



Dr. Mario Giacomazzo

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Education

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| 2018 | Ph.D. in Statistics, Arizona State University, Tempe, AZ
<i>GPA: 4.00</i> |
| 2016 | M.Sc. in Statistics, Arizona State University, Tempe, AZ
<i>GPA: 4.00</i> |
| 2012 | B.A. in Secondary Math Education, Baldwin-Wallace
University, Berea, OH
<i>GPA: 3.89</i> |

Teaching Experience

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| 2018-Now | Teaching Assistant Professor, University of North Carolina.
<i>Data Science, Introductory Statistics</i> |
| 2012-2018 | Teaching Assistant, Arizona State University.
<i>Precalculus, Calculus I, Elements of Statistics, and Statistics
for the Biosciences</i> |
| 2011 | High School Math Teacher, Berea, OH.
<i>Algebra I, Algebra II, and Precalculus</i> |
| 2011 | Assessment and Learning in Knowledge Spaces (ALEKS)
Instructor, Baldwin-Wallace University |
| 2010-2011 | College Mathematics Tutor, Baldwin-Wallace University |

Work Experience

- 2013-2014 Data Analyst, Health Service Advisory Group, Phoenix, AZ.
- 2011 Transfer Student Coordinator, Baldwin-Wallace University
- 2008-2011 Admissions Staff Worker, Baldwin-Wallace University

Statistical Consulting

- 2013 Experimental Project Regarding the Influence of Carbon Dioxide, Nitrogen, Ozone, and Their Interactions on Plant Growth Rate
- 2013 Observational Project Comparing the Strength of Friendliness and Tolerance Between Dogs. Studied How Strength of Relationship is Different Between Mother/Daughter, Cousins, Aunt/Niece, Siblings, and Unrelated
- 2013 Study on the Effectiveness of an LGBT Intervention Program at Arizona State University. Comparison of Students Views Towards LGBT Issues With and Without the Experimental Intervention
- 2012 Analysis on the Difference in Reading Time of Non-Native and Native Hindi Speakers. Examined How Reading Time Varies Across Different Adjective/Noun Pairings
- 2012 Analysis on the Difference in Reading Time of Beginner, Intermediate, and Advanced Spanish Speakers. Examined How Reading Time Varies Across Different Adjective/Noun Pairings
- 2012 Study on the Level of Assimilation to American Culture. Compared the Assimilation Differences Between First, Second, and Third Generation Immigrants from South America
- 2012 Study on the Effectiveness of Arizona State University Teaching Assistants Based on English Fluency, Strength of Accent, and Pronunciation Abilities

Funded Research Experience

- 2015 Summer Arizona State Block Research Grant.
Topic: Forecast Combination Schemes for Predicting Maximum Water Temperature in Rivers
- 2013-2014 Data Analytics Internship at Health Services Advisory Group.
Topic: Measure the Effectiveness and Discriminate Between Medicare and Medicaid Funded Home Health Care Agencies

Presentations

- 2018 Giacomazzo, Mario. *Bayesian Shrinkage Estimation of Smooth Transition Autoregressive Models*. Presented at the International Symposium on Forecasting in Boulder, Colorado
- 2017 Giacomazzo, Mario. *Bayesian Lasso Estimates for Smooth Transition Autoregressive Models: Application on Daily Maximum Stream Water Temperatures*. Presented at the Statistical Seminar Series at Arizona State University in Phoenix, Arizona
- 2015 Giacomazzo, Mario. *Forecast Combination Schemes for Predicting Maximum Water Temperature in Rivers*. Presented at the International Symposium on Forecasting in Riverside, California
- 2013 Giacomazzo, Mario. *What are the Characteristics of High and Low Performing Home Health Agencies in the United States?* Presented to the Analytics Team at Health Service Advisory Group in Phoenix, Arizona

Professional Memberships

American Statistical Association, International Journal of Forecasting, Institute of Mathematical Statistics

Technical Skills

Statistics: Linear Models, Multivariate Methods, Principal Component and Factor Analysis, Mixed Models, Clinical Trial Analysis, Categorical Data Analysis, Linear and Nonlinear Time Series Analysis, Biostatistics, Econometrics, Generalized Additive Models, Longitudinal Data, Forecasting Combination, Bayesian Shrinkage Estimation, Bayesian Model Selection, MCMC Programming, Simulation Studies and Experiments

Computing Platforms: Windows, Macintosh, UNIX

Statistical Programming Languages and Software: Extensive Experience with SAS and R, SPSS, STATA, MINITAB, JMP, Python, C++, JAGS, BUGS, STAN

Additional Software: Excel, Word, PowerPoint, Publisher, Photoshop, Illustrator, Indesign, MATLAB, Maple, Mathematica, Proficient Use with LATEX and Git

University Involvement

Graduate Involvement

Public Relations, Graduate Statistics Club
Leader, Graduate Christian Fellowship

Undergraduate Involvement

Vice President, Baldwin-Wallace University Student Body
President, Commuter Activity Board
Treasurer, Distinguished Leaders Conference
Director, Pi Lambda Phi Recruitment
Student Senator, Representative for Commuter District
Chair, Student Senate Facilities Committee
Commuter Student Representative, Office of Commuter Services
Orientation Leader, Baldwin-Wallace University

Honors and Accolades

Honor Societies

2010 Dayton C. Miller, *Top 1% of Baldwin Wallace's Juniors and Seniors*
2010 Order of Omega, Greek Honorary for Leadership and Academics
2010 Gamma Sigma Alpha, Greek Honorary for Academic Achievement
2009 Kappa Mu Epsilon, Honorary for Achievement in Mathematics
2009 Kappa Delta Pi, Honorary for Achievement in Education
2009 Alpha Lambda Delta, Outstanding Freshman Honorary

Awards

- 2012 Charles and Elsie Scholarship
- 2011 PRAXIS Mathematics Content Knowledge Distinction
- 2011 Alan Blumenthall Prize in Student Government
- 2011 J. E. Adams Scholarship in Mathematics
- 2010 Dr. E. S. Loomis Math Prize
- 2009 Robert Schlea Mathematics Scholarship
- 2007 Salutatorian, Heritage Christian School, Brooklyn, OH