

# William Cipolli

7030 Payne St.  
Hamilton, NY 13346  
☎ +1 (203) 848 5643  
✉ [wcipolli@colgate.edu](mailto:wcipolli@colgate.edu)

## Highlights

I am an Associate Professor of Mathematics at Colgate University. My methodological research focuses on Bayesian nonparametric approaches to a variety of problems including multiple testing, density estimation, and supervised learning. I have published my work in competitive journals such as *Statistics and Computing* and *Computational Statistics and Data Analysis*. I also collaborate on multidisciplinary projects ranging from the bench sciences to social sciences and the humanities, with findings published in top journals of statistics, sociology, psychology, biology, and medicine. In the pedagogical realm, I led the development and redesigning of several courses, modernizing and expanding the statistics curriculum at Colgate. These courses stem directly from the intersection of my statistics research, and range from theory to practice.

## Education

- 2012–2016 **Ph.D Statistics**, *University of South Carolina*, Columbia, SC.
- 2012–2014 **MS Statistics**, *University of South Carolina*, Columbia, SC.
- 2007–2011 **BA Mathematics**, *Quinnipiac University*, Hamden, CT.
- 2007–2011 **BS Computer Science**, *Quinnipiac University*, Hamden, CT.

## Academic Positions

- 2016–Present **Assistant Professor**, *Colgate University*, Hamilton, NY.
  - Responsible for five courses per year including: Probability; Math Stat; Intro Stat; Data Analysis; Core
  - Created and proposed three new courses
  - Selected to teach a course as part of the Benton Scholars program (2021)
  - Named the American Statistical Association Waller Education Award recipient for innovation in the instruction of elementary statistics (2020)
  - Nominated for the Phi Eta Sigma professor of the year award (2017)
- 2012–2016 **Graduate Assistant**, *University of South Carolina*, Columbia, SC.
  - Taught one course per semester including: Elementary Statistics with a lab; Statistical Methods
  - Created online curriculum content including instructional videos and assignments
  - Outstanding Graduate Assistant Award (2015)
  - Citizenship Award (2014)
  - Two Thumbs Up Disability Services Award (2015)
- 2014 **Adjunct Professor**, *Florence Darlington Technical College*, Florence, SC.
  - Taught two courses including: Probability and Statistics; Microcomputer Applications
  - Created online curriculum content created including lecture slides, assignments, and exams

## Awards

- 2020 **Waller Education Award**, *American Statistical Association*.

The Waller Education Award honors individuals for innovation in the instruction of elementary statistics. The Waller Education Award is one of only two American Statistical Association awards for teaching, the other being a lifetime achievement award.

*"In recognition of his innovative approaches to teaching and statistical collaboration, bringing the importance of statistics in daily life to his students and others, and for his tireless work to reform statistics education at his own institution and beyond."*

## Research

As of March 2022, I have been an author on 30 papers; 26 are published, 1 is accepted, and 4 are submitted or in revision. I have also been a collaborator on three successful grants. I continue to grow my research by exploring methodological improvements for, and the application of, Bayesian nonparametrics approaches. Simultaneously, I am developing new, and furthering current, collaborations. Below, I outline my published work, and work that is in progress.

