
Kelly A. Ayres

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EDUCATION

- Doctor of Philosophy (PhD) in Public Health Studies*** Fall 2018-present
 Concentration in Biostatistics GPA: 3.79/4.00
 Saint Louis University (SLU) St. Louis, MO
 Dissertation:
 Estimating the Reproduction Number for
 COVID-19: A Hidden Markov Model
 Doctoral Adviser: Dr. Steve Rigdon
 Dissertation Committee:
 Dr. Travis Loux
 Dr. Fadel Megahed
 Dr. Steve Rigdon (Chair)
- Principles Certificate, Certificate in University Teaching Skills (CUTS)*** November 2020
 Saint Louis University (SLU)
- Post-Graduate Training in Mathematics and Statistics*** January 2014-December 2017
 University of Missouri-St. Louis GPA: 3.63/4.00
St. Louis, MO
- Master of Science (MS) in Mathematics*** Degree Awarded: August 2013
 Concentration in Statistics and Operations Research GPA: 3.33/4.00
 Southern Illinois University Edwardsville (SIUE) Edwardsville, IL
 Master's Project:
 Bayesian and Frequentist Hypothesis Testing in Analysis of Variance
 Master's Adviser: Dr. Andrew Neath
- Master of Science (MS) in Economics and Finance*** Degree Awarded: August 2010
 Concentration in Applied Economics GPA: 3.36/4.00
 Southern Illinois University Edwardsville (SIUE) Edwardsville, IL
 Master's Adviser: Dr. Ali Kutan
- Bachelor of Arts (BA) in Economics*** Degree Awarded: December 2008
 University of Illinois at Urbana-Champaign GPA: 3.46/4.00
Urbana, IL

WORK EXPERIENCE

Instructor in Public Health

Department of Epidemiology and Biostatistics
Saint Louis University

July 2022-present
St. Louis, MO

- Teach undergraduate and graduate public health courses both in person and online
- Teach core biostatistics courses in the Master of Public Health (MPH) graduate program
- Hold office hours and review sessions in person and online via Zoom

Courses taught as instructor of record:

BST 5100 Introduction to General Linear Modeling: Spring 2023 (1)

BST 5030 Statistical Programming and Study Planning: SAS: Spring 2023 (1)

PUBH 5010: Mission and Practice of Global Public Health, Fall 2022 (2)

PUBH 5040 Generating Evidence from Public Health Data: Fall 2022 (2), Spring 2023 (1)

Lecturer

Department of Economics and Finance
Southern Illinois University Edwardsville

August 2015-present
Edwardsville, IL

- Teach introductory economics and management science courses and hold office hours
- Teach traditional face to face courses and online/blended format courses
- Teach full-semester courses and shortened, intensive summer courses
- Developed Excel assignments with real world applications for MS 251: Statistical Analysis for Business Decisions

Courses taught as instructor of record:

ECON 112: Principles of Microeconomics

MS 250: Mathematical Methods for Business Analysis

MS 251: Statistical Analysis for Business Decisions

Adjunct Mathematics Instructor

Department of Mathematics
Lewis and Clark Community College

August 2013-present
Godfrey, IL

- Teach mathematics and statistics courses and hold office hours
- Teach full-semester courses and shortened, intensive summer courses
- Teach traditional face to face courses and online courses
- Developed extensive worksheets, study guides, and extra examples for all courses, especially the MATH 145: General Education Statistics and MATH 131:

College Algebra courses

- Teach traditional courses and enhanced courses with corequisites

Courses taught as instructor of record:

MATH 031: College Algebra Support

MATH 038: General Education Math Support

MATH 045: Statistics Support

MATH 111: Prealgebra

MATH 116: Intermediate Algebra
 MATH 129: Business Mathematics
 MATH 131: College Algebra
 MATH 137: Elementary Mathematical Modeling
 MATH 138: General Education Mathematics
 MATH 145: General Education Statistics
 MATH 165: Calculus for Business and Social Science
 MATH 235: Statistics
 STSK 132: Integrated Study Skills

