

MICHAEL DECLAN POWER

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EDUCATION

Temple University, Philadelphia, Pa Ph.D. Candidate in the Department of Statistical Science	<i>Expected May 2020</i>
Temple University, Philadelphia, Pa Master of Science in Statistics	<i>December 2017</i>
Villanova University, Villanova, Pa Master of Arts in Mathematics	<i>May 2016</i> Overall Gpa: 4.0
Temple University, Philadelphia, Pa Bachelor of Arts in Mathematics	<i>May 2011</i> <i>Summa Cum Laude</i>

RESEARCH INTERESTS

Bayesian Statistics, Multivariate Analysis, Probability Theory, and Sufficient Dimension Reduction.

CERTIFICATES

Fox Online Teaching Certificate, Temple University	<i>2018</i>
Completion of Fox Teaching Academy, Temple University	<i>2018</i>
Certificate of Graduate Study in Applied Statistics, Villanova University	<i>2015</i>

SELECTED COURSEWORK

Probability Theory I and II, Stochastic Processes, Statistical Methods I and II, Experimental Design, Sampling Theory, Applied Multivariate Analysis, Bayesian Statistics, Time Series Analysis and Forecasting, Longitudinal Data, Advanced Statistical Inference I and II.

WORK EXPERIENCE

Department of Statistical Science, Temple University, Philadelphia, Pa August 2016 - present
Teaching Assistant

- Teaching assistant for various courses in the Department of Statistical Science. Assist instructors in their courses by grading and holding weekly office hours. Courses have included: Stat0827: Statistical Reasoning and Games of Chance; Stat1001: Quantitative Methods for Business I (Pre-calculus); Stat1102: Quantitative Methods for Business II; Stat2103: Statistical Business Analytics.
- Lecturer for Stat1102: Quantitative Methods for Business II [4 semesters]. Responsible for teaching Stat1102 (Business-Calculus) to a section of 60 students. I develop lesson plans and exams, and hold lectures and office hours, while providing consistent feedback to students.

Michael Declan Power

Signed

3/13/2020

Dated

Mathematics and Computer Science Department, La Salle University, Philadelphia, Pa
August 2019 - December 2019
Adjunct Instructor

Sole lecturer for a 20-student section of MTH101, Intermediate Algebra. Planned and executed lectures, held weekly office hours, and tested students while providing valuable feedback.

Department of Online and Digital Learning, Temple University, Philadelphia, Pa August 2016 - May 2018
Data Analyst

Assisted in data collection for online undergraduate and graduate Fox School degree programs; analyzed student and course performances using regression analysis and other statistical methods through the use of various software.

Department of Mathematics and Statistics, Villanova University, Villanova, Pa August 2015 - May 2016
Teaching Assistant

Teaching assistant for Math1312: Biocalculus and Math1320: Calculus I for Liberal Arts. Assisted instructors by grading and holding weekly office hours. Also tutored students in various mathematics and statistics courses in Villanova's Math Learning Resource Center.

MANUSCRIPTS IN PREPARATION

Power, M.D. & Dong, Y. (2020), "Bayesian Model Averaging Sufficient Dimension Reduction."

Power, M.D., Soale, A., & Dong, Y. (2020), "On Multivariate Response Regression for Sufficient Dimension Reduction."

PRESENTATIONS AND INVITED TALKS

Power, M.D. (February 28, 2020). Bayesian Model Averaging Sufficient Dimension Reduction. Invited talk at Bucknell University, Lewisburg, PA.

Power, M.D. (February 21, 2020). Sufficient Dimension Reduction: Ordinary Least Squares and its Limitations. Invited talk at Swarthmore College, Swarthmore, PA.

Power, M.D. (November 21, 2019). Bayesian Model Averaging Sliced Inverse Regression. Invited talk at St. Joseph's University, Philadelphia, PA.

Power, M.D. (October 2, 2019). Bayesian Model Averaging for Sufficient Dimension Reduction. Presented at the 9th Annual Student Research Competition, Fox School of Business, Temple University, Philadelphia, PA.

HONORS AND AWARDS

Doctoral Dissertation Completion Grant
Graduate Board Fellowship Committee, Temple University

Spring 2020



Initialed

Dissertation Proposal People's Choice Award, 1st Place
9th Annual PhD Student Research Competition, Fox School of Business, Temple University 2019
Excellence in Doctoral Teaching in the Statistical Science Program, Temple University 2018
Dean's Certificate of Excellence, Fox School of Business, Temple University 2017
Tuition Scholarship Award, Villanova University 2015 - 2016
Christopher W. Copple Award for Excellence in the Field of Mathematics, Temple University 2011
Inducted into Golden Key International Honour Society, Temple University 2011
Atlantic 10 Commissioners Honor Roll, La Salle University XC/ Track and Field 2007 - 2009

PROFESSIONAL MEMBERSHIPS

American Statistical Association



Initialed