## Publications

- [1] J. L. Brown-Iannuzzi, E. Cooley, W. Cipolli, and S. Mehta, "Race, ambivalent sexism, and perceptions of situations when police shoot black women," *Social Psychological and Personality Science*, vol. 13, no. 1, pp. 127–138, 2022.
- [2] D. Sull, C. Sull, W. Cipolli, and C. Brighenti, "Why every leader needs to worry about toxic culture," *MIT Sloan Management Review*, vol. 63409, pp. 1–16, 2022.
- [3] A. Pattison, W. Cipolli, and J. Marichal, "The devil we know and the angel that did not fly: An examination of devil/angel shift in twitter fracking "debates" in ny 2008–2018," *Review of Policy Research*, vol. 39, no. 1, pp. 51–72, 2022.
- [4] H. Smith and W. Cipolli, "The instagram/facebook ban on graphic self-harm imagery: A sentiment analysis and topic modeling approach," *Policy & Internet*, 2021.
- [5] C. Davlin-Pater, L. S. Dunn, R. Bower, W. Cipolli, and S. Biddle, "Using metacognitive training with kinesiology students," *Journal of Occupational Therapy Education*, vol. 5, no. 3, p. 2, 2021.
- [6] J. L. Brown-Iannuzzi, E. Cooley, W. Cipolli, and B. K. Payne, "Who gets to vote? racialized mental images of legitimate and illegitimate voters," *Social Psychological and Personality Science*, p. 19485506211039408, 2021.
- [7] E. Cooley, J. L. Brown-Iannuzzi, R. F. Lei, W. Cipolli, and L. E. Philbrook, "The policy implications of feeling relatively low versus high status within a privileged group.," *Journal of Experimental Psychology: General*, 2021.
- [8] E. Cooley, J. L. Brown-Iannuzzi, R. F. Lei, L. E. Philbrook, W. Cipolli, and S. E. McKee, "Investigating the health consequences for white americans who believe white americans are wealthy," *Social Psychological and Personality Science*, vol. 12, no. 3, pp. 371–382, 2021.
- [9] A. G. Jimenez, S. Lalwani, and W. Cipolli, "Effects of metformin, rapamycin, and resveratrol on cellular metabolism of canine primary fibroblast cells isolated from large and small breeds as they age," *GeroScience*, vol. 43, no. 4, pp. 1669–1682, 2021.
- [10] A. G. Jimenez, C. J. Downs, S. Lalwani, and W. Cipolli, "Cellular metabolism and il-6 concentrations during stimulated inflammation in primary fibroblasts from small and large dog breeds as they age," *Journal of Experimental Biology*, vol. 224, no. 9, 2021.
- [11] J. S. Levy, C. I. Fassett, J. W. Holt, R. Parsons, W. Cipolli, T. A. Goudge, M. Tebolt, L. Kuentz, J. Johnson, F. Ishraque, *et al.*, "Surface boulder banding indicates martian debris-covered glaciers formed over multiple glaciations," *Proceedings of the National Academy of Sciences*, vol. 118, no. 4, 2021.
- [12] A. Robertson, W. Cipolli, and M. Dascălu, "On the distribution of monochromatic complete subgraphs and arithmetic progressions," *Experimental Mathematics*, vol. 30, no. 1, pp. 135–145, 2021.
- [13] N. Caluori, J. L. Brown-Iannuzzi, and W. Cipolli, "Economic inequality shapes the relationship between globalization and prejudice," *Social Psychological and Personality Science*, p. 1948550620960929, 2020.

- [14] W. Cipolli and T. Hanson, "Supervised learning via smoothed polya trees," *Advances in Data Analysis and Classification*, vol. 13, no. 4, pp. 877–904, 2019.
- [15] E. Cooley, N. Hester, W. Cipolli, L. I. Rivera, K. Abrams, J. Pagan, S. R. Sommers, and K. Payne, "Racial biases in officers' decisions to frisk are amplified for Black people stopped among groups leading to similar biases in searches, arrests, and use of force," *Social Psychological and Personality Science*, pp. 1–15, 2019.
- [16] E. Cooley, J. L. Brown-Iannuzzi, R. F. Lei, and W. Cipolli, "Complex intersections of race and class: Among social liberals, learning about white privilege reduces sympathy, increases blame, and decreases external attributions for white people struggling with poverty.," *Journal of Experimental Psychology: General*, 2019.
- [17] L. Kennedy, D. Silva, M. Coelho, and W. Cipolli, "'we are all broncos': Hockey, tragedy, and the formation of Canadian identity," *Sociology of Sport Journal*, vol. 36, no. 3, pp. 189–202, 2019.
- [18] R. Bower, J. R. Hussey, J. Zhang, J. Quattro, W. Cipolli, and J. W. Hardin, "A copula approach for testing independence between poisson distributed variables," *Communications in Statistics: Case Studies, Data Analysis and Applications*, vol. 4, no. 1, pp. 9–17, 2018.
- [19] R. Bower, J. R. Hussey, J. Zhang, J. Quattro, B. Muhling, W. Cipolli, and J. W. Hardin, "The score test for independence of two marginal poisson variables," *Communications in Statistics: Case Studies, Data Analysis and Applications*, vol. 4, no. 3-4, pp. 164–172, 2018.
- [20] A. G. Jimenez, J. Winward, U. Beattie, and W. Cipolli, "Cellular metabolism and oxidative stress as a possible determinant for longevity in small breed and large breed dogs," *PloS one*, vol. 13, no. 4, 2018.
- [21] D. M. Silva, R. Bower, and W. Cipolli, "In search of a five-star: The centrality of body discourses in the scouting of high school football players," *Sociology of Sport Journal*, vol. 35, no. 4, pp. 324–333, 2018.
- [22] W. Cipolli and T. Hanson, "Computationally tractable approximate and smoothed Polya trees," *Statistics and Computing*, vol. 27, no. 1, pp. 39–51, 2017.
- [23] E. Cooley, B. K. Payne, W. Cipolli, C. D. Cameron, A. Berger, and K. Gray, "The paradox of group mind: "People in a group" have more mind than "a group of people."," *Journal of Experimental Psychology: General*, vol. 146, no. 5, p. 691, 2017.
- [24] W. Cipolli, T. Hanson, and A. C. McLain, "Bayesian nonparametric multiple testing," *Computational Statistics & Data Analysis*, vol. 101, pp. 64–79, 2016.
- [25] J. R. Fowler, W. Cipolli, and T. Hanson, "A comparison of three diagnostic tests for carpal tunnel syndrome using latent class analysis," *JBJS*, vol. 97, no. 23, pp. 1958–1961, 2015.

