Philip A. Yates

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Education

University of South Carolina — **Columbia, SC**
Ph.D. in Statistics — *December 2006*
Dissertation Title: *Methods for the Analysis of Flood Frequency Distributions*
Advisor: John M. Grego

The University of Vermont — **Burlington, VT**
M.S. in Biostatistics — *May 1999*
Advisor: Larry D. Haugh

DePaul University — **Chicago, IL**
B.S. in Mathematical Sciences — *June 1997*
Minor in Economics. Graduated with High Honors.

Academic Appointments

DePaul University — **Chicago, IL**
Associate Professor — *2020 – present*
Department of Mathematical Sciences

DePaul University — **Chicago, IL**
Assistant Professor — *2017 – 2020*
Department of Mathematical Sciences

Saint Michael's College — **Colchester, VT**
Associate Professor — *2014 – 2017*
Department of Mathematics

Saint Michael's College — **Colchester, VT**
Assistant Professor — *2010 – 2014*
Department of Mathematics

California State Polytechnic University, Pomona — **Pomona, CA**
Assistant Professor — *2007 – 2010*
Department of Mathematics and Statistics

Teaching Experience

DePaul University:

- ENV 260: Environmental Data Analysis
- HON 180: Data Analysis and Statistics.
- MAT 137: Business Statistics.
- MAT 328/528: Design of Experiments.
- MAT 341/448: Statistical Methods Using SAS.
- MAT 348: Applied Statistical Methods.
- MAT 350/427: Bayesian Statistics.

- MAT 353: Probability & Statistics III.
- MAT 356/456: Applied Regression Analysis.
- MAT 441: Applied Statistics I.
- MAT 442: Applied Statistics II.
- MAT 443: Applied Statistics III.

Saint Michael's College:

- MA 120: Elementary Statistics.
- MA 140: Biological Data & Statistics.
- MA 150: Calculus I.
- MA 160: Calculus II.
- MA 251: Probability and Statistics.
- MA 351: Applied Regression Analysis.
- MA 410: Seminar in Mathematics.
- MA 451: Applied Statistical Methods.

California State Polytechnic University, Pomona:

- MAT 114: Analytic Geometry and Calculus I.
- STA 120: Statistics with Applications.
- STA 241: Applied Probability Theory.
- STA 310: Sampling Theory and Applications.
- STA 326: Statistical Methods for Computer Scientists.
- STA 341: Applied Statistics.
- STA 432: Applied Regression Analysis.
- STA 533: Linear Statistical Models I.
- STA 534: Linear Statistical Models II.
- STA 565: Multivariate Analysis.

University of South Carolina:

- STAT 110: Introduction to Descriptive Statistics.
- STAT 201: Elementary Statistics.
- STAT 516: Statistical Methods II.

Students Supervised:

DePaul University

- Will Fineberg, B.S. in Computer Science, Summer 2023
- Andres Meza, B.S. in Environmental Science, Summer 2023
- Spencer J. Brinkman, B.S. in Cybersecurity, Spring 2020
- Eleanor R. Marshall, B.S. in Mathematical Sciences, Spring 2018

Statistical Consulting Center – DePaul University, College of Science & Health

- Aidan Lagorio, M.S. in Applied Statistics, Winter 2026
- Ethan Chen, M.S. in Applied Statistics, Autumn 2025 to Winter 2026
- Fatane Telikani, M.S. in Applied Statistics, Autumn 2025 to Winter 2026
- Ferdinand Baidoo, M.S. in Applied Statistics, Winter 2025 to Winter 2026
- Minkoung Choi, M.S. in Applied Mathematics, Winter to Spring 2025
- Yuting Tan, M.S. in Applied Statistics, Winter to Autumn 2025
- Logan Winn, M.S. in Applied Statistics, Spring to Autumn 2025
- Jiahui Li, M.S. in Applied Statistics, Autumn 2024 to Winter 2025
- Shaarif Anas Mohammed, M.S. in Applied Statistics, Autumn 2024
- Victor G. Petrescu, M.S. in Applied Statistics, Autumn 2024 to Winter 2025
- Shrinidhi Rajesh, M.S. in Applied Statistics, Autumn 2024