Online MBA Course Facilitator

School of Business/Economics & Finance/Management & Marketing January 2019-August 2022
 Southern Illinois University Edwardsville Edwardsville, IL

- Course facilitator for large (class size of over 100 students) online Master of Business Administration (MBA) courses
- Serve as point of contact for content level questions for graduate courses
- Assist graduate students with questions related to statistics and economics
- Grade student work including exams and case studies
- Hold online Zoom sessions to help reinforce course material to students
- Course facilitator for MBA 521: Quantitative Analysis (9 sections) and ECON 528: Managerial Economics (6 sections)

Adjunct Instructor in Biostatistics/Graduate Teaching Assistant (GTA)

Department of Epidemiology and Biostatistics October 2019-June 2022
 Saint Louis University St. Louis, MO

- Teach undergraduate and graduate biostatistics courses both in person and online
- Teach core biostatistics courses in the Master of Public Health (MPH) graduate program
- Hold office hours and review sessions online via Zoom
- Teach SAS, R, and SPSS statistical programming
- Develop homework, projects, and exams utilizing R, SAS, and SPSS
- Grade student work

Courses taught as instructor of record:

BST 3000 Introduction to Statistical Computing: Spring 2020 (1), Spring 2021 (1)
 BST 5100 Introduction to General Linear Modeling: Spring 2021 (1)
 BST 5030 Statistical Programming and Study Planning: SAS: Spring 2022 (1)
 PUBH 5040 Generating Evidence from Public Health Data: Fall 2021 (1), Spring 2022 (1)

Teaching Assistant:

BST 3100: Applied Biostatistics I, Fall 2021 (1)

Lecturer

Department of Mathematics and Statistics
Southern Illinois University Edwardsville

August 2014-May 2022
Edwardsville, IL

- Teach mathematics, quantitative reasoning, and statistics courses and hold office hours
- Supervise graduate student teaching assistants when teaching MATH 120E: Enhanced College Algebra and STAT 380: Statistics for Applications
- Teach traditional face to face courses and online/blended format courses
- Developed a set of extensive guided notes for MATH 120e: Enhanced College Algebra to enhance student learning

Courses taught as instructor of record:

QR 101: Quantitative Reasoning (in-person and online)

MATH 120: College Algebra

MATH 120e: Enhanced College Algebra

MATH 125: Pre-calculus Mathematics with Trigonometry

STAT 107: Concepts of Statistics (in-person and online)

STAT 244: Statistics

STAT 380: Statistics for Applications

Private Mathematics and Statistics Tutor

Department of Mathematics and Statistics
Saint Louis University

August 2021-May 2022
St. Louis, MO

- Tutor Advanced Placement (AP) Calculus students

Adjunct Instructor

Department of Adult Education
Lewis and Clark Community College

May 2021-August 2021
Godfrey, IL

- Teach mathematics review sessions for GED preparation

Adjunct Statistics Instructor/Statistics Tutor

Department of Mathematics and Statistics
Saint Louis University

July 2018-May 2021
St. Louis, MO

- Teach mathematics and statistics courses in person and online and hold office hours
- Teach R statistical programming
- Tutor statistics for the department

Courses taught as instructor of record:

STAT 1100 Introduction to Statistics: Spring 2019 (2), Fall 2020 (1), Spring 2021 (2)

MATH/STAT 1300 Elementary Statistics w/Computers: Fall 2018 (1), Spring 2020 (2), Fall 2020 (1)

Adjunct Mathematics Instructor

Department of Mathematics
Southwestern Illinois College (SWIC)

April 2015-December 2018
Belleville, IL

- Teach mathematics and statistics courses and hold office hours
 - Teach full-semester courses and shortened, intensive summer courses
- Courses taught as instructor of record:

MATH 094: Basic Algebra

MATH 107: General Education Statistics

MATH 112: College Algebra

MATH 114: Trigonometry

MATH 191/BUS 205: Introduction to Statistics/Business and Economic Statistics

MATH 203: Analytic Geometry & Calculus I

Adjunct Mathematics Instructor

Department of Mathematics and Computer Science

January 2014-May 2016

University of Missouri at St. Louis

St. Louis, MO

- Teach mathematics and statistics courses and hold office hours
 - Teach full-semester courses and shortened, intensive summer courses
- Courses taught as instructor of record:

MATH 005: Intermediate Algebra

MATH 1020: Contemporary Mathematics

MATH 1035: Trigonometry

MATH 1105: Basic Probability and Statistics

MATH 1320: Applied Statistics I

Graduate Assistant

School of Business Dean's Office

April 2011-May 2013

Southern Illinois University Edwardsville

Edwardsville, IL

- Collected, organized, and analyzed undergraduate and graduate student assessment data and utilized this data to create tables for reports for deans and department chairs of the School of Business
- Tracked and analyzed internship evaluation data for School of Business students and used this data to create tables for the School of Business reports
- Assisted with planning the School of Business Hooding Ceremony for graduate students

Teaching Assistant

Department of Mathematics and Statistics

January 2011-May 2011

Southern Illinois University at Edwardsville

Edwardsville, IL

- Taught the lab for three sections of Calculus I
- Provided one-on-one tutoring in the Mathematics and Statistics Tutoring Lab

Graduate Assistant

Department of Economics and Finance

May 2010-August 2010

Southern Illinois University at Edwardsville

Edwardsville, IL

- Graduate assistant for Management Science 250: Mathematical Methods for Business Analysis course

International Trade Assistant

Illinois SBDC International Trade Center at SIUE January 2009- May 2010
 Edwardsville, IL

- Southern Illinois University at Edwardsville
- Provided export assistance and international market analysis to small and medium sized firms in Southern Illinois
- Performed extensive market research and completed individualized research projects for clients
- Utilized international databases to provide export statistics to clients and developed potential contacts for clients

Graduate Assistant

Department of Economics and Finance October 2009- May 2010
 Southern Illinois University at Edwardsville Edwardsville, IL

- Graduate assistant for Principles of Macroeconomics course
- Assisted professor with editing and reviewing a textbook

Adjunct Instructor

Department of Business Administration January 2010-May 2010
 Sanford-Brown College Collinsville, IL

- Taught principles of economics and finance courses
- Prepared lectures, homework, and exams

Courses taught as instructor of record:
 Principles of Economics
 Introduction to Finance
 Introduction to Economics

Graduate Assistant

Department of Economics and Finance January 2009- May 2009
 Southern Illinois University at Edwardsville Edwardsville, IL

- Graduate assistant for Management Science 250: Mathematical Methods for Business Analysis courses

Actuarial Consulting Intern

Human Capital Services June 2008- August 2008
 Towers Perrin St. Louis, MO

- Worked collaboratively on client teams solving retirement related problems
- Completed a research project on minimizing bonus calculation fluctuations for supplemental executive plans
- Utilized statistical software and performed pension actuarial valuations

Strategic Resources Intern

State Farm Insurance Research Center January 2008-May 2008
 Champaign, IL

- Assisted with State Farm’s evaluation of the nationwide Dangerous Intersections Initiative completed in 2003
- Compiled information, made recommendations, and presented findings to State Farm management
- Edited and reviewed data in State Farm’s internal databases

Sales Associate

November 2006-December 2008

Macy’s Midwest

Alton, IL

- Opened and closed registers
- Provided excellent customer service
- Worked in all departments as a flyer
- Worked during summers and school breaks during undergraduate studies

Student Worker

Department of Internal Medicine

November 2006-May 2007

College of Medicine, University of Illinois at Urbana-Champaign

Urbana, IL

- Provided clerical support to the Department of Internal Medicine
- Proctored exams for the medical school