### Accepted Papers

- [26] D. Silva, and W. Cipolli, "The policing of leisure activities and spaces in Canada during the COVID-19 pandemic." Accepted at *Annals of Leisure Research*.

### Papers Submitted or In Revision

- [27] W. Cipolli, "A supervised learning framework for prediction using Polya trees." In revision with the *Journal of Computational and Graphical Statistics*.
- [28] M. Galvan, G. Alvarez, W. Cipolli, E. Cooley, and B. K. Payne, "Is discrimination widespread or concentrated? Evaluating the distribution of hiring and housing discrimination against Black Americans." In revision with *Personality and Social Psychology Bulletin*.

- [29] Wynkoop, M., Lalwani, S., Cipolli, W., and Jimenez, A. Scaling with body mass and age in glycolytic enzymes of domestic dogs. In revision with *Veterinary Research Communications*.
- [30] Cooley, E., Brown-Iannuzzi, J. L., Lei, R., Cipolli, W., and Philbrook, L. Beliefs that White = poor, above and beyond beliefs that Black = poor, predict White (but not Black) Americans' attitudes toward welfare recipients and policy. Submitted to *Personality and Social Psychology Bulletin*.

### ■ Papers in Progress

- [31] C. Evans and W. Cipolli, "Changepoint detection and performance evaluation with Bayesian nonparametric density estimation." Target Journal: *Computational Statistics and Data Analysis*.
- [32] D. Sull, C. Brighenti, and W. Cipolli, "How to improve culture for frontline employees." Target Journal: *MIT Management Review*.
- [33] J. L. Brown-Iannuzzi, E. Cooley, R. Lei, and W. Cipolli, "Racialized work ethic beliefs and support for social security." Target Journal: *Social Psychological and Personality Science*.
- [34] J.L. Brown-Iannuzzi, E. Cooley, R. Lei, L. Philbrook, E. Klien, W. Cipolli, "Living up to Whiteness: Within-group status comparisons predict worse health over time among White but not Black Americans." Target Journal: *Social Psychological and Personality Science*.
- [35] W. Cipolli and Z. Ma, "Bayesian nonparametric independence test." Target Journal: *Computational Statistics and Data Analysis*.
- [36] R. Bower and W. Cipolli, "The score test for a bivariate zero-inflated Poisson distribution." Target Journal: *Journal of Multivariate Analysis*.
- [37] R. Bower and W. Cipolli, "The score test for a bivariate Pareto distribution." Target Journal: *Journal of Multivariate Analysis*.
- [38] R. Lei, L. Philbrook, R. Spitzer, E. Cooley, J. L. Brown-Iannuzzi, and W. Cipolli, "Dismantling dichotomization: Children exhibit decreased stereotypic race-class associations when considering a relatively more continuous representation of social class." Target Journal: *Child Development*.
- [39] A. Ray, J. Francese, Y. Zou, R. Bower, W. Cipolli, K. Watson, D. Crook, J. Millar, "Detection of velvet longhorned beetle populations using attractant baited traps." Target Journal: *Entomological Science*.
- [40] J.L. Brown-Iannuzzi, E. Cooley, R. Lei, L. Philbrook, W. Cipolli, S.E. McKee, and C. Marshburn, "For Black Americans, racial inequality may alter links between subjective socioeconomic status, emotions, and health." Target Journal: *Personality and Social Psychology Bulletin*.
- [41] A. Pattison, W. Cipolli, and J. Marichal, "Automated cohort coding Twitter users discussing fracking in NY." Target Journal: *Review of Policy Research*.
- [42] E. Moghimi, S. Thampinathan, H. Smith, and W. Cipolli, "A thematic analysis of suicide and self-harm tweets." Target Journal: *Computers in Human Behaviour*.

