

JULIE A. FRISCHMANN

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EDUCATION

Master of Science, Mathematics

Fall 2019

Emphasis: Statistics

IDAHO STATE UNIVERSITY, Pocatello, Idaho

Bachelor of Science, Applied Mathematics

June 2008

Minors: Economics, Spanish

WESTERN WASHINGTON UNIVERSITY, Bellingham, Washington

ACADEMIC EXPERIENCE

Clinical Associate Professor

Spring 2024 – Present

Clinical Assistant Professor

Fall 2019 – Fall 2023

IDAHO STATE UNIVERSITY, Pocatello, Idaho

Teaching Experience:

Quantitative & Analytics Courses

- Business Statistics
- Applied Business Statistics
- Introduction to Data Analytics
- Business Analytics (MBA)

Mathematical Foundations

- Mathematics for Business
- Mathematics for Economics

Curriculum Development:

- Align curriculum across business math, statistics, and analytics courses
- Develop and implement new curriculum for Introduction to Data Analytics
- Develop and implement new Mathematics for Business course to serve as a prerequisite for Business Statistics and Principles of Accounting I
 - Collaborate with the Mathematics Department and College of Business faculty to coordinate curriculum alignment and course cross-listing
 - Construct student course workbook in partnership with math department faculty

Service:

- Develop and coordinate Actuarial Science Certificate program
- Contribute to Commission on Accreditation of Healthcare Management (CAHME) accreditation process leading to initial accreditation
- Support undergraduate honors students through contracted business statistics projects
- Supervise math tutoring Career Path Internship positions and business statistics lab assistant positions
- Facilitate GRE quantitative study sessions every summer for ISU TRiO McNair scholars
- Teach GRE instructional courses through the Student Success Center
- Pilot and provide faculty feedback on Canvas and Navigate software implementation
- Design and host middle school probability activity on campus to connect local students with the College of Business

University and College Committees

- Research Council
- AACSB Strategic Planning Committee
- Geospatial Coordinating Committee
- Assurance of Learning Committee
- Math Department Strategic Planning
- Hiring and Promotion & Tenure Committees

Professional Development:

- Innovate and grow as an instructor by participating in the following:
 - AI Essentials: Getting Up to Speed for Informed Decisions at the Mathematical Association of America (MAA) Intermountain Section meeting
 - Faculty book discussion groups
 - Center for Learning and Instructional Excellence workshops

- Teaching with JMP, R, and Stata webinars
- Electronic Conferences on Teaching Statistics (eCOTS)
- International Conference on Technology in Collegiate Mathematics
- Spatial Data Science workshops hosted by ESRI

First Year Transition Academic Coach & Instructor

Fall 2015 – Spring 2019

IDAHO STATE UNIVERSITY, Pocatello, Idaho

Instructor:

- Taught mathematics and statistics courses each summer for Bengal Bridge including supplemental instruction credits to ensure success in the 7-week Bridge program
- Taught collegiate level academic skills and transition courses for first year students focused on self-efficacy
- Organized and led math co-requisite model for Math 1123 and Math 1153 with the goal of improving retention

Academic Coach:

- Provided support for a cohort of 100 first year students
- Collaborated with academic departments on campus to implement early intervention

Math Center Coordinator:

- Hired, trained, and mentored undergraduate students to become confident and patient mathematics and statistics tutors
- Led quantitative reasoning GRE study sessions for future graduate students
- Collected data on Math Center utilization to better serve students and efficiently manage resources

Mathematics Instructor

August 2015 – May 2019

IDAHO STATE UNIVERSITY, Pocatello, Idaho

- Taught Introduction to Statistics, Mathematics for Elementary Education, and various algebra courses
- Integrated problem-solving and critical-thinking activities aligned with course learning outcomes
- Included innovative teaching techniques to enhance math learning and application