HONORS: 2010 Economics Alumni Graduate Student Award, 2005-2006 Charles T. Richards Scholarship, University of Illinois Dean’s List, Omicron Delta Epsilon, Graduate Assistantship at SIUE (Spring 2009-Spring 2013), Graduate Teaching Assistantship at Saint Louis University (Spring 2020, Fall 2021, Spring 2022)

PUBLICATIONS

Ayres, K., Belasen, A., and Kutan, A. “Does Inflation Targeting Lower Inflation and Spur Growth?” *Journal of Policy Modeling*. 36(2):373-388.

SELECT RESEARCH PROJECTS

- May 2021-Present: Weekly research presentations made to the Miami University and Saint Louis University Research Collaborative
 - “Estimating the Reproduction Number for COVID-19: A Hidden Markov Model”, doctoral dissertation, work-in progress
 - “Air Pollution and Brain Cancer in Illinois”, project for BST 6200: Spatial Statistics and Disease Mapping
 - “Healthcare Utilization and the Use of Electronic Health Information”, presentation made to Journal Club, Saint Louis University College of Public Health, Spring 2019
 - “Correlates of Psychological Distress Among Undergraduate Students at Saint Louis University”, course project for PHS 6040: Applied Research I: Primary Data Collection, Saint Louis University, Spring 2019
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ACCREDITATION

GStat Graduate Statistician Accreditation, American Statistical Association, May 2014-present

PROFESSIONAL MEMBERSHIPS

Member, American Mathematical Society, January 2011-present

Member, American Statistical Association, June 2013-present

PROFESSIONAL DEVELOPMENT

- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Rubric Construction, It's a Process, June 2021
- Certificate in University Teaching, Saint Louis University, attend various workshops/complete online courses, Program Completed and certificate awarded on November 20, 2020.
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Building Rapport with Students, Fall 2020
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Engaging Academically Diverse Students, Fall 2020
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Privilege in the Classroom, Fall 2020
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Designing, Implementing and Assessing Technology-Based Assignments, Fall 2020
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Introduction to Ignatian Pedagogy, Fall 2020
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Against Correction: Giving Effective Feedback, Fall 2020
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Lessons from Cognitive Science for the Classroom, Fall 2020
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Fall CUTS Book Discussion: Small Teaching: Everyday Lessons from the Science of Learning, Fall 2020
- Attended Focus on Teaching and Technology Conference at University of Missouri St. Louis, Fall 2020,
 - Promoting Active Learning in the Higher Ed Zoom Classroom
 - Collaborative Project-Based Learning in an Online Course
 - Engaging Communities to Keep an Engaged Community
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Concept Maps, Spring 2020
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Exploring Digital Tools for Teaching, Spring 2020

- Reinert Center for Transformative Teaching and Learning, Saint Louis University, How to Implement Backward Design for Your Course Topics and Activities, Spring 2020
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Introduction to Online Teaching, 2-week online course (accelerated), December 2019-January 2020
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Teaching Philosophy (2 week course), Summer 2019
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Course Design (2 week course), Summer 2019
- Reinert Center for Transformative Teaching and Learning, Saint Louis University, Learning Technology (2 week course), Summer 2019
- The Science of How Learning Works, University of Missouri St. Louis Online Course, Summer 2019
- Completed Certificate in University Teaching courses at University of Missouri St. Louis: “Getting Ready to Teach Online”
- Completed “Introduction to Blackboard” training at Lewis and Clark Community College

