior faculty and students.

US FULBRIGHT SCHOLAR EXPERIENCE [January 2015 – July 2015]:

Project Title: Implementing K-12 Statistics Standards: Comparing Practices in New Zealand and the United States. Delivered keynotes presentations, seminars, and professional development workshops for school level teachers and university teacher educators over the entire country of NZ. Collaborated with NZ university faculty on research that continues to result in book chapters and research journals articles. I worked closely with the NZ Statistical Association and the NZ Ministry of Education.

PROFESSIONAL SOCIETIES MEMBERSHIP:

American Statistical Association (ASA)
Association for Mathematics Teacher Educators (AMTE)
National Council of the Teachers of Mathematics (NCTM)
International Association for Statistical Education (IASE)
International Statistical Institute (ISI)
Georgia Council of the Teachers of Mathematics (GCTM)
Mu Sigma Rho National Statistical Society

PERSONAL INTEREST

When not thinking about statistics education, I enjoy finding time to run (slowly now), backpacking and hiking, playing the piano, reading mysteries, and scoring baseball games. I also enjoy contributing to my church and local community. Most of all, I treasure my time with my husband, our two boys, and our three grandchildren.

PUBLICATIONS in Statistics Education: (Peer Reviewed)

BOOKS

Agresti, A., Franklin, C., & Klingenberg, B. (2021). *Statistics: The art and science of learning from data* (5th ed.). Pearson.

Bargagliotti, A., & Franklin, C. (2021). *Statistics and data science for teachers*. American Statistical Association.

Tabor, J., & Franklin, C. (2019). *Statistical reasoning in sports* (2nd ed.). W. H. Freeman.

Burrill, G., Franklin, C., Godbold, L., & Young, L. (2003). *Data analysis book, grades 9–12*. National Council of Teachers of Mathematics.

POLICY AND MAJORS REPORTS

National Council of Teachers of Mathematics. (2024). *High school mathematics reimagined, revitalized, and relevant*. (Member of the writing team as a statistics educator)

National Council of Teachers of Mathematics. (2020). *Catalyzing change: Initiating critical conversations*. (Member of the writing team as a statistics educator)

Bargagliotti, A., Franklin, C., Arnold, P., Gould, R., Johnson, S., Perez, L., Spangler, D. (2020). *GAISE II: A Pre-K–12 framework for statistics and data science education*. American Statistical Association.

Franklin, C., Bargagliotti, A., Case, C., Kader, G., Schaeffer, R., & Spangler, D. (2015). *The statistical education of teachers*. American Statistical Association.

Franklin, C., Kader, G., Mewborn, D., Moreno, J., Peck, R., Perry, M., & Scheaffer, R. (2007). *Guidelines for assessment and instruction in statistics education (GAISE): A Pre-K–12 curriculum framework*. American Statistical Association.

BOOK CHAPTERS

Peters, S., Bargagliotti, A., Franklin, C. (2024). Engaging and preparing educators to teach statistics and data science. In *The AMTE handbook of mathematics teacher education* (Vol. 5, pp. 123–150).

Budgett, S., Pfannkuch, M., & Franklin, C. (2016). Building conceptual understanding of probability models: Visualizing chance. In *Annual perspectives in mathematics education (APME)*, NCTM, Reston, VA.

Franklin, C., & Mewborn, D. S. (2012). Statistics in the elementary grades: Exploring distributions of data. In *Curriculum issues in an era of Common Core State Standards for Mathematics* (pp.165-173), NCTM.

Garfield, J., & Franklin, C. (2011). Assessment of learning, for learning, and as learning in statistics education. *Teaching statistics in school mathematics – Challenges for teaching and teacher education: A joint ICMI/IASE study* (Chapter 16).

Franklin, C., & Garfield, J. (2006). The GAISE project: Developing statistics education guidelines for grades Pre-K–12 and college courses. In NCTM 2006 Yearbook: Thinking and reasoning with data and chance (pp.345-375).

Franklin, C., & Mewborn, D. S. (2006). The statistical education of Pre-K–12 teachers: A shared responsibility. In NCTM 2006 Yearbook: Thinking and reasoning with data and chance (pp. 335 - 344).

JOURNAL ARTICLES AND PROCEEDINGS

Franklin, C. (2025). Teacher educators take note: What can be learnt from Watson and Fitzallen's interpolation mystery. *Teaching Statistics*, 47(3), 168–169.

Arnold, P., & Franklin, C. (2022). Purposeful questioning within the statistical problem-solving process—Pre K–12 GAISE II. 10.5241/iase.icots11.T2.E4

Arnold, P., Bargagliotti, A., Franklin, C., & Gould, R. (2022). Bringing complex data into the classroom. *Harvard Data Science Review*, 4.

Arnold, P., & Franklin, C. (2021). What makes a good statistical question? *Journal of Statistics and Data Science Education*, 29(1), 122–130.

Bargagliotti, A., Arnold, P., & Franklin, C. (2021). GAISE II: Bringing data into classrooms. *Mathematics Teacher: Learning and Teaching PK–12*, 114, 424–435.

Brown, T., Franklin, C., & Sierra, L. (2021). What is risk know-how? *Significance*, 18(6), 30-35.

Franklin, C. (2021). As COVID makes clear, statistics education is a must. *Significance*, 18(2).

Franklin, C. (2015). We need to rethink the way we teach statistics at K–12. *The American Statistician*, 69(4).

Lazar, N., & Franklin, C. (2015). The big picture: Preparing students for a data-centric world. *Chance*, 28(4).

Bargagliotti, A., & Franklin, C. (2015). The statistical education of teachers: Preparing teachers to teach statistics. *Chance*, 28(3).

Watkins, A., Bargagliotti, A., & Franklin, C. (2014). Simulation of the sampling distribution of the mean can mislead. *Journal of Statistics Education*, 22(3).

Franklin, C., & Rossman, A. (2013). Interview with Christine Franklin. *Journal of Statistics Education*, 21(3).

Franklin, C. (2013). Common Core State Standards and the future of teacher preparation in statistics. *The Mathematics Educator*, 22(2), 3–10.

Jacobbe, T., & Franklin, C. (2013). LOCUS: Expanding the A in GAISE. *Statistics Teacher Network*, 81.

Franklin, C., & Mulekar, M. (2004). Effect of prior information on string length estimates. *Teaching Statistics*, 26(3).

Franklin, C. (2002). The other life of Florence Nightingale. *Mathematics Teaching in the Middle School*, 7(6), 337–340.