

Megan Mocko

Professional Experience

- Lecturer, ISOM, University of Florida, Gainesville, Florida, Fall 2018 to present
- Master Lecturer, Dep. of Statistics, University of Florida, Gainesville, Florida, Fall 2013 to Summer 2018
- Senior Lecturer, Dep. of Statistics, University of Florida, Gainesville, Florida, 2007 to Fall 2013
- Lecturer, Dep. of Statistics, University of Florida, Gainesville, Florida, 2001-2007

Awards

- Received College Teaching Award 2009-2010
- Received College Teaching Award 2006-2007
- Nominated for National Waller Award 2009, 2010, 2011
- Nominated for College Teaching Award 2003-2004, 2014-2015

NSF Grant Experience

- External Evaluator for NSF EAGER “Researching the HyFlex+ Instructional Model of Blended Learning.” Fall 2015 – Winter 2017
- NSF advisory board member for NSF-Real “Social Presence Online” grant. Fall 2014 – Fall 2017 (NSF: 13-604)
- Mentor and Local Support in Florida for TANGO NSF grant Fall 2016-Spring 2017 (NSF DUE Award #1432251)

Other Grant Experience

- Co-PI, AMATYC grant with Dr. Katina Gothard at Eastern Florida State. The grant is to provide supplies for community college instructors to use hands on activities.

Teaching Experience

- Taught Business Statistics, Statistics for Social Science, Introduction to Statistics 1, Engineering Statistics to classes of various sizes (from 24 to 2370 students)
- Participating in a University wide pilot of LoudSight, a learning analytics tool (Spring 2018) as well as Canvas Analytics Pilot (Summer 2018)
- Created several class websites and managed course management system (Canvas, Sakai, WebCT Vista, WebCT Campus)
- Developed a completely distance learning course for introductory statistics course using SoftChalk lessons and videos
- Recorded lectures on streaming video using MediaSite and Camtasia as well as solo-running the recordings in the “Lightboard” studio with Blackmagic ATEM software with occasional lite editing using Adobe Premiere
- Coordinated and interviewed UF faculty who use statistics in their research for short virtual field trips and then developed statistical activities to be completed based upon those interviews
- Moderator for webinars in Big Blue Button, Elluminate, GoToMeeting and Adobe Connect

- Developed and taught a course in Introduction to Statistics for a class of 25 students with learning disabilities
- Used and tested multiple handheld remote systems to assess students comprehension during lecture
- Trained teaching assistants in how to facilitate “hands on” learning
- Developed quizzes, assignments and discussions to enhance online student’s learning and developed labs that allowed students to practice “doing statistics” for on campus and off campus students
- Created a “Statistics is Fun” presentation for minority students

AP Reader

- Graded the AP Statistics Exam (2008, 2009, 2010, 2012, 2013)
- Faculty Colloquium Attendee for the AP exam (2013)

Peer Reviewer of Open Source Education Materials

- Completed Peer Reviewer Course for MERLOT (Multimedia Educational Resource for Learning and Online Teaching) (Fall 2012)

Webinars

- “Teaching with GAISE: Statistical Literacy for the 21st Century” May 22, 2017 4:30 – 5:30pm given by Robert Carver, Monica Dabos, Joseph Gerda, Kathy Kubo, Megan Mocko, Rebecca Wong and Beverly Wood <https://www.youtube.com/watch?v=ssZSyrzMXxc>
- “Does your New Year’s Resolution include Implementing the New GAISE 2016 College Report in Your Classroom?” Tuesday, December 6, 2016, 4– 5pm given by Robert Carver, Megan Mocko, and Beverly Wood http://magazine.amstat.org/videos/education_webinars/GAISE2016.wmv
- “GAISEing into the NEW Guidelines” , eCOTS 2016 program, Monday, May 16th 2016, 12:15 – 12:45pm given by Robert Carver, Megan Mocko, Jeff Witmer and Beverly Wood <https://www.causeweb.org/cause/ecots/ecots16/breakouts/2>
- “Reporting Back to the Community about GAISE 2015” given on March 8th and March 14th by Robert Carver, Megan Mocko, Jeff Witmer, and Beverly Wood http://magazine.amstat.org/videos/education_webinars/GAISECollegeWebinar3-14-16.wmv
- “Updating the Guidelines for Assessment and Instruction in Statistics Education (GAISE)” CAUSE Teaching and Learning Webinar Series; given on July 9th 2015 <https://www.causeweb.org/webinar/teaching/2015-07/index.php> by Michelle Everson and Megan Mocko
- “Assessing the Effectiveness of Mnemonics in Introductory Statistics for Students with Learning Disabilities: Results from a Pilot Study” USCOTS13 recorded poster session for CAUSE (Consortium for the Advancement of Undergraduate Statistics Education) Webinar: given on September, 12, 2013 by Megan Mocko and Melissa Crow
- "A Two Semester Study: The Effects of an Audience Response System (ARS) on Achievement and Attitudes Towards Statistics in an Introductory Statistics Class", eCots12 recorded poster session, with Megan Mocko, University of Florida; Brad Hartlaub, Kenyon College; and Tim Jacobbe, University of Florida <https://www.causeweb.org/ecots/ecots12/posters/4/>

