

John Z. Hossler, PhD

*Assistant Professor of Mathematics
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Education

University of Montana, 2012

Ph.D. Mathematics, focus in Statistics

Dissertation: Inference for High Dimensional Doubly Multivariate Data Under General Conditions

University of Montana, 2008

M.A. Mathematics, focus in Statistics

Professional Project: Examining the Skew-Normal Distribution

George Fox University, 2006

B.S. Mathematics

Professional Experience

Assistant Professor of Mathematics

Seattle Pacific University, 2012—Present

Lecturer

University of Washington, 2015

Research Interests

Probability and statistics; gamification of higher education; applied statistics, through consulting; best practices in teaching; sports statistics

Teaching Experience

Seattle Pacific University

Senior Capstone Seminar (Mathematics)

Introduction to Proof

Engineering Probability and Statistics

Intro to Stats for Sciences

Introduction to Statistics

Statistics for Business and Economics

Calculus III

Calculus II

Calculus I

College Readiness Math I

University of Montana

Introduction to Probability and Statistics
Introduction to Statistics
Calculus I
College Algebra
Contemporary Mathematics

University of Washington

Probability I

Consulting Experience

Feline Arthritis

Dr. Sue Thompson, Veterinarian, Paradise, CA, 2015

Non-linear Modelling with Experimental Thermodynamic Data: Program writing and implementation

Dr. Wade Grabow, Chemistry Department, Seattle Pacific University, 2014

SSI in Wood in the Seattle Area: Statistical analysis and critique

James T Derrig, Attorney at Law, Seattle, WA, 2013

The Rural Institute on Disability: Statistical analysis and reporting for government housing data

Dr. Craig Ravesloot, RTC: Rural, University of Montana, Missoula, MT, 2012

Night Shift Nursing: Statistical analysis

Jenna Hubbard, RN, St. Patirck's Hospital, Missoula, MT, 2012

Selected Talks

"Methods for High-Dimensional Multivariate Repeated Measures Data under General Conditions"

Mathematical Association of America Pacific Northwest Regional Meeting, Salem, OR, 2013

"Derivative of Generalized Power Functions: An Exercise in Extracurricular Calculus"

Seattle Pacific University, Seattle, WA, 2012

University Service and Involvement

Untethered Learning Community of Practice, 2014-2015

Washington Junior Science and Humanities Symposium, 2015

Otto Miller Hall Rededication Committee, 2014

Professional Memberships

American Mathematical Society

American Statistical Association

Mathematical Association of America