Northwestern University
- Mavis Wang, B.S. in Computer Science, Summer 2023

Saint Michael's College
- Abigail J. Hotaling, B.S. in Mathematics, Spring 2017
- Lauren A. Krzaczek, B.S. in Mathematics, Spring 2017
- Mackenzie J. Edmondson, B.S. in Mathematics, Spring 2016
- Eric J. Parziale, B.S. in Mathematics, Spring 2013
- Maura E. O'Riordan, B.S. in Mathematics and Secondary Education, Fall 2012

California State Polytechnic University, Pomona
- Tiffany Chao, M.S. in Mathematics, Statistics Emphasis, June 2010
- Maria M. Perez, M.S. in Mathematics, Statistics Emphasis, June 2010
- Edward A. Reyes, M.S. in Mathematics, Statistics Emphasis, August 2009

Grants and Contracts

(**Funded**, September 2021–August 2024) National Science Foundation
Title: "HDR DSC: Collaborative Research: The Metropolitan Chicago Data Science Corps (MCDC): Learning from Data to Support Communities"
Award Number (FAIN): 2123401
Role: Co-Principal Investigator
Amount: $170,287

(**Funded**, March 2017–July 2017) Aperture Bio – Biologics, Williston, Vermont
Role: Statistical Consultant
Amount: $3,000

(**Funded**, June 2011) Junior Faculty Summer Research Grant
Saint Michael's College, Faculty Development Committee
Amount: $4,000

(Not funded, 2010) National Science Foundation, Division of Mathematical Sciences
Title: "EMSW21-MCTP: The NSF Euphemia Scholars Program: A Mentorship Alliance Increasing PhD Bound US Mathematical Baccalaureates"
Role: Co-Principal Investigator

(**Funded**, October 2009–March 2014) United States Department of Agriculture, Forest Service
Pacific Northwest Region, San Bernardino National Forest
Role: Professional Mathematical and Statistical Services
Amount: $3,000

(**Funded**, July 2009–October 2009) United States Department of Agriculture, Forest Service
San Dimas Technology & Development Center
Title: "Greater Yellowstone Area Snowmobile Use Monitoring Evaluation"
Role: Contractor
Amount: $2,500

(**Funded**, November 2008–June 2009) The Pew Charitable Trusts: Making Voting Work
Title: "How Does Vote By Mail Affect Voters? A natural experiment examining individual level turnout"
Role: Statistical Consultant
Amount: $36,700

(**Funded**, October 2008–November 2008) United States Department of Agriculture, Forest Service
San Dimas Technology & Development Center
Title: "Black Powder Ignition Study"
Role: Contractor
Amount: $2,000

(Not funded, 2008) Staples Foundation for Learning
Description: Support for middle school mathematics camp program at California State Polytechnic University, Pomona
Role: Co-Principal Investigator

Publications

Student co-authors: † indicates work done as an undergaduate

Refereed Journal Articles:

15. Eva K. Vanoer, Cyniah N. McClurkin, Shannon D. Simonovich, Karen A. Gomez, and **Philip A. Yates**. (**accepted** 2026) "An Examination of Imposter Phenomenon, Anxiety, and Depression Among Certified Registered Nurse Anesthetists and Student Registered Nurse Anesthetists," *AANA Journal*.

14. John M. Grego and **Philip A. Yates**. (2025) "Robust Local Likelihood Estimation for Non-stationary Flood Frequency Analysis," *Journal of Agricultural, Biological, and Environmental Statistics*, 30, 663–682, https://doi.org/10.1007/s13253-024-00614-0.

13. **Philip A. Yates**. (2019) "Punching a Ticket to Cooperstown," *Journal of Statistics Education*, 27(1), 37–47, https://doi.org/10.1080/10691898.2019.1565934.

12. Lauren A. Krzaczek† and **Philip A. Yates**. (2017) "A Statistical Analysis of Atmospheric CO_2 Levels at Mauna Loa," *Ball State Undergraduate Mathematics Exchange*, 11(1), 14–27, https://lib.bsu.edu/beneficencepress/mathexchange/11-01/StatisticalAnalysis_Krzaczek_Yates.pdf.

11. John M. Grego, **Philip A. Yates**, and Kaiwen Mai. (2015) "Standard Error Estimation for Mixed Flood Distributions with Historic Maxima," *Environmetrics*, 26(3), 229–242, https://doi.org/10.1002/env.2333.

10. John A. Trono and **Philip Yates**. (2014) "How Predictable is the Overall Voting Pattern in the NCAA Men's Basketball Post Tournament Poll?" *CHANCE*, 27(2), 4–12, https://doi.org/10.1080/09332480.2014.914734.