Private Mathematics & Statistics Tutor

January 2003 – Present

SELF-EMPLOYED, Idaho, Washington, California, Tennessee, Florida

- Tutor graduate-level applied statistics courses for social science and education programs
- Provided individualized instruction in mathematics and applied statistics to over 500 students ranging from elementary to graduate level

Graduate Student Teaching Assistant

August 2012 – July 2014

IDAHO STATE UNIVERSITY, Pocatello, Idaho

- Taught 5 semesters of college level mathematics and statistics, including Math 1153 and 0025
- Designed and implemented curriculum for introductory statistics

PROFESSIONAL EXPERIENCE

Health & Benefits Senior Actuarial Associate

July 2009 – May 2012

MERCER, San Francisco, California

Modeling and Statistical Analysis:

- Evaluated plans' cost drivers and utilization to develop cost-reducing strategies through linear and multiple regression analyses
- Calculated claim projections for self-funded plans and price benefit changes using various distributions
- Forecasted and modeled Incurred But Not Reported Liabilities
- Analyzed ROI for wellness programs, weight management programs, incentives, and other ad hoc requests through Monte Carlo simulations and cohort studies
- Prepared cost/savings reports analyzing clients' demographics and claim patterns

Consulting:

- Negotiated renewals on fully-insured contracts resulting in annual savings of over one million dollars
- Consulted on health care reform legislation and health plan legal issues/compliance

Management:

- Coordinated monthly office-wide Health Care discussion panels, peer-reviewed colleagues' work for accuracy and content
- Facilitated and organized monthly new hires' trainings

Health & Benefits Senior Actuarial Analyst

July 2008 – July 2009

MERCER, Seattle, Washington

Analysis:

- Created and maintained monthly medical, dental, and vision claims experience reports
- Corresponded with vendors, negotiated renewals, completed Form 5500 Filings, and reviewed SPDs/contracts for clients' health, dental, vision, stop loss, and ancillary policies
- Prepared self-insured funding rates and designed employee contribution strategies for medical/prescription, dental, vision, life and disability plans

ACCOMPLISHMENTS & RECOGNITIONS

Teaching

- College of Business Outstanding Teacher Award (April 2025)
- ROAR Faculty Appreciation Series, ROAR Weekly, Teaching. (August 4, 2021)
- Nominated for LDS Student's Excellence in Education Award, Idaho State University LDS Student Association (May 2016 and May 2018)

Society of Actuary Exams

- Passed Probability, Financial Mathematics, and Financial Economics Exams
- Applied Statistical Methods, Corporate Finance, and Economics VEE Credits

PUBLICATIONS

Frischmann, J., Tocher, N., & Bolinger, A. (2017). Radical innovation on the Idaho frontier. *Cases in Health Services Management*.

Frischmann, J., & Moor, K. (2017). Bridging the gap: Supporting the transition from high school to college. *Administrative Issues Journal*.

WORKING PAPERS

Salunkhe, S., Miller, A., Frischmann, J., & Nassar, W. *Office-based physician visits among U.S. adults: A cross-sectional analysis*. Working paper.

Buder, I., Frischmann, J., Jennings, J., & Whipple, B. *A comparative analysis of occupational prestige measures*. Working paper.

RESEARCH COLLABORATIONS & ACKNOWLEDGMENTS

Contributing collaborator acknowledged in:

Farnes, A., Weber, K., Koerner, C., Araújo, K., & Forsgren, C. (2023). The power grid/wildfire nexus: Using GIS and satellite remote sensing to identify vulnerabilities. *Fire*, 6(187). <https://doi.org/10.3390/fire6050187>

SOFTWARE & ANALYTICAL TOOLS

Statistical & Analytical Software: R, Stata, SAS, SPSS, JMP, MATLAB, Mathematica, Minitab

Data Management & Programming: SQL, Visual Basic

Data Visualization & GIS: Tableau, Power BI, ArcGIS

Productivity & Data Tools: Microsoft Excel (advanced), Microsoft Office Suite

PROFESSIONAL MEMBERSHIPS

American Statistical Association (ASA)

ASA-Snake River Chapter