

# JULIE A. FRISCHMANN

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## EDUCATION

**Master of Science, Mathematics** Fall 2019

**Graduate Courses, 42 Credits of Mathematics and 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*

### Instruction:

- Teach, create curriculum, and align curriculum for mathematics for business, business statistics, and business analytics courses, specifically:
  - MGT 1116 – Mathematics for Business
  - MGT 2216 – Business Statistics
  - MGT 2217 – Applied Business Statistics
  - ECON 3384 – Mathematics for Economics
  - MBA 6637 – Business Analytics
- Innovate and grow as an instructor by participating in the following:
  - Faculty book discussion group
  - Program for Instructional Effectiveness workshops
  - Teaching with JMP webinars
  - Electronic Conferences on Teaching Statistics (eCOTS)
  - International Conference on Technology in Collegiate Mathematics
  - Spatial Data Science workshops hosted by ESRI
- Support undergraduate honors students through contracted business statistics projects
- Supervise math tutoring CPI positions and business statistics GA positions

### Service:

- Create Actuarial Science Certificate
- Develop and implement new business math course to serve as a prerequisite for MGT 2216 and ACCT 2201
  - Collaborate with the math department and all departments within the College of Business to agree upon curriculum and cross-listing the course
  - Construct student course workbook in partnership with math department faculty
- Facilitate GRE quantitative study sessions every summer for ISU TRiO McNair scholars
- Teach GRE instructional courses through the Student Success Center
- Participate in the following committees:
  - Geospatial Coordinating Committee
  - Assurance of Learning Committee
  - Math Department Strategic Planning
  - Hiring and P&T Committees
- Pilot and provide feedback for Canvas and Navigate software
- Design middle school probability activity to host on campus to connect local students with the College of Business

**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 and learning outcomes to
- 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
- Provide one-on-one tutoring for elementary through upper division college level mathematic and statistic curriculum for more than 500 students throughout tutoring career

**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 Recorded 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 5 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 & RECONITIONS

### Teaching

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

### 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

Buder, I., Frischmann, J., Jennings, J., Whipple, B. A Comparative Analysis of Occupational Prestige Measures.

## ACKNOWLEDGMENTS

Farnes, A.; Weber, K.; Koerner, C.; Araújo, K.; Forsgren, C. The Power Grid/Wildfire Nexus: Using GIS and Satellite Remote Sensing to Identify Vulnerabilities. *Fire* 2023, 6, 187. <https://doi.org/10.3390/fire6050187>

## ADDITIONAL SOFTWARE SKILLS

**Software:** R, STATA, SAS, SPSS, MATLAB, Mathematica, SQL, R, JMP, Tableau, ArcGIS, Microsoft Office Suite, Excel, Access, Visual Basics, Minitab