9. Kawika Pierson, Vittorio Addona, and **Philip Yates**. (2014) "A Behavioural Dynamic Model of the Relative Age Effect," *Journal of Sports Sciences*, 32(8), 776–784, https://doi.org/10.1080/02640414.2013.855804.

8. Eric J. Parziale† and **Philip A. Yates**. (2013) "Keep the Ball! The Value of Ball Possession in Soccer," *Reinvention: an International Journal of Undergraduate Research*, Volume 6, Issue 1, https://warwick.ac.uk/fac/cross_fac/iatl/reinvention/archive/volume6issue1/parzialeandyates.

7. **Philip Yates**. (2011) "The PING Ratings: A Model For Rating NCAA Baseball Teams," *The Baseball Research Journal*, Vol. 40, No. 2, 107–113.

6. Elizabeth Bergman and **Philip A. Yates**. (2011) "Changing Election Methods: How Does Mandated Vote By Mail Affect Individual Registrants?" *Election Law Journal: Rules, Politics, and Policy*, 10(2), 115–127, https://doi.org/10.1089/elj.2010.0079.

5. David Rockoff and **Philip Yates**. (2011) "Joe DiMaggio Done It Again...and Again and Again and Again?" *CHANCE*, 24(1), 14–18, https://doi.org/10.1080/09332480.2011.10739846.

4. Vittorio Addona and **Philip A. Yates**. (2010) "A Closer Look at the Relative Age Effect in the National Hockey League," *Journal of Quantitative Analysis in Sports*, Volume 6, Issue 4, Article 9, https://doi.org/10.2202/1559-0410.1227.

3. John M. Grego and **Philip A. Yates**. (2010) "Point and standard error estimation for quantiles of mixed flood distribution," *Journal of Hydrology*, 391, 289–301, https://doi.org/10.1016/j.jhydrol.2010.07.027.

2. David M. Rockoff and **Philip A. Yates**. (2009) "Chasing DiMaggio: Streaks in Simulated Seasons Using Non-Constant At-Bats," *Journal of Quantitative Analysis in Sports*, Volume 5, Issue 2, Article 4, https://doi.org/10.2202/1559-0410.1167.

1. **Philip A. Yates**. (2008) "Estimating Situational Effects on OPS," *Journal of Quantitative Analysis in Sports*, Volume 4, Issue 2, Article 2, https://doi.org/10.2202/1559-0410.1095.

Book Chapters & Encyclopedia Entries:

2. Elizabeth Bergman, Dari Sylvester Tran, and **Philip Yates**. (2018) "Voter Identification" in *Electoral Integrity in America: Securing Democracy*, Pippa Norris, Sarah Cameron, and Thomas Wynter (Eds.). Oxford University Press: New York, NY, 102–113.

1. **Philip A. Yates**. (2017) "Margin of Error" in *The SAGE Encylcopedia of Communication Research Methods*, Mike Allen (Ed.), SAGE Publications, Thousand Oaks, CA, 904–905. http://dx.doi.org/10.4135/9781483381411.n314.

Books & Manuals:

3. Jacob Turner and **Philip Yates**. (**under contract 2027**) *Multivariate Statistics for Data Science*, Elsevier.

2. **Phil Yates**, contributing writer. (2017) *Guide to Evidence-Based Instructional Practices in Undergraduate Mathematics*, Mathematical Association of America, Washington, D.C. https://www.maa.org/programs/faculty-and-departments/ip-guide.

1. **Philip Yates**. (2010) SPSS Manual to accompany *Discovering Statistics Brief Version* by Daniel T. Larose. W.H. Freeman and Company, New York.

Book Reviews:

1. **Philip A. Yates**. *Wizardry: Baseball's All-Time Greatest Fielders Revealed* by Michael A. Humphreys, Oxford University Press, 2011. Review in *The American Statistician*, Vol. 66, No. 1, 72, 2012.

Technical Reports:

4. Halvorsen, K., Lubecke, A.M., Whittinghill, D., **Yates, P.**, and J. McKenzie. (2016) "Evaluating Some Popular Introductory Applied Statistics Textbooks: What We Like About Them and What We Would Like Them to Do Differently." In *JSM Proceedings*, Statistics Education Section. Alexandria, VA: American Statistical Association. 1314–1319.

3. John A. Trono and **Philip Yates**. (2015) "Predicting the NCAA Men's Postseason Basketball Poll More Accurately," Saint Michael's College, Colchester, Vermont, Tech Report: SMC-2015-CS-001, 11 p.