## Grants

- [43] W. Cipolli and J. Finnell, "Building a Data Science Collaboratory to Enhance Teaching and Research" Full Proposal Submitted to Spencer Foundation.
- [44] J. Brown-Iannuzzi, J. Cone, and W. Cipolli, "Developing an Indirect Measure of How We See God and God Sees Us" Invited for a full proposal for the John Templeton Foundation – Submitted.
- [45] E. Cooley, L. Philbrook, W. Cipolli, J. Brown-Iannuzzi, and R. Lei, "Why does rich = White and poor = Black in the minds of United States' citizens? Race-based class assumptions and their consequences for increasing racial resentment and race-related health disparities in the United States." \$160,000 awarded by the Colgate University Picker Interdisciplinary Science Institute, February 2019.
- [46] J. Finnell and W. Cipolli, "The data analysis + consultation network." \$3000 Awarded by the Central New York Library Resources Council, November 2018.
- [47] D. Silva, and W. Cipolli, "How radicalization became the dominant framework for understanding terrorism." \$55,532 awarded by the Social Science and Humanities Research Council of Canada, July 2019.

## Invited and Contributed Presentations

- 11/10/2021 **Academic Data Science Alliance (ADSA)**, *Savannah, Georgia*.
  - Presented our work on the Data Science Collaboratory in a poster session
- 08/08/2021 **Joint Statistical Meetings (JSM)**, *Remote*.
  - Invited to participate in a contributed presentation in a session about on statistical consulting
- 04/23/2021 **The UPSTAT Annual Conference (UPSTAT)**, *Remote*.
  - Invited to participate as a panelist in a session about the promises and problems of data science in the service of social justice
  - Presented in a parallel session in the Social Justice in Housing session
- 10/10/2020 **SIAM Conference on Applied Mathematics Education (ED20)**, *Philadelphia Marriott Downtown, Philadelphia, PA*.
  - Invited to participate as a panelist in a session about using community-client projects in math courses
  - Canceled due to COVID-19 outbreak
- 08/01/2020 **Joint Statistical Meetings (JSM)**, *Pennsylvania Convention Center, Philadelphia, PA*.
  - Organized and participated as a panelist in a session about educating our students to use statistical reasoning and critical thinking beyond the professional realm as global citizens and decision-makers
- 06/05/2020 **Symposium on Data Science & Statistics (SDSS)**, *Westin Convention Center, Pittsburgh, PA*.
  - E-Poster on initial simulation results for an independence test for bivariate Pareto data
- 04/16/2020 **Midwest Political Science Association Annual Meeting**, *Palmer House Hilton, Chicago, IL*.
  - Presented in a contributed paper session in the Advances in the Narrative Policy Framework section
- 10/10/2019 **Central NY Library Resources Council**, *Mohawk Valley Community College, Rome, NY*.
  - Presented progress on our grant-funded Data Science Collaboratory at Colgate University including academic and library projects in progress
- 04/12/2019 **Measuring Culture mini-conference**, *MIT Sloan School of Management, Cambridge, MA*.
  - Presented a Bayesian approach to assess how job title, demographics, and factors derived from text-responses drive ratings about company culture
- 04/06/2019 **Midwest Political Science Association Annual Meeting**, *Palmer House Hilton, Chicago, IL*.
  - Presented in a contributed paper session in the Environmental Politics & Policy section
- 08/01/2018 **MathFest**, *Sheraton Denver Downtown, Denver, CO*.
  - Participated as a Project NExT Fellow (Peach'18)
  - Presented in a poster session targeting early career mathematicians
  - Judge for the MAA undergraduate student paper presentations