VOLUNTEER ACTIVITIES

- Panel Judge for Grant Writing course at Southern Illinois University Edwardsville, Spring 2021, Fall 2021, Spring 2022
- Vice President, Collinsville Lions Club Noon, Collinsville, IL, July 2019- July 2020
- Eyeglass Liaison, Collinsville Lions Club Noon, Collinsville, IL, March 2019-present
- Test Proctor, ICTM High School Math Contests regional competition, February 2019
- Member, Collinsville Lions Club Noon, Collinsville, IL, November 2018-present
- Test Proctor, ICTM High School Math Contests regional competition, February 2016
- Volunteer, Girls Empowered by Mathematics and Science (GEMS) Conference, Lewis and Clark Community College, March 2014

SPECIAL SKILLS:

General Computer Systems and Languages: JAVA, Microsoft Office Systems, SQL, Visual Basic

Mathematical Software: Arena, LaTeX, Mathematica, Matlab, Scientific Workplace, C++

Statistical Software: EViews, JMP, Minitab, Nimble, R, RStudio, SAS, SPSS, Stan, STATA

COURSES TAUGHT FROM FALL 2013-SUMMER 2022

FALL 2013 (1 class taught)

MATH 129: Business Mathematics, Lewis and Clark Community College, 1 section

SPRING 2014 (5 classes taught)

MATH 11A: Prealgebra I, Lewis and Clark Community College, 1 section

MATH 11B: Prealgebra II, Lewis and Clark Community College, 1 section

MATH 235: Statistics, Lewis and Clark Community College, 1 section

MATH 1035: Trigonometry, University of Missouri St. Louis, 1 section

MATH 1020: Contemporary Mathematics, University of Missouri St. Louis, 1 section

SUMMER 2014 (2 classes taught)

MATH 131: College Algebra, Lewis and Clark Community College, 1 section

MATH 1105: Basic Probability and Statistics, University of Missouri St. Louis, 1 section

FALL 2014 (3 classes taught)

MATH 0005: Intermediate Algebra, University of Missouri St. Louis, 1 section

MATH 1020: Contemporary Mathematics, University of Missouri St. Louis, 1 section

MATH 120: College Algebra, Southern Illinois University Edwardsville, 1 section

SPRING 2015 (6 classes taught)

MATH 1020: Contemporary Mathematics, University of Missouri St. Louis, 1 section

MATH 1105: Basic Probability and Statistics, University of Missouri St. Louis, 1 section

QR 101: Quantitative Reasoning, Southern Illinois University Edwardsville, 2 section

STAT 107: Concepts of Statistics, Southern Illinois University Edwardsville, 2 sections

SUMMER 2015 (3 classes taught)

MATH 131: College Algebra, Lewis and Clark Community College, 1 section

MATH 1105: Basic Probability and Statistics, University of Missouri St. Louis, 1 section

MATH 1320: Applied Statistics I, University of Missouri St. Louis, 1 section

FALL 2015 (7 classes taught)

MATH 116: Intermediate Algebra, Lewis and Clark Community College, 1 section

ECON 112: Principles of Microeconomics, Southern Illinois University Edwardsville, 1 section

MATH 125: Precalculus Mathematics with Trigonometry, Southern Illinois University Edwardsville, 2 sections

STAT 380: Statistics for Applications, Southern Illinois University Edwardsville, 1 section

MATH 112: College Algebra, Southwestern Illinois College, 2 sections

SPRING 2016 (9 classes taught)

MATH 1020: Contemporary Mathematics, University of Missouri St. Louis, 2 sections
 MATH 145: General Education Statistics, Lewis and Clark Community College, 1 section
 MATH 131: College Algebra, Lewis and Clark Community College, 1 section
 MATH 235: Statistics, Lewis and Clark Community College, 1 section
 MATH 191/BUS 205: Introduction to Statistics/Economic & Business Statistics, Southwestern Illinois College, 2 sections
 MS 250: Mathematical Methods for Business Analysis, Southern Illinois University Edwardsville, 1 section
 QR 101: Quantitative Reasoning, Southern Illinois University Edwardsville, 1 section

SUMMER 2016 (4 classes taught)