2. Elizabeth Bergman, **Philip Yates**, and Elaine Ginnold. (2009) *How Does Vote By Mail Affect Voters? A natural experiment examining individual-level turnout.* Pew Charitable Trusts. Pew Center on the States: Make Voting Work. 37 p.

1. Haston, D. V.; Finney, M. A.; Horcher, A.; **Yates, P. A.**; Detrich, K. (2009) *Ignition Potential of Muzzle-Loading Firearms: An Exploratory Investigation.* U.S. Department of Agriculture, Forest Service,

National Technology & Development Program. 5100–Fire Management; April 2009. 0951 1802–SDTDC; San Dimas Technology & Development Center, San Dimas, California. 28 p.

Manuscripts in Progress:

4. Desale Habtzghi and **Philip A. Yates**. (under revision) "News from the Frontline: A Survey of Statistician and Data Scientist Technology Use Post-Graduation."

3. Daniel Schober, **Philip Yates**, Samineh Massah, Hassan Ahmed, Taylor Lewis, and Hannah Matzke. (**submitted**) "Giving and Receiving: A Study of Volunteering and Cardiometabolic Health Among Nonsmokers."

2. Kali Polich, Shannon Simonovich, Roxanne Spurlark, Rebecca Ellis, Maria Piñeros-Leaño, and **Philip Yates**. (in progress) "An Examination of Perinatal Support and Anxiety During COVID-19."

1. Oluwadamilola Ajasa, Andrea Piper, Jamie Natale, Jeffrey Matson, Julia Feczko, and **Philip A. Yates**. (in progress) "Evaluating Situational Awareness and Algorithm Use During Simulation."

Scholarly Papers Presented

Conference Presentations:

"The TIF Illumination Project,"
Presenter, Metropolitan Chicago Data-Science Corps Annual Conference, Northwestern Pritzker School of Law, June 26, 2024.

"Nonstationary Flood Frequency Analysis: A Mixed and Pooled Approach,"
Presenter, American Geophysical Union Fall Meeting, San Francisco, California, December 12, 2019.

"Nonstationary Flood Frequency Analysis: A Mixed and Pooled Approach,"
Presenter, Joint Statistical Meetings, Vancouver, British Columbia, Canada, August 1, 2018.

"Instructor Characteristics Associated with Student Appreciation of Statistics,"
Presenter, Joint Statistical Meetings, Vancouver, British Columbia, Canada, August 4, 2010.

"Mixture Methods for the Analysis of Flood Frequency Distributions,"
Presenter, WNAR-IMS Meeting, University of California, Davis, June 24, 2008.

"Estimation of a Mixture of Two Three-Parameter Gammas."
Presenter, American Statistical Association, South Carolina Chapter Annual Meeting,
University of South Carolina, 2004

Conference Posters:

"Metropolitan Chicago Data-science Corps: Engaging students with data science through community partnerships,"
Poster Presentation, Innovation Day 2024: Innovation for Social Good, DePaul University, January 26, 2024.

"The Metropolitan Chicago Data Science Corps (MCDC): Learning from Data to Support Communities,"
Poster Presentation, United States Conference on Teaching Statistics, The Pennsylvania State University, June 3, 2023.

"Keep the Ball! The Value of Possession in Soccer,"
Poster Presentation, New England Symposium on Statistics in Sports, Harvard University, September 24, 2011.

"Instructor Characteristics Associated with Improved Student Attitudes Toward Statistics,"
Poster Presentation with Michael Posner, United States Conference on Teaching Statistics, Cary, North Carolina, May 20, 2011.

"Hitting Streaks in Seasons Using Non-Constant Batting Averages,"
Poster Presentation with David Rockoff, New England Symposium on Statistics in Sports, Harvard University, September 26, 2009.

"Chasing DiMaggio: Streaks in Simulated Seasons Using Non-Constant At-Bats,"
Poster Presentation, Northern California Symposium on Sports and Operations Research in Sports, Menlo College, October 18, 2008.

"Using Gibbs Sampling to Estimate the Situational Effects on OPS,"
Poster Presentation, New England Symposium on Statistics in Sports, Harvard University, September 2007.

Other Participation in Scholarly Meetings:

Judge, Undergraduate Statistics Project Competition (USPROC): Undergraduate Class Project Competition (USCLAP Intermediate Category), February 2019.