- 01/11/2018 **Joint Mathematical Meetings (JSM)**, *San Diego Convention Center*, San Diego, CA.
- Project NExT panelist – “Incorporating coding into all levels of the college math curriculum”
  - Presented in a contributed paper session in the probability and statistics section
  - Judge for the MAA undergraduate student poster session
  - Moderated an MAA general contributed paper sessions on probability and statistics
- 12/10/2017 **The International Workshop on Objective Bayes Methodology**, *University of Texas – Austin*, Austin, TX.
- Presented in a poster session for graduate students and junior faculty
- 06/26/2017 **Bayesian Nonparametrics (BNP17)**, *Ecole Normale Supérieure*, Paris, France.
- Presented in a poster session for graduate students and junior faculty
- 05/25/2017 **Conference on Lifetime Data Science (LiDS)**, *UConn University*, Storrs, CT.
- Presented in a contributed paper session in the Bayesian nonparametric survival analysis section under the theme - “Data science, precision medicine and risk analysis with lifetime data”
- 03/29/2017 **Annual Meeting of the Southern Sociological Society**, *Hyatt Regency Conference Center*, Greenville, SC.
- Presented in a contributed paper session in the sociology of sports section under the theme – “Diversities: Inequality, inclusion, and resistance”
- 07/30/2016 **Joint Statistical Meetings (JSM)**, *McCormick Place*, Chicago, Illinois.
- Presented in a poster session for graduate students and junior faculty
- 06/22/2015 **Bayesian Nonparametrics (BNP15)**, North Carolina State University, Raleigh, NC.
- Presented in a poster session for graduate students and junior faculty
  - Received a travel award funded by NSF
- 06/09/2015 **Southern Regional Council on Statistics Summer Research Conference (SRCOS)**, Carolina Beach, NC.
- Presented in the NSF/Anderson student poster session
  - Awarded a Boyd Harshbarger travel award
  - Honorable mention in poster competition
- 03/06/2015 **ASA Palmetto Symposium**, University of South Carolina, Columbia, SC.
- Presented in the student–contributed paper session

## Invited Colloquium Presentations

- 02/25/2022 **USC Criminal Justice Reform Research Network**, *Los Angeles, California*.
- Presented joint work with the Institute for the Quantitative Study of Inclusion, Diversity, and Equity (QSIDE) on linking disparities in jailing to disparities in school disciplinary actions
- 10/19/2018 **Mathematics Colloquium at SUNY Geneseo**, *Geneseo, NY*.
- Presented my work on supervised learning and classification using Polya trees

## Professional Consulting

- 01/20/2018 **Racial disparities in jailing and school discipline**, QSIDE, Williamstown, MA.
- 07/2018 **FDA medical statistical analysis plan for an ELISA test for bladder cancer**, Genesis Biotechnology Group, Hamilton, NJ.
- 06/2013 **The G20 through the Internet of Things (IoT) lens**, International Data Corporation, Framingham, MA.



## Teaching

My goal as a teacher is to have a profound and lasting impact beyond simply teaching the subject material. Having worked with students at Colgate University (my current position), the University of South Carolina, and Florence Darlington Technical College, I have had the opportunity to guide and connect with thousands of undergraduate students with varying mathematical and technological experiences. While I hold very high standards and expectations for my students, I also strive to provide the resources needed to ensure success, regardless of students' previous mathematics experiences. To this end, I stress the importance of asking questions and provide many avenues for doing so (e.g., ample office hours, a Q&A forum, and weekly diagnostic check-ins); I also provide learning resources of different modes to meet every student's learning style (e.g., detailed lecture notes with theoretical and applied approaches that are visualized, ample real-world examples and practice problems, and an inventory of carefully answered questions asked by peers).