MATH 107: General Education Statistics, Southwestern Illinois College, 1 section
 MATH 191/BUS 205: Introduction to Statistics/Economic & Business Statistics, Southwestern Illinois College, 1 section
 MS 250: Mathematical Methods for Business Analysis, Southern Illinois University Edwardsville, 1 section
 MATH 131: College Algebra, Lewis and Clark Community College, 1 section

FALL 2016 (8 classes taught)

MATH 094: Basic Algebra, Southwestern Illinois College, 2 sections
 MS 251: Statistical Analysis for Business Decisions, Southern Illinois University Edwardsville, 1 section
 STAT 107: Concepts of Statistics, Southern Illinois University Edwardsville, 2 sections
 STAT 380: Statistics for Applications, Southern Illinois University Edwardsville, 1 section
 MATH 235: Statistics, Lewis and Clark Community College, 1 section
 MATH 131: College Algebra, Lewis and Clark Community College, 1 section

SPRING 2017 (7 classes taught)

MATH 094: Basic Algebra, Southwestern Illinois College, 1 section
 MATH 114: Trigonometry, Southwestern Illinois College, 1 section
 MS 250: Mathematical Methods for Business Analysis, 1 section
 MATH 120: College Algebra, Southern Illinois University Edwardsville, 2 sections
 STAT 380: Statistics for Applications, Southern Illinois University Edwardsville, 1 section
 MATH 165: Calculus for Business and Social Science, Lewis and Clark Community College, 1 section

SUMMER 2017 (3 classes taught)

MATH 137: Elementary Mathematical Modeling, Lewis and Clark Community College, 1 section
 MATH 191/BUS 205: Introduction to Statistics/Economic & Business Statistics, Southwestern Illinois College, 1 section

MS 250: Mathematical Methods for Business Analysis, Southern Illinois University
Edwardsville, 1 section

FALL 2017 (8 classes taught)

MATH 094: Basic Algebra, Southwestern Illinois College, 1 section

MATH 114: Trigonometry, Southwestern Illinois College, 1 section

MATH 191/BUS 205: Introduction to Statistics/Economic and Business Statistics, Southwestern
Illinois College, 1 section

MATH 145: General Education Statistics, Lewis and Clark Community College, 1 section

STSK 132: Study Skills, Lewis and Clark Community College, 1 section

STAT 107: Concepts of Statistics, Southern Illinois University Edwardsville, 3 sections

SPRING 2018 (8 classes taught)

MATH 045: Statistics Support, Lewis and Clark Community College, 1 section

MATH 145: General Education Statistics, Lewis and Clark Community College, 1 section

MATH 116: Intermediate Algebra, Lewis and Clark Community College, 1 section

MATH 114: Trigonometry, Southwestern Illinois College, 1 section

MATH 120: Enhanced College Algebra, Southern Illinois University
Edwardsville, 2 sections

STAT 107: Concepts of Statistics, Southern Illinois University
Edwardsville, 2 sections

SUMMER 2018 (3 classes taught)

MATH 045: Statistics Support, Lewis and Clark Community College, 1 section

MATH 145: General Education Statistics, Lewis and Clark Community
College, 1 section

MATH 203: Analytic Geometry & Calculus I, Southwestern
Illinois College, 1 section

FALL 2018 (8 classes taught)

MATH 114: Trigonometry, Southwestern Illinois College, 1 section

MATH 191/BUS 205: Introduction to Statistics/Business & Economic Statistics, Southwestern
Illinois College, 1 section

MATH 120E: Enhanced College Algebra, Southern Illinois University Edwardsville, 3 sections

MATH 145: General Education Statistics, Lewis and Clark Community College, 1 section

MATH 045: Statistics Support, Lewis and Clark Community College, 1 section

MATH 1300/STAT 1300: Elementary Statistics w/Computers, Saint Louis University, 1 section

SPRING 2019 (7 classes taught)