Judge, Statistics in Sports Undergraduate Research Competition,
Joint Statistical Meetings, Vancouver, British Columbia, Canada, July 31, 2018.

Judge, SPEED Session: Teaching Statistics: Strategies and Applications,
Joint Statistical Meetings, Vancouver, British Columbia, Canada, July 30, 2018.

Session Chair, "A Mathematician Teaches Statistics: The Road Less Traveled,"
Joint Mathematics Meeting, San Diego, California, January 10, 2018.

Panelist, "Evaluating Some Popular Introductory Applied Statistics Textbooks: What We Like About Them and What Would We Like Them to Do Differently'," Joint Statistical Meetings, Chicago, Illinois, August 3, 2016.

Judge, Student Poster Competition, New England Symposium on Statistics in Sports, Harvard University, September 26, 2015.

Session Chair, Probability, Hudson River Undergraduate Mathematics Conference, Union College, April 11, 2015.

Session Chair, "Geologic, Atmospheric, and Weather-Related Events,"
Joint Statistical Meetings, Montréal, Québec, Canada, August 4, 2013.

Session Chair, Statistics, Hudson River Undergraduate Mathematics Conference, Williams College, April 6, 2013.

Session Chair, Statistics, Hudson River Undergraduate Mathematics Conference, Western New England University, April 21, 2012.

Panelist, "Expanding the Job Search," Joint Statistical Meetings, San Diego, California, August 2, 2012.

Session Discussant, "From the Diamond to the Rink: Applications of Statistics in Sports,"
Joint Statistical Meetings, Miami, Florida, July 31, 2011.

Session Chair, Probability, Hudson River Undergraduate Mathematics Conference, Skidmore College, April 16,

2011.

Judge, Student Poster Session, Spring Meeting, Southern California-Nevada Section of the Mathematical Association of America, Harvey Mudd College, April 10, 2010.

Member, Student Attitudes Research Cluster, United States Conference on Teaching Statistics, The Ohio State University, June 25–27, 2009.

Judge, Student Poster Session, Spring Meeting, Southern California-Nevada Section of the Mathematical Association of America, California Lutheran University, March 21, 2009.

Facilitator, Probability & Statistics Breakout Session, Project NExT Meeting, University of Wisconsin, Madison, July 30, 2008.

Judge, Mathematical Association of America Poster Session for Undergraduates,
Joint Mathematics Meetings, San Diego, California, January 8, 2008.

Invited Research Presentations:

"Let's Go Streaking! Probability & Hitting Streaks in Baseball,"
Presenter, Mathematics and Computer Science Colloquium, Lake Forest College, October 28, 2025

"The Impact of Voter ID on Party Vote Share,"
Presenter, Math Club Talk, DePaul University, October 30, 2020.

"Where Have You Gone, Joe DiMaggio? Probability and Hitting Streaks,"
Presenter, Math Club Talk, DePaul University, February 16, 2018.

"&#%!@? – Censoring and the Analysis of Partially Known Data,"
Presenter, Pi Mu Epsilon Lecture, Saint Michael's College, October 2014.

"Where Have You Gone, Joe DiMaggio? Probability and Hitting Streaks,"
Presenter, The Governor's Institutes of Vermont, Mathematical Sciences, June 2014.

"Historic Floods and 1% Chance Flood Estimation,"
Presenter, Mathematics Colloquium, Norwich University, March 6, 2012.

"Instructor Characteristics Associated with Improved Student Attitudes Toward Statistics,"
Presenter, Statistics Colloquium, The University of Vermont, November 30, 2010.

"How High's the Water, Mama? Statistical Methods for Flood Frequency Distributions,"
Presenter, Mathematics REU Colloquium, The Claremont Colleges, July 1, 2010.

"Methods for the Analysis of Flood Frequency Distributions,"
Presenter, Mathematics Colloquium, California State University, San Bernardino, April 16, 2008.

"Methods for the Analysis of Flood Frequency Distributions,"
Presenter, Statistics Colloquium, Pomona College, April 1, 2008.

"Cost-Effectiveness of Treatments for First-Time Ankle Sprains."
Graduate Student Research Day, The University of Vermont, 1999

Other Invited Presentations:

"Information Motivating Public Activism (IMPACT) Professional Panel,"
Panelist, Leadership, Education and Development (LEAD) Program, Illinois Mathematics and Science Academy, March 20, 2024.