## Courses Taught

### Colgate University

Fall	2022	<i>Introductory Statistics</i>	1 section
Fall	2021	<i>Data Analysis I</i>	1 section
Spring	2021	<i>Mathematical Statistics</i>	1 section
Spring	2021	<i>Introductory Statistics</i>	1 section
Fall	2020	<i>Balderdash, Codswallop &amp; Malarkey</i>	1 section
Fall	2020	<i>Data Analysis I</i>	1 section
Spring	2020	<i>Introductory Statistics</i>	1 section
Fall	2019	<i>Data Analysis I</i>	1 section
Spring	2019	<i>Balderdash, Codswallop &amp; Malarkey</i>	1 section
Spring	2019	<i>Mathematical Statistics</i>	1 section
Fall	2018	<i>Data Analysis I</i>	1 section
Fall	2018	<i>Probability</i>	1 section
Spring	2018	<i>Introductory Statistics</i>	1 section
Fall	2017	<i>Probability</i>	1 section
Fall	2017	<i>Introductory Statistics</i>	1 section
Spring	2017	<i>Introductory Statistics</i>	1 section
Spring	2017	<i>Mathematical Statistics</i>	1 section
Fall	2016	<i>Probability</i>	2 sections

### University of South Carolina

Spring	2016	<i>Elementary Statistics</i>	1 section/1 lab
Fall	2015	<i>Elementary Statistics</i>	1 section/1 lab
Summer	2015	<i>Statistical Methods I</i>	1 section/1 lab
Spring	2015	<i>Elementary Statistics</i>	1 section/1 lab
Fall	2014	<i>Elementary Statistics</i>	1 section/1 lab
Summer	2014	<i>Elementary Statistics</i>	1 section/1 lab
Spring	2014	<i>Elementary Statistics</i>	1 section/1 lab
Fall	2013	<i>Elementary Statistics</i>	1 section/1 lab
Spring	2013	<i>Elementary Statistics</i>	3 labs
Fall	2012	<i>Elementary Statistics</i>	3 labs

### Florence Darlington Technical College

Summer	2014	<i>Probability and Statistics</i>	1 section
Summer	2014	<i>Microcomputer Applications</i>	1 section

## Supervised Student Research

Semester	Student(s)	Project & Collaborating Faculty
Summer 2021	<i>Kirill Cherniakov &amp; Lakshya Dhurka</i>	R Shiny Applet Development for the Data Science Collaboratory at Colgate University
Spring 2021	<i>Emma Rainer &amp; Vani Kanoria</i>	Modeling the Price of Antiquities (work with Elizabeth Marlowe)
Fall 2020	<i>Sahil Lalwani</i>	Effects of metformin, rapamycin, and resveratrol on cellular metabolism of canine primary fibroblast cells isolated from large and small breeds as they age (work with Ana Jimenez)
Summer 2020	<i>Chau Pham</i>	Examining the Impacts of Public Libraries in Central New York (work with Joshua Finnell)
Spring 2020	<i>Desmond Tuiyot</i>	The Instagram/Facebook Ban on Graphic Self-Harm Imagery (work with Hayden Smith)
Spring 2020	<i>Sahil Lalwani</i>	Cellular metabolism and IL-6 concentrations during stimulated inflammation in small and large dog breeds' primary fibroblasts cells, as they age (work with Ana Jimenez)
Summer 2019	<i>Caio Rodrigues Faria Brighenti</i>	Language Based Fake News Detection
Summer 2017	<i>Jake Bensky &amp; Xiaohan Li</i>	R Shiny Applet Development

## Professional Development

- 2018–2019 **Project NExT Fellow**, *Mathematical Association of America*.
- July 30-August 3, 2019 – Project NExT Workshops at MathFest (Graduated)
  - January 15-January 19, 2019 – Project NExT Workshops at the Joint Mathematical Meetings
  - July 30-August 4, 2018 – Project NExT Workshops at MathFest
- 2016–Present **Teaching Tables**, *Colgate University*.
- 04/08/2020 – ITS Training: Remote Instruction & Assessment
  - 10/16/2019 – CLTR Conversation: Exploring Class Participation
  - 09/13/2018 – CLTR Symposium on Teaching and Learning with Frank Frey, Karen Harpp, Doug Johnson, and Margaret Maurer
  - 04/25/2018 – Academic Support and Disability Services External Review Meeting
  - 04/21/2018 – Supporting the Success of International Students at Colgate
  - 12/06/2018 – Sustainability and Climate Change in Your Courses
  - 11/03/2017 – I Love Teaching, I Hate Grades: Rethinking the Ways We Motivate Students
  - 06/07/2017 – Cross-Cultural Communication Training
  - 06/02/2017 – Bridges: Building a Supportive Community Online Training
  - 03/23/2017 – Handling Student Crises
  - 03/21/2017 – Bringing Queer into the Classroom: LGBTQIA - Inclusive Teaching and Advising
  - 02/24/2017 – Obtaining and Using Mid-Semester Course Feedback
  - 10/20/2016 – Shaping the Classroom to Include All Identities
  - 10/04/2016 – LGBTQIA Safe Zone Training
  - 09/28/2016 – Teaching with Technology
  - 09/13/2016 – Question. Persuade. Refer. Suicide prevention training



