

# Monica L. Brown

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## EDUCATION

### ST. MARY'S UNIVERSITY OF MINNESOTA

*Doctorate of Education, Educational Leadership, expected May 2022*

### SOUTHERN ILLINOIS UNIVERSITY AT EDWARDSVILLE

*Masters of Science, Mathematics (concentration in Statistics), August 1998*

Thesis: Inference on Distribution Functions through Bayesian Nonparametric Methods

### MARYVILLE COLLEGE, ST. LOUIS

*Bachelors of Science, Actuarial Science, May 1990*

## ACADEMIC EXPERIENCE

**Mary T. Hill Director of Data Science** 2020 - present

**Department Chair** August 2015 – 2019  
Department of Mathematics, Saint Catherine University

**Assistant Professor** August 2008 – 2019  
Department of Mathematics, Saint Catherine University

**Adjunct Faculty** 2008 - 2009  
Department of Mathematics, Normandale Community College

**Lecturer** 2003 - 2007  
Department of Mathematics, University of Missouri–Saint Louis

**Adjunct Faculty** 2001 – 2003; 1998 - 1999  
University of Missouri–Saint Louis  
Maryville University  
St. Charles County Community College

**Graduate Teaching Assistant** 1996-1998  
Department of Mathematics and Statistics, Southern Illinois University-Edwardsville

## INDUSTRY EXPERIENCE

**Actuarial Analyst III** 2007 – 2008  
Blue Cross Blue Shield of Minnesota, Eagan, Minnesota

**Analyst II** 1999 – 2001  
Ascension Health, St. Louis, Missouri

**Research Analyst** 1991 - 1994  
National Casualty Company, St. Louis, Missouri

## **AWARDS**

Recipient, Faculty Mentor Award nomination Saint Catherine University	2016 - 2019
Recipient, Excellence in Teaching and Advising Award Saint Catherine University	2014 - 2015
Meritorious Service Award, Office of Disability Services University of Missouri-Saint Louis	2007
Gordon Chamness Award for Outstanding Graduate Student in Statistics Southern Illinois University-Edwardsville	1998

## **CONFERENCES ATTENDED & SELECT PRESENTATIONS**

### **St. Catherine University**

Anti-Racism Pedagogy Across the Curriculum - participant Metro State University, St. Paul, MN	May 2019
Effective Data Science Pedagogy – participant St. Olaf College, Northfield, MN	May 2019
Women in Statistics & Data Science - participant Cincinnati, OH	Oct 2018
ECOTS – Electronic Conference on Teaching Statistics – participant	May 2018
The Art of Perception Seminar – participant St. Catherine University	Nov 2017
Leveraging Diversity: The Department Chairs’ Transformative Role participant	Nov 2017
StatPREP – university host and participant St. Catherine University	June 2017, 2018
Academy for Leaders - participant Center for Courage & Renewal, Chaska, MN	Oct 2015 - May 2016
MAA Conference, Precalculus to Calculus: Insights and Innovations – participant University of St. Thomas, St. Paul, MN	Jun 2016
2014 Minnesota Spring Mathematics Conference – co-presenter Duluth, MN	May 2014
CIR, Workshop on Collaborative Undergraduate Research - participant St. Olaf College, Northfield, MN	Oct 2013

### **University of Missouri - Saint Louis**

Focus on Teaching and Technology Conference – co-presenter University of Missouri – Saint Louis	Nov 2006
R2R workshop – co-presenter and participant Baltimore, MD	Jun 2006
MyMathLab Demonstration University of Missouri – Saint Louis	Mar 2006

### **ACTIVITIES AND INSTITUTIONAL SERVICE**

#### **St. Catherine University**

Mary T. Hill Director of Data Science Founder, Just Data Lab	2020-present 2020
Mathematics Department Chair Designed and implemented Data Science major Designed and implemented Interdisciplinary Statistics minor	2015-present 2018 2015
CHADs Development Workshops CHADs monthly meetings	
Data Science Advisory Group, Founder and Chair Statistics Advisory Group, Founder and Chair	2019 - present 2017-2018
Co-facilitator of WAALK	2020 – present
Faculty Advisor for CRU	2017 - present
Sub-awardee, StatPREP Grant Host of conferences, June 2017 & 2018 Designated hub for local institutions	2017
Co-Principal Investigator, NSF S-STEM Grant Responsible for developing Calculus course with STEM focus Informal meetings/discussions with STEM scholars during academic year Reporting data on government website	2011- 2016
Faculty Senate President	2021 - 2022
Faculty Senate President-Elect	2020 - 2021
Member (elected), Faculty Senate	2018 - 2020
Member, Retention and Completion Advisory Committee (RCAC)	2015 - 2018
Member, Admissions Committee	2011- 2018
Member, CORE Committee	2011, 2012, 2018
Member (elected), Academic Resources Committee Chair/Co-chair, 2013 - 2017	2011 - 2017
Member, Taskforce on Academic Preparedness	Feb 2014 - May 2014
Contributor, Girls Science Saturday	2009
<b><u>University of Missouri - Saint Louis</u></b>	
Member, Andalafte, Spencer and Scholarship Committee.	2006, 2007

**Professional**

Society of Actuaries Course 100 Examination

1990

**PROFESSIONAL MEMBERSHIPS**

American Statistical Association

2017-present

**COURSES TAUGHT**

St. Catherine University

Mathematical Skills for Quantitative Reasoning, Mathematical Ideas in Contemporary Society, Statistical Analysis, College Algebra for the Health Sciences, Precalculus, Calculus I, Applied Calculus, The Reflective Woman

University of Missouri – St. Louis

Served as course coordinator for multi-sections of Calculus I, Calculus II, and Basic Probability and Statistics

College Algebra, Basic Calculus, Calculus I, Calculus II, Finite Mathematics, Structures of Mathematical Systems, Basic Probability and Statistics, Elementary Statistics, Applied Statistics

**COMPUTER SKILLS**

Learning Management Systems: D2L, Blackboard, Canvas

Online Homework Systems: MyMathLab/MyStatLab, WebAssign

Other Software Languages: Mathematica, R