"Resources for Teaching Statistics,"
Presenter, StatPREP Webinar, February 23, 2021.

"Statistics Teaching at the University Level: Improving Inclusion and Student Success,"
Roundtable Talk, DePaul University Teaching and Learning Conference, May 17, 2019.

"Revolutionizing How We Teach Statistics in Psychology, Mathematical Sciences, and Across the University for the Benefit of All," Panelist, DePaul University, Informal Teaching and
Professional Development Seminar, February 7, 2019.

Session Chair and Panelist, "Faculty Recruitment and Retention," Pedagogy Day, Saint Michael's College, 2016.

Panelist, "A Frabjuous Day! A panel celebrating the 150th anniversary of Lewis Carroll's
Alice's Adventures in Wonderland," Saint Michael's College, October 11, 2015.

Host, *Moneyball*, Saint Michael's College Film Series, 2012.

"Technology for the K-12 Classroom: Using Microsoft Excel for Teaching Math,"
Presenter, San Gabriel Valley California Mathematics Project, California State Polytechnic University, Pomona, May, 8, 2010.

Panelist, "Path to Ph.D. Programs," Department of Mathematics and Statistics, California State Polytechnic University, Pomona, 2010.

Service

DePaul University:

University

- Illinois Board of Higher Education, Illinois Articulation Initiative, Mathematics Major Panel, 2025–2028 (three-year term)
- Liberal Studies Learning Domain: Math & Computing Advisory Committee, 2020–present
- Faculty/Staff Alumni Committee, 2020–2022
- New Student Convocation Planning Group Member, March 2019–May 2019
- Institutional Review Board Member, September 2018–August 2027 (three three-year terms)
- University Honors Program Committee Member, 2018–2025 (two three-year terms, one interim term)
  - Member, Honors Director Appointment Committee, 2020
  - Member, Honors Assessment Committee, 2019–2021

College

- Director, Statistical Consulting Center, 2024–present
- Editorial Board, *DePaul Discoveries*, 2019–2022 (three-year term)
  - Guest Editor, *DePaul Discoveries*, Volume 11, Issue 1, 2022
- College of Science & Health, Assessment Committee Member, 2018–2021 (three-year term)
- STEM Center Advisory Committee Member, 2019–2023

Department

- Department Review, Promotion, and Tenure Committee Member, 2021–2022, 2023–2024
- Master of Science Committee, Applied Mathematics & Applied Statistics, Department of Mathematical Sciences, 2017 – present
- Diversity, Equity, and Inclusion Committee, Department of Mathematical Sciences, 2020 – 2022
- Undergraduate Curriculum Committee Member, Department of Mathematical Sciences, 2019–present
- Academic Program Review Self-Study Team Member, Department of Mathematical Sciences, 2019–2021
- Advising Committee Member, Department of Mathematical Sciences, 2019–present
- Search Committee Member, Department of Mathematical Sciences, 2018–2019, 2025–2026
  - Chair, 2025–2026
- Coordinator, Bachelor of Arts in Data Science, 2017–present
- Assessment Committee Member, Department of Mathematical Sciences, 2017–present
- Adjunct Personnel Committee Member, Department of Mathematical Sciences, 2017–2018
- Online Teaching Evaluation Committee Member, Department of Mathematical Sciences, 2017

Saint Michael's College:

College

- Institutional Animal Care and Use Committee Member, 2011 – 2017
  - Interim Chair, 2014
- Dispute Resolution Panel, 2015 – 2017
- Faculty Advisor, WWPV 92.5 FM: The Mike, 2015 – 2017
  - DJ, WWPV 92.5 FM: The Mike, 2010 – 2012, 2015 – 2017
- Faculty Welfare Committee Member, 2016 – 2017
  - Budget Review Committee Representative, 2016 – 2017
- Institutional Review Board Member, 2011 – 2016
  - Chair, 2014 – 2016
- Davis Fellow for Liberal Studies Curriculum Assessment, Quantitative Reasoning, 2014 – 2016
- Faculty Affiliate, Men's Tennis Team, 2011 – 2014
- Faculty Affiliate, Men's Cross Country Team, 2011 – 2012
- Community Manners Planning Committee, 2012
- Film Series Planning Committee, 2012 – present
- United Way Campaign Planning Committee, 2013