## Textbooks

W. Cipolli, and R. Bower "Data analysis with R." Under review at CRC Press.

W. Cipolli, and R. Bower "Statistics for the modern student with applications in R." In progress.

W. Cipolli "Mathematical statistics with R." In progress.

## Professional Service

### Editorial Service

- Associate Editor at the American Statistician
- Associate Editor at the Journal of Statistics and Data Science Education

### Peer Reviewing – number of reviews in parentheses – AE reviews are not included

- *Statistics in Medicine* – Manuscript referee (6)
- *Computational Statistics and Data Analysis (CSDA)* – Manuscript referee (5)
- *Problems, Resources, and Issues in Mathematics Undergraduate Studies (PRIMUS)* – Manuscript referee (3)
- *Advances in Data Analysis and Classification (ADAC)*(3)
- *Annals of Applied Statistics*(1)
- *Journal of Statistics and Data Science Education (JSDSE)* – Manuscript referee (6)
- *Interdisciplinary Sciences: Computational Life Sciences* – Manuscript referee (2)
- *26th Annual European Symposium on Algorithms* – Manuscript referee (1)
- *Biometrics* – Manuscript referee (4)
- *Wiley* – Textbook review (1)
- *Birkhauser* – Textbook review (1)
- *National Institutes of Health (NIH)* – Scientific review officer for the Disease Prevention and Management, Risk Reduction and Health Behavior Change SBIR panel (2017, 2020)

### Conference Organization

- Session organizer at the Joint Statistic Meetings (2020): "*Balderdash, Codswallop, and Malarkey.*"
- Session organizer at MathFest (2019): "*Writing Projects in Mathematics.*"
- Session organizer at the Joint Mathematical Meetings (2019): "*Standards-based grading: Tools and tips for successful implementation.*"

### Colgate University: Committees

- 2022- Present: Colgate University IRB member
- 2021 : Committee on Information Technology (Elected)
- 2020 – 2023 : Assessment Committee (Elected)
- 2017 – Present : Member of the Research Computing Committee (Appointed)
- 2017–2020 : Three year appointment to Faculty Development Council (Appointed)
- 2017 : Member of the planning committee for the Division of Natural Sciences & Mathematics Retreat (Appointed)

### **Colgate University: Other Service**

- 2022 : Assessment for Learning with Will Cipolli, Alison Koleszar, and Joel Sommers
- 2021 : Statistics hiring committee
- 2020 : Thoughts on Design for Remote Assessment with Will Cipolli, Kwasi Konadu, Anna Labykina, and Bineyam Taye
- 2020 : Lecture Capture & Streaming with OBS with Will Cipolli and Joe Eakin
- 2020 : Statistics hiring committee
- 2020 : Interviews for Instructional Designer Candidates for ITS – Learning & Applied Innovation
- 2019 : Interviews for IT CIO for ITS
- 2019 : Panelist for path finding session of New Faculty Orientation
- 2019 : CLTR Symposium on Teaching and Learning with Will Cipolli, Meg Worley, Tim Byrnes, and Jenna Reinbold (Religion)
- 2018 : Combinatorics hiring committee
- 2018 – Present: MAA liason
- 2018 : Hosted a Ciccone Commons Faculty Dinner
- 2017 : Met with tenure stream candidates for the chemistry department
- 2017 : Participated in a second year faculty session for new faculty orientation
- 2017 : April Visit Days Luncheon and Faculty Reception participant
- 2017 : Presented research at the Division of Natural Sciences & Mathematics Retreat
- 2017 – 2019 : Minute taker for the Mathematics department meetings
- 2017 : Presenter at a Ciccone Commons speakeasy titled *“Has Siri taken over? The roles of artificial intelligence”*
- 2016 : 2017: Coordinator for the Colgate data science club team at DataFest17 competition
- 2016 : 2017: Coordinator for student presenters at the Hudson Valley Undergraduate Math Conference at Westfield State University
- 2016 : Putnam exam proctor