- CAUSE (Consortium for the Advancement of Undergraduate Statistics Education) Webinar: “Lessons Learned from Teaching Introduction to Statistics Course to Learning Disability Classes” given on April 10th, 2012 <https://www.causeweb.org/webinar/teaching/2012-04/>
- ASA (American Statistical Association) Webinar: “What you need to Know about the ASA Project Competition” given on October 28th, 2008. <http://www.amstat.org/education/posterprojects/ASAProjectCompetitionWebinar.wmv>

Publications

- Wood, B, Mocko, M., Everson, M., Horton, N., and Velleman, P. (2017) “Updated Guidelines, Updated Curriculum: The GAISE College Report and Introductory Statistics for the Modern Student” Chance <https://arxiv.org/abs/1705.09530> . <http://chance.amstat.org/2018/04/updated-guidelines-curriculum/> (peer reviewed)
- Mocko, M., Lesser, L, Wagler, A. and Francis, W. (2017), “Assessing Effectiveness of Mnemonics for Tertiary Students in a Hybrid Introductory Statistics Course” Journal of Statistics Education, 25(1), 1-10. (<http://dx.doi.org/10.1080/10691898.2017.1294879>) (peer reviewed)
- Mocko, M., Ripol, M., *Lab Workbook for Statistics: The Art and Science of Learning From Data*, Pearson, U.S.A., 2017, 160 pages, 4th edition.
- Mocko, M. (2016) Chapter 27: Selecting Technology to Promote Learning in an Online Introductory Statistics Course. In Ben-Zvi, D. and Makar, K.(eds), *The Teaching and Learning of Statistics, International Perspectives* (pp. 215-226); New York: Springer International Publishing.
- Mocko, M. and Werner, M. “What’s New with CAUSEweb and MERLOT?” Journal of Statistics Education, Vol 22, Number 3 (2014). <http://www.amstat.org/publications/jse/v22n3/mockotb.pdf>
- Mocko, M. and Crow, M. International Conference on Teaching Statistics 9 Proceedings “Exploration of Problem Solving Processes of Students with Learning Disabilities” at the International Conference on Teaching Statistics (ICOTS) in Flagstaff, Arizona in July 2014. (http://icots.net/9/proceedings/pdfs/ICOTS9_C129 MOCKO.pdf)
- Mocko, M. and Werner, M. “What’s New with CAUSEweb and MERLOT?” Journal of Statistics Education, Vol 22, Number 1 (2014). <http://www.amstat.org/publications/jse/v22n1/mockotb.pdf>
- Mocko, M. (2013). Selecting Technology to Promote Learning in an Online Introductory Statistics Course. *Technology Innovations in Statistics Education*, 7(2). uclastat_cts_tise_13893. Retrieved from: <http://www.escholarship.org/uc/item/596195sg>
- Fairbourn, C. and Mocko, M. “What’s New with CAUSEweb and MERLOT?” Journal of Statistics Education, Vol 21, Number 2 (2013), www.amstat.org/publications/jse/v21n2/mockotb.pdf .
- Mocko, M. and Fairbourn, C. “What’s New with CAUSEweb and MERLOT?” Journal of Statistics Education, Vol 21, Number 1 (2013), www.amstat.org/publications/jse/v21n1/mockotb.pdf .
- Mocko, M., Ripol, M., *Lab Workbook for Statistics: The Art and Science of Learning From Data*, Pearson, U.S.A., 2013, 160 pages, 3rd edition.