Department

- Coordinator, MA 120: Elementary Statistics, 2010 – 2017
- Chair, Search Committee, Mathematics Department, Assistant Professor, 2015 – 2017
- Search Committee Member, Mathematics Department, Visiting Assistant Professor/Instructor, 2015
- Supervisor, Putnam Mathematical Competition, Saint Michael's College Team, 2012

California State Polytechnic University, Pomona:

College

- Co-chair, Honorary Doctorate Committee, 2009

Department

- Coordinator, Assessment Committee, 2008 – 2010
- Advisor, Kappa Mu Epsilon Chapter/Math-Stat Club, 2008–2010
- Recruitment Outreach Committee Member, 2007 – 2010
  - Co-chair, 2007 – 2008
- Member, Statistics Group, 2007 – 2010
- Chair Evaluation Committee Member, 2010
- Supervisor, Putnam Mathematical Competition, Cal Poly Pomona Team, 2008 – 2009
- Graduate Committee Member, 2007 – 2008

Community:

- Member, Board of Directors, CHIRP Radio: 107.1 FM, 2023 – 2025
- Judge, DataFest Chicago, 2019
- Co-Organizer, DataFest Chicago, 2018
- Co-Organizer, DataFest Vermont, 2016–2017
  - Judge, 2017
- Various roles, MATHCOUNTS Competition, 2008–2015
  - Grader, Vermont State Chapter Competition, 2011
  - Grader, Northwest Vermont Chapter Competition, 2011–2015
  - Emcee, East San Gabriel Valley Chapter Competition, 2008–2010
- Member, California Partnership for Achieving Student Success (Cal-PASS) Mathematics Professional Learning Council, Los Angeles Consortium, 2007–2009

Professional Activities

Ad Hoc Reviewer:

- *Hydrological Sciences Journal*, 2026–present
- *Scatterplot*, 2024–present
- *Journal of Sports Analytics*, 2023–present
- *Journal of Data Science*, 2021–present
- *Water*, 2020–present
- *Journal of Applied Statistics*, 2016–present
- *Perceptual & Motor Skills*, 2015–present
- *Scandinavian Sports Studies Forum*, 2014–present
- *Journal of Statistics Education*, 2013–present
- *The Baseball Research Journal*, 2012 –present
- *European Journal of Sports Science*, 2011–present
- *PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies*, 2011–present
- *Journal of Quantitative Analysis in Sports*, 2008–present

Textbook Reviewer:

- John Wiley & Sons, *Stats: Data and Analytics* by Peter C. Bruce, 2013
- Pearson Education, *Practicing Statistics*, 1st Edition by Shonda Kuiper, 2011
- Elsevier Science/Academic Press, *Statistical Modeling: A Fresh Approach* by Daniel T. Kaplan, 2009

Professional Affiliations:

- American Association of University Professors
  - Treasurer, DePaul University Chapter, 2021-2022
  - Officer, Member At-Large, DePaul University Chapter, 2020-2021
- American Statistical Association
  - Past Chair, Statistics in Sports Section, 2021
  - Chair, Statistics in Sports Section, 2020
  - Chair-Elect, Statistics in Sports Section, 2019
  - Treasurer, Statistics in Sports Section, 2016–2018 (two-year term)
- Mathematical Association of America, 2017–2024
  - Past Chair, SIGMAA on Statistics Education, 2022
  - Chair, SIGMAA on Statistics Education, 2021
  - Chair-Elect, SIGMAA on Statistics Education, 2020
  - Member, Committee on SIGMAAs, 2018–2021, 2021–2024 (two three-year terms)
  - Treasurer, SIGMAA on Statistics Education, 2016–2018 (two-year term)

Awards and Recognitions

- Nominee, Significant Contributor Award, Statistics in Sports Section, American Statistical Association, 2022
- Nominee and Finalist, Excellence in Teaching Award, College of Science and Health, DePaul University, 2021
- DePaul Online Teaching Series (DOTS) Training, December 2020
- Honorary Member, Vermont Alpha Chapter of Pi Mu Epsilon, 2014
- Honorable Mention, CAUSE: Consortium for the Advancement of Undergraduate Statistics Education, A-μ-Sing! Competition, 2013
- Honorary Member, California Delta Chapter of Kappa Mu Epsilon, 2008
- Project NExT Fellow, Sun Dot, 2007–2008
- Student Paper Competition Award, American Statistical Association, South Carolina Chapter Annual Meeting, University of South Carolina, 2004
- Outstanding Statistics Graduate Teaching Assistant, University of South Carolina, 2001–2002, 2002–2003