

Suzanne Yvette Loch

Statistics Teaching Professional: classroom and online

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Suzanne Loch is an instructor of statistics who has extensive experience working with diverse student populations and as part of an interdisciplinary team. Her teaching of statistics focuses on active learning where students work together to understand and use statistical concepts. Suzanne has partnered with history professors and public speaking instructors to deliver rich learning communities.

CAPABILITIES

Courses: Statistics – classroom and online

Digital Tools: TI graphing calculator, Excel, Google forms, iPad

Students: non-native speakers, TRIO, interdisciplinary

TEACHING EXPERIENCE

University of Minnesota - College of Education & Human Development/General College
1999 – present

Senior Teaching Specialist Statistics and Mathematics

- Develop and teach introductory statistic course (both face to face and exclusively online versions) and development mathematics courses
- Collaborate on development and teaching in learning communities with American history and public speaking courses
- Edited and revised statistical text “Collaborative Statistics Using Spread Sheets”
- Students develop proficiency in the use of TI-83 graphing calculators, DataDesk statistical software and Microsoft Excel
- Statistics course focuses on discovery of statistical concepts with guided group work and data exploration
- Strong writing component in the statistics course. Student analyze real data and explain findings, students gather data through research or surveys, analyze data with charts, graphs, numerical summaries, and statistical tests and report
- Mathematics courses taught with traditional lecture format and computer mediated

University of Minnesota - College of Continuing Education 2006 – 2011

- Instructor for online distance learning introductory statistics course
- Responsible for content development, grading, answering questions, and providing feedback
- Statistics course delivered exclusively online

St. Catherine University 1998 -2005

Mathematics Instructor

- Taught developmental mathematics courses
- Teaching strategies include cooperative group work, lecture, large group discussions, and journaling.

Metropolitan State University 1996 – 2000

Statistics and Mathematics Instructor

- Taught introductory college statistics, college mathematics, and developmental mathematics courses
- Teaching strategies include cooperative group work, mini-lectures, journaling, research projects, and using Mega Stat computer program

GRADUATE TEACHING – University of Minnesota

College of Education/General College 1992-1996, 1999-2000

- Instructing introductory college statistics and developmental mathematics courses
- Design and implement statistical activities for individual and group work
- Supervise undergraduate teaching assistants
- Teaching strategies include cooperative group work, case studies, two-minute essays, using statistical analysis computer program, and problem solving activities using real life data sets. Statistics students completed a project where they design a survey, collect data, and analyze their data using all the methods taught in the course.
- Assisted professors in the instruction of graduate level statistics courses
- Resource for student questions

University of Minnesota Extension Neighborhood Programs 1995

- Taught basic mathematics, elementary, and intermediate algebra to ethnically diverse adult learners

EDUCATION

- M.A. in Educational Psychology/Psychological Foundations/Statistics and Research from the University of Minnesota, Minneapolis, March 2000
- B.S. in Sociology major with emphasis in mathematics and statistics from the University of Minnesota, Minneapolis, June 1992

SERVICE TO THE UNIVERSITY - COMMITTEES

- Teaching Specialist Merit Review Process Committee, PSTL 2014
- Teaching Specialist Merit Review Committee, PSTL 2013, 2007
- Common Book Working Group October PSTL 2008 - 2009
- P&A Merit Review Short-Term Development PSTL 2007
- Admissions and Advancement (A & A) Standing Committee GC 2003 - 2005

- Council of Academic Professionals and Administrators (CAPA) Standing Committee GC 2003 - 2006
- Reappointment Periodic Evaluation of Teaching Specialist Committee GC 2003

COURSES DEVELOPED and TAUGHT

Statistics: Understanding and Applying Data – an exclusively online course (PSTL 1004)

Statistics (PSTL 1004)

Directed Study (PSTL 1993)

Introductory Statistics (GC 1454)

Intermediate Algebra (GC 0731)

Computer Mediated Intermediate Algebra (GC 0732)

Introductory Algebra (GC 0721)

Computer Mediated Introductory Algebra (GC 0722)

CO-TEACHING/ LEARNING COMMUNITY

“Exploring the “American Dream:” Myth? Reality? Both?” partnered with PSTL 1231: Multicultural Perspectives in U.S. History

“Statistically Speaking” partnered with PSTL 1461: Multicultural Perspectives in Public Speaking

“Quantifying the American Dream” partnered with PSTL 1231: Multicultural Perspectives in U.S. History