- Mocko, M., International Conference of Mathematics Education 12 Proceedings “Selecting Technology to Promote Learning in an Online Introductory Statistics Course” at the International Conference of Mathematics Education in Seoul, South Korea in July 2012, (2728-2737) (<http://www.icme12.org/>)* (peer reviewed)
- Mocko, M., International Association of Statistical Education Roundtable Proceedings “Selecting Technology to Promote Learning in an Online Introductory Statistics Course” at the International Conference of Mathematics Education in Cebu City, Philippines in July 2012, 15 pages (<http://icots.net/roundtable/programme.php>) (refereed)
- Young, L. and Mocko, M. “The American Statistics Project Competition”, *Bridging the Gap: Between Teaching Statistics and the Common Core State Standards*, American Statistical Association, U.S.A. , 2012, pages 261-269.
- Mocko, M., Ripol, M., *Lab Workbook for Statistics: The Art and Science of Learning From Data*, Prentice Hall, U.S.A., 2009, 166 pages, 2nd edition.
- Mocko, M., Jacobbe, T. The Effects of an Audience Response System (ARS) on Achievement and Attitudes Towards Statistics in an Introductory Statistics Class. Proceedings for ICOTS 8. 2010, 4 pages. http://icots.net/8/cd/pdfs/contributed/ICOTS8_C273 MOCKO.pdf
- Lee, C., Mocko, M. Moreno, J. and Rogness, N. An Overview of K-16 Poster and Project Competitions. In JSM Proceedings, Statistical Education Section. Alexandria, VA: American Statistical Association. 2008 3 pages.
- Mocko, M., Clicker Questions for Chapters 11 through 15 to accompany *Statistics: The Art and Science of Learning from Data, 2008 (213 slides)*.
- Mocko, M., Clicker Questions for Chapters 1 through 10 to accompany *Statistics: The Art and Science of Learning from Data, 2007(92 slides)*
- Mocko, M., Ripol, M., *Lab Workbook for Statistics: The Art and Science of Learning From Data*, Prentice Hall, U.S.A., 2007, 168 pages.
- Ripol, M., Mocko, M., *Activities Manual*, on CD with *Statistics: The Art and Science of Learning From Data*, January 2006, 63 pages.

Interviews on Blogs, YouTube, Newspapers

- UF Online Interview about the STA 2023 Course, posted on UF Online Youtube Channel, http://www.mtinley.com/previews/Pearson_Embanet/F4_MEGAN1_V2_SMALL.mov , posted Aug. 3rd 2015.
- UF Online Interview about trying new things, posted on UF Online Youtube Channel, http://www.mtinley.com/previews/Pearson_Embanet/F5_MEGAN2_V1_SMALL.mov.
- UF Online Interview about accessibility posted on UF Online Youtube Channel, https://www.youtube.com/watch?v=pgNaC_phfJg, posted Aug. 3rd 2015.

- Blog post about lightboard, posted August 21, 2015 <http://www.sonicfoundry.com/new-glass-chalkboard-at-university-of-florida-creates-more-engaging-stem-courses/>
- *New York Times* in article “Learning in Dorm, because Class Is on the Web”, by Trip Gabriel, November 4, 2010. <http://www.nytimes.com/2010/11/05/us/05college.html?mcubz=2>

Presentations

International

- Mocko, M. and Everson M. “GAISING Backward and Forward” ICOTS 10 in Kyoto, Japan in July 2018 (accepted as invited paper / peer reviewed)
- Mocko, M. “Revising the GAISE: Guidelines for Assessment and Instruction in Statistics Education” at the Computational and Methodological Statistics (CMStatistics) 2017 Conference in London, England in December 2017. (organized invited)
- Mocko, M. and Crow, M. “Exploration of Problem Solving Processes of Students with Learning Disabilities” at the International Conference on Teaching Statistics (ICOTS) in Flagstaff, Arizona in July 2014.
- Mocko, M., “Selecting Technology to Promote Learning in an Online Introductory Statistics Course” at the International Conference of Mathematics Education (ICME) in Seoul, South Korea in July 2012.
- Mocko, M., “Selected Technology to Promote Learning in an Online Introductory Statistics Course” at the International Association of Statistical Education in Cebu City, Philippines in July 2012.
- Mocko, M., Jacobbe, T. “The Effects of an Audience Response System (ARS) on Achievement and Attitudes in an Introductory to Statistics Class” at the International Conference on Teaching Statistics (ICOTS) in Ljubljana, Slovenia in July 2010.