MS 251: Statistical Analysis for Business Decisions, Southern Illinois University Edwardsville,
1 section

QR 101: Quantitative Reasoning, Southern Illinois University Edwardsville,
2 online sections

STAT 1100: Introduction to Statistics, Saint Louis University, 2 sections

MBA 521: Quantitative Analysis, Southern Illinois University Edwardsville, 1 section
(Facilitator)

ECON 528: Managerial Economics, Southern Illinois University Edwardsville, 1 section
(Facilitator)

SUMMER 2019 (3 classes taught)

MATH 031: College Algebra Support, Lewis and Clark Community College, 1 section

MATH 131: College Algebra, Lewis and Clark Community College, 1 section

MS 250: Mathematical Methods for Business Analysis, Southern Illinois University
Edwardsville, 1 section

FALL 2019 (7 classes taught)

MATH 120E: Enhanced College Algebra, Southern Illinois University Edwardsville, 1 section

STAT 380: Statistics for Applications, Southern Illinois University Edwardsville, 1 section

MS 251: Statistical Analysis for Business Decisions, Southern Illinois University Edwardsville,
1 section

MATH 045: Statistics Support, Lewis and Clark Community College, 1 section

MATH 145: General Education Statistics, Lewis and Clark Community College, 1 section

MBA 521: Quantitative Analysis, Southern Illinois University Edwardsville, 1 section
(Facilitator)

ECON 528: Managerial Economics, Southern Illinois University Edwardsville, 1 section
(Facilitator)

SPRING 2020 (8 classes taught)

MBA 521: Quantitative Analysis, Southern Illinois University Edwardsville, 1 section
(Facilitator)

ECON 528: Managerial Economics, Southern Illinois University Edwardsville, 1 section
(Facilitator)

STAT 380: Statistical for Applications, Southern Illinois University Edwardsville, 1 section

STAT 244: Statistics, Southern Illinois University Edwardsville, 1 section

MS 251: Statistical Analysis for Business Decisions, Southern Illinois University Edwardsville,
1 section

MATH/STAT 1300: Elementary Statistics w/ Computers, 2 sections, Saint Louis University

BST 3000: Introduction to Statistical Computing, 1 section, Saint Louis University

SUMMER 2020 (1 class)

MBA 521: Quantitative Analysis, Southern Illinois University Edwardsville, 1 section
(Facilitator)

FALL 2020 (9 classes taught)

MBA 521: Quantitative Analysis, Southern Illinois University Edwardsville, 1 section
(Facilitator)

ECON 528: Managerial Economics, Southern Illinois University Edwardsville, 1 section
(Facilitator)

MS 251: Statistical Analysis for Business Decisions, Southern Illinois University Edwardsville, 1 section

STAT 107: Concepts of Statistics, Southern Illinois University Edwardsville, 3 sections

STAT 380: Statistical for Applications, Southern Illinois University Edwardsville, 1 section

MATH/STAT 1300: Elementary Statistics w/ Computers, 1 section, Saint Louis University

STAT 1100: Introduction to Statistics, Saint Louis University, 1 section

SPRING 2021 (8 classes taught)

STAT 107: Concepts of Statistics, Southern Illinois University Edwardsville, 1 section

STAT 1100: Introduction to Statistics, Saint Louis University, 2 sections

QR 101: Quantitative Reasoning, Southern Illinois University Edwardsville, 1 section

BST 3000: Introduction to Statistical Computing, 1 section, Saint Louis University

BST 5100: Introduction to General Linear Modeling, 1 section, Saint Louis University

MS 251: Statistical Analysis for Business Decisions, 1 section, Southern Illinois University Edwardsville

ECON 528: Managerial Economics, 1 section, Southern Illinois University (Facilitator)

SUMMER 2021 (4 classes taught)

MBA 521: Quantitative Analysis, Southern Illinois University Edwardsville, 1 section (Facilitator)

