

Maureen O’Gorman Petkewich

Department of Statistics
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Education History

2016	Doctor of Philosophy, Educational Psychology and Research University of South Carolina Dissertation: The Impact of the Choice of the Item Response Theory Model used in the Analysis of Student Response data from Statewide Educational Assessments Co-Chairs: Dr. Brian Habing, Department of Statistics and Dr. Christine Distefano, College of Education
2003	Master of Science, Statistics University of South Carolina
1994	Bachelor of Science, Mathematics University of Notre Dame, 1994

Employment

2017-present	Clinical Assistant Professor, Department of Statistics, University of South Carolina
2011-2017	Senior Instructor, Department of Statistics, University of South Carolina
2005-2011	Instructor, Department of Statistics, University of South Carolina
2003-2005	Statistician, Palmetto GBA, Columbia SC
2002-2003	Graduate Research Assistant, Department of Statistics, University of South Carolina
2001-2002	Graduate Student Instructor, Department of Statistics, University of South Carolina
1994-2000	Mathematics Teacher, District Five of Lexington and Richland Counties, Columbia, SC

Teaching Experience at the University of South Carolina

STAT 110	Introduction to Statistical Reasoning
STAT 112	Statistics and the Media
STAT 201	Elementary Statistics
STAT 201	Elementary Statistics, specialized section for Preston Residential College
STAT J201	Elementary Statistics, Distributed Education Delivery
STAT 515	Statistical Methods I, SC Honors College section
STAT 600	Statistics for Applied Management, Distributed Education Delivery

Course Creation and Development in the Department of Statistics, University of South Carolina

STAT 201	Redesigned STAT 201 for the Carolina Core, Analytical Reasoning and Problem Solving component
STAT 201	Redesigned STAT 201 for Distributed Education Delivery
STAT 112	Created Statistics and the Media, a Carolina Core overlay course for Analytical Reasoning and Problem Solving (ARP) and Information Literacy (INF)
STAT 112	Redesigned STAT 112 for Distributed Education Delivery

Service to the Department of Statistics, University of South Carolina

2013-present Department Assistant Chair
2005-2016 STAT 201 Coordinator, supervising 20 graduate teaching assistants per semester
2005-present Teaching Review Committee
2008-2014 Director, Statistics Tutoring Center

Service to the University of South Carolina

2014-present Faculty Fellow, Center for Teaching Excellence, Coordinators of Large Undergraduate Courses
2016-present Preston Residential College Associate and Advisory Committee member
2017 Pedagogy Grant Review Committee
2016-2017 College of Arts and Sciences Committee for faculty not on the tenure track
2013-2016 Carolina Core Specialty and Assessment team for Information Literacy
2010 Judge, USC Region II Science and Engineering Fair
2008-2009 Carolina Master Scholars Program

Teaching Awards, Honors and Grants

College of Arts and Sciences Undergraduate Teaching Award for non-tenure track faculty, 2017
Two Thumbs Up Faculty Award, Student Disability Services, 2008, 2010, 2014
USC Guest Coach, Student Athlete Academic Services, 2009 and 2010, 2012, 2013, 2014, 2017
College of Arts and Sciences Instructor Professional Development Award 2012

Conference Presentations

Petkewich, Maureen and Habing, Brian (2017, May). *Show me the Simulation (from scratch!): A Project to compare different methods for Calculating the Confidence Interval for a Population Proportion*. Poster session presentation at The United States Conference on Teaching Statistics, State College, PA.

Petkewich, Maureen (2017, March). *The Impact of Technology on the Training, Mentoring, and Utilization of Graduate Student Instructors*, International Conference on Technology in Collegiate Mathematics, Chicago, IL.

Hardee, M., Friend, C., Petkewich, M. (2015, July) *Using the Community of Practice Model to Encourage Experience- and Resource-Sharing Among Coordinators of Large Undergraduate Courses*. Poster session presentation the Conference on Teaching Large Courses, Virginia Tech, Blacksburg, VA.

Petkewich, Maureen (2015, May). *Making Connections between Lab, Lecture and Real Statistical Studies*. Poster session presentation at The United States Conference on Teaching Statistics, State College, PA.

Petkewich, Maureen (2015, March). *Designing Elementary Statistics as a Distributed Learning Course with a Laboratory Component*. International Conference on Technology in Collegiate Mathematics, Las Vegas, NV.

Petkewich, Maureen, March 2014. *Using StatCrunch to bring Textbok Examples to Life*. International Conference on Technology in Collegiate Mathematics, San Antonio, TX.

Petkewich, Maureen, July 2009. *Using StatCrunch to Enhance your Statistics Course*. International Conference on Technology in Collegiate Mathematics Summer Camp, WebEx.

Petkewich, Maureen, May 2009. *Using StatCrunch to Enhance your Statistics Course*. 3rd Annual Ohio Math Technology Conference, Newark, OH.

Petkewich, Maureen, November 2008. *Making the Grade – Measuring Student Success*. Pearson Education Online series, WebEx

Petkewich, Maureen, April 2003. *Multiple Comparisons for Additional Risk with Non-Quantal Data*. Student paper presentation at the 33rd Annual SCASA Meeting, April 2003.

Publications

Petkewich, Maureen and Edwards, Don (2013). *Statistics: Play-By-Play, Laboratory Experiments for Elementary Statistics*, 1st Edition, Kendall Hunt.

Petkewich, Maureen, Flanagan-Hyde, Peter, Morse, Jack, Priestly, Jennifer Lewis, Kowalski, Michael, and Hydorn, Debra (2009). *Technology Manual for Statistics: The Art and Science of Learning from Data*, 2nd Edition, Prentice Hall.

Wu, Y., Piegorsch, W.W., West, R.W., Tang, D., Petkewich, M.O. and Pan, W. (2006)
“Multiplicity-adjusted inferences in risk assessment: Benchmark analysis with continuous response data,” *Environmental and Ecological Statistics* 13:125-141.

Conferences Attended

USCOTS (United States Conference on Teaching Statistics), State College, PA, May 2017
International Conference on Technology in Collegiate Mathematics, Chicago, IL, March 2017
International Conference on Technology in Collegiate Mathematics, Atlanta, GA, March 2016
USCOTS (United States Conference on Teaching Statistics), State College, PA, May 2015
International Conference on Technology in Collegiate Mathematics, Las Vegas, NV, March 2015
South Carolina Educators for the Practical Use of Research, Columbia, SC, February 2015
International Conference on Technology in Collegiate Mathematics, San Antonio, TX, March 2014
USCOTS (United States Conference on Teaching Statistics), Raleigh, NC, May 2013
MyStatLab Development Summit, Pearson Education, Boston, MA, January 2013
USCOTS (United States Conference on Teaching Statistics), Raleigh, NC, May 2011
Cengage Technology Conference, Chicago, IL, March 2011
3rd Annual Ohio Math Technology Conference, Newark, OH, May 2009
International Conference on Technology in Collegiate Mathematics, New Orleans, LA, March 2009
USCOTS (United States Conference on Teaching Statistics), Columbus, OH, May 2007

Professional Associations, Memberships and Certifications

1994-present	South Carolina Teaching Certificate, Secondary Mathematics
2008-2012	Reader, AP Statistics, College Board
2014-present	Member, American Statistical Association
2011-present	Member, Golden Key International Honor Society
2002-2003	Member, Mu Sigma Rho, Statistics Honor Society