National

- Acquash, S., Waldon, L., Welsh, R., Mocko, M., and Mocko, J. “Rapid Fire Panel: Academic Video’s Impact on Learning” UBTEch 2017 on June 12, 2017.
- Carver, R., Gabrosek, G., Mocko, M., Witmer, J. and Wood, B. “Implementing GAISE Recommendations” breakout session at USCOTS 2017 in College Park, Pennsylvania in May 2017.
- Mocko, M., Lesser, L., Wagler, A., and Francis, W. “Results of a Two-Semester Study on Mnemonics Usage in an Online Introductory Statistics Course” at USCOTS 2017 in College Park, Pennsylvania in May 2017. (poster)
- Mocko, J. and Mocko, M. “Lightboard Design, Construction and Special Techniques for Online Classes and Science Labs” at Campus Technology 2016 on Boston, Massachusetts in August 2016.
- Gunderson, B., Hancock, S., Mocko, M., Wild, C. “Teaching a Large Introductory Statistics Course – Making it Work!” at JSM 2016 in Chicago, Illinois in August 2016. (invited panel)
- Everson, M., Carver, R., Gabrosek, J., Mocko, M., Velleman, P. and Wood, B. “GAISE into the Future: Updating a Landmark Report for an Increasingly Data-Centric World” at JSM 2015 in Seattle, Washington in August 2015.
- Everson, M., Gabrosek, J., Mocko, and Rumsey, D. “GAISE into your Classroom” at USCOTS 2015 in College Park, Pennsylvania in May 2015.
- Mocko, M. “Using the Island for Projects in an Introduction to Statistics I Course” at JSM 2014 in Boston, MA in August 2014.

- Mocko, M. “Help! I’m supposed to Teach! – How to Teach Biostatistics to Non-Statisticians in Biomedical Environments at JSM 2013 in Montreal, Canada in August 2013. (invited panel)
- Mocko, M., Lesser, L. and Crow, M. “Assessing the Effectiveness of Mnemonics in Introductory Statistics for Students with Learning Disabilities: Results from Pilot Study” at the United States Conference on Teaching Statistics May 2013.
- Mocko, M. “Lessons Learned from Teaching a Completely Online Introduction to Statistics Course” presentation by Megan Mocko for the topic contributed panel – “The Novice Online Instructor’s Survival Guide: Lessons and Resources from the CAUSE Online Cluster” at the Joint Statistical Meeting in San Diego, August 2012.
- Mocko, M., Hartlaub, B. and Jacobbe, T. “A Two Semester Study: The effects of an Audience Response System (ARS) on Achievement and Attitudes Towards Statistics in an Introductory Statistics Class” at eCots May 2012.
- Mocko, M. “Bag of Tricks”, roundtable discussion leader at JSM 2011 in Miami, Florida.
- Mocko, M. “An Invitation to Participate in the ASA Project Competition “presentation at the Meeting within a Meeting at JSM in Vancouver, Canada in August 2010.
- Mocko, M. “Audience Response System (“Clickers”) and Active Learning: Pluses and Minuses roundtable discussion leader at JSM 2009 in Washington, DC.
- Lee, C., Mocko, M., Moreno, J. and Rogness, N. “An Overview of K-16 Poster and Project Competitions” at JSM 2008 in Denver, Colorado.

Regional

- Mocko, M. and Gothard, K. “Fostering Learning Through Guided Inquiry in Introductory Statistics”, North Florida Regional Conference, Friday, May 25th, 2018
- Mocko, M. “The New GAISE College Report: creating a foundation for our Intro course”, TANGO Stat Ed summer training workshop, Saturday, 24th, 2016.
- “Using Technology to Advance our Teaching Goals”, North Florida Regional Mini Conference, Friday, May 20th, 2016
- Mocko, M. “My 2001 Teaching Odyssey” at the University of South Carolina for the department’s 25th anniversary in October 2010.

Local

- Mocko, M. “One Thing at a Time” at University of Florida Interface Faculty Seminar. Fall 2011.
- Mocko, M. “What do Shrimp, Relaxing Music and Chocolate have in Common?” presented at OASIS Transition Faculty Showcase in August 2010.