MATH 165: Calculus for Business and Social Science, Lewis and Clark Community College, 1 section

Math GED Review Sessions, Lewis and Clark Community College, 10 review sessions (Summer A and Summer B)

FALL 2021 (5 classes taught)

PUBH 5040: Generating Evidence from Public Health Data, Saint Louis University, 1 section

STAT 380: Statistics for Applications, Southern Illinois University Edwardsville, 2 sections

MBA 521: Quantitative Analysis, Southern Illinois University Edwardsville, 1 section (Facilitator)
Teaching Assistant:

BST 3100: Applied Biostatistics I, Saint Louis University, 1 section

SPRING 2022 (5 classes taught)

PUBH 5040: Generating Evidence from Public Health Data, Saint Louis University, 1 section

BST 5030: Statistical Programming and Study Planning: SAS, Saint Louis University, 1 section

STAT 244: Statistics, Southern Illinois University, 2 sections

MBA 521: Quantitative Analysis, Southern Illinois University Edwardsville, 1 section (Facilitator)

SUMMER 2022

MATH 165: Calculus for Business and Social Science, Lewis and Clark Community College, 1 section

MBA 521: Quantitative Analysis, Southern Illinois University Edwardsville, 1 section (Facilitator)

ECON 528: Managerial Economics, Southern Illinois University, Edwardsville, 1 section (Facilitator)

GRADUATE COURSES COMPLETED (As of 08/02/2022)

BST 5200: Survival Data Analysis
BST 5220: Multilevel and Longitudinal Data Analysis
BST 5400: Applied Data Management
BST 5420: Sampling Theory and Survey Design in Public Health
BST 5930: Data Visualization
BST 6200: Spatial Statistics and Disease Mapping
ECON 417: Business Forecasting
ECON 450: International Finance
ECON 501: Advanced Microeconomic Theory
ECON 502: Advanced Macroeconomic Theory
ECON 543: Monetary and Fiscal Policy
ECON 581: Applied Quantitative Economics w SAS
FIN 440: Financial Institutions
FIN 515: Empirical Research Methods in Economics and Finance
FIN 517: Time Series Analysis
FIN 528: Security Analysis & Modeling
GIS 5010: Introduction to Geographic Information Systems
HMP 5200: Health Economics
MATH 4160: Complex Analysis I
MATH 423: Combinatorics/Graph Theory
MATH 4260: Introduction to Stochastic Processes
MATH 4450: Linear Algebra
MATH 495G: Independent Study: Numerical Analysis
MATH 5500: Directed Readings (Bayesian Data Analysis)
MATH 5500: Directed Readings (Bayesian Statistics)
MATH 5500: Directed Readings (Statistical Learning with R)
MATH 5500: Directed Readings (Topics in Probability)
MATH 5500: Directed Readings (Topics in Statistical Dependence)
MATH 5500: Directed Readings (Topics in Statistical Learning)
MATH 563: Optimal Control Theory
OR 440: Oper Res Deterministic Models
OR 585: Simulation Theory
OR 586: Simulation Theory
ORES 5320: Scientific Writing & Communication
PAPA 550: Public Policy: Context, Analysis
PBHE 455: Introduction to Epidemiology
PHS 6010: Design and Analysis in Public Health
PHS 6040: Applied Research I: Primary Data Collection
PHS 6050: Science, Theory, and Public Health
PHS 6060: Applied Research II

PHS 6900: Professional Development
PHS 6990: Dissertation
PUBH 5030: Methodological Approaches to Population Health
STAT 478: Time Series Analysis
STAT 480A: Introduction to Mathematical Statistics
STAT 480B: Introduction to Mathematical Statistics
STAT 481: Design and Analysis of Experiments
STAT 482: Regression Analysis
STAT 575: Statistical Computing
STAT 579: Discrete Multivariate Analysis
STAT 581: Advanced Experimental Design
STAT 582: Linear Models
STAT 595: Special Project