National Professional Service

- Program Committee Member for ECOTS 2018 (Electronic Conference on Teaching Statistics). Fall 2017 to Summer 2018
- Program Committee Member for ECOTS 2016 (Electronic Conference on Teaching Statistics). Fall 2015 to Summer 2016
- Co-chair and member, Committee to update and revise GAISE (ASA Member Initiative Grant) Jan. 2014 to Jan 2016 (member) Jan 2016 – June 2017 (co-chair)

- Program Committee Member for ECOTS 2014 (Electronic Conference on Teaching Statistics). Fall 2013 to Summer 2014
- Associate Editor of CAUSE web (Consortium for the Advancement of Undergraduate Statistics Education) Fall 2012 to Summer 2013
- Member of Committee to Submit Comments for Updating the GAISE(Guidelines for Assessment and Instruction in Statistics Education) Report Fall 2012 to August 2013
- Program Committee Member for ECOTS 2012 (Electronic Conference on Teaching Statistics). Fall 2011 to Summer 2012
- Board Member at Large for the Section of Statistical Education of the American Statistical Association term (Jan. 2011 to Dec. 2013)
- Head Judge (2009, 2010) and Co-head judge (2008) of the National Project Competition sponsored by the Joint Committee of the American Statistical Association and the National Council of Teachers of Mathematics.

Reviewer for Journals

- Reviewed papers for *Technology Innovation in Statistical Education* journal (2013 (2))
- Reviewed papers for *Statistics Education Research Journal* (2013 (1), 2016(1), 2017(1))
- Reviewed paper for *American Statistician* (2016 (1))
- Reviewed papers for *Journal of Statistical Education* journal (2014 (1), 2017 (1))

Textbook Consulting

- Attend Business Statistics Think Tank With McMillian Publishing (2018)
- Reviewed Clicker Questions for 3rd Edition of Agresti/Franklin, *Statistics: The Art and Science of Learning from Data* (2011)
- Critiqued Homework Assignments in Agresti/Franklin, *Statistics: The Art and Science of Learning from Data*
- Participated in two reviewer's conferences for the Agresti/Franklin text (2004, 2007)
- Participant in the Pearson's Introduction to Statistics Forum (2008)
- Collected data examples from the media and internet for Agresti's text (2002)

Regional Service

- Chair, North Florida Regional Conference, Friday, May 20th, 2015
- Chair, North Florida Regional Mini Conference, Friday, May 25th, 2018

University Service

- Member, University of Florida e-Learning Course Request Evaluate Zoom and Big Blue Button (Spring 2018)
- Member, University of Florida e-Learning Course Clicker Task Force (Fall 2016)
- Member, University of Florida e-Learning Course Request Redesign Task Force (Fall 2015)
- Member, University of Florida eLearning Advisory Committee (Spring 2015 to present)
- Member, University Technology Innovation Advisory Committee (August 2010 to Spring 2015)
- Member, University of Florida Course Management System Advisory Committee (Fall 2013 to Fall 2014)
- Member, University of Florida Sakai Faculty Advisory Group (Spring 2012 to Spring 2013)

- Member, University of Florida Distance Learning Accessibility Task Force (Spring 2011)
- Member, Ad Hoc University of Florida Committee to determine adoption of remote system (Summer 2005 to Summer 2006)
- Presenter, Committee for “Statistics is Fun” Presentation to Minority Students (Summer 2003, Summer 2005, Summer 2006, Summer 2007, Summer 2008, Summer 2009)
- Participated as a test class user for the Turning Point Remote System, Summer 2006
- Participated as a test class user for the new WEBCT VISTA program in Summer 2004
- Member, Provost Search Committee at the University of South Carolina (Spring 2001)

College Service

- Member, CLAS Strategic Task Force (Spring 2016)
- Member, CLAS Teaching Award Committee (Fall 2007, Fall 2010)

Departmental Service for other Departments

- Member, Mentoring Committee for Lecturer, Department of Psychology (Fall 2015 – Spring 2016)

Statistics Departmental Service

- Chair, Search Committee Chair for Two Lecturer Positions (Fall 2017 – Spring 2018)
- Member, Search Committee for Chair (Spring 2017)
- Member, Search Committee for Chair (Spring 2013)
- Chair, IFAS Lecturer Search Committee (Summer 2010)
- Member, Computer Committee (January 2006 to August 2010)
- Chair, IFAS Senior Lecturer Search (Spring 2008)
- Search Committee for Lecturer (Fall 2002),
- Statistics Department Undergraduate/Service Information Committee (2001-2002)
- Statistics Department Scheduling Committee (2001-2002)

Education

Masters of Science – Statistics

University of South Carolina in Columbia, SC 1999 – 2001

Bachelors of Science – Double Major – Statistics and Mathematics Double Major

Magna Cum Laude 3.9 GPA

Graduated with Honors from the South Carolina Honors College

Full Scholarship