

**Beth Kiwi**  
111 S. 49<sup>th</sup> St. #220  
Lincoln, NE 68506  
beth@furmanstate.org  
402.654.6977

---

## Education

- Ph.D. Survey Research and Methodology, Statistics Minor; University of Nebraska–Lincoln, May 2017  
(expected graduation)
- M.S. Applied Mathematics (Statistics); University of South Missouri, May 2012
- B.A. Business Administration (Accounting); Furman State University, May 2002

## Teaching Experience

*Graduate Teaching Assistant*, University of Nebraska–Lincoln

- Assisted with lectures and grading for approximately 45 students; participated in one-hour TA Prep course with graduate teaching assistant advisors. *Introduction to Statistics (STAT 218)*, Fall 2012
- Developed course materials and taught approximately 45 students. Topics included introduction to statistical inference, probability distributions and hypothesis testing. *Introduction to Statistics (STAT 218)*, Spring 2013

*Adjunct Instructor*, University of South Missouri

- Developed course materials and taught approximately 25 students. Topics included basic statistical methods including t-test, chi-square, linear regression, and correlation. *Statistical Methods (STAT 2113)*, Summer 2012

*Upward Bound Prep Instructor*, University of South Missouri

- Developed content to review and improve basic algebra skills for approximately 8 students enrolled in Upward Bound Central Prep program, a college-preparation program for economically challenged and prospective first-generation students. Summer 2012

*Graduate Teaching Assistant*, University of South Missouri

- Developed course materials and taught approximately 15 students per semester. Course is designed for students who have majored in elementary education and includes topics such as introduction to probability, sampling, measures of central tendency, and simple tests of significance for students who have majored in elementary education. *Analysis of Data and Chance (MATH 2113)*, Fall 2011, Spring 2012
- Created final project assignments and analyzed data to develop report used for grading assignments. *Introduction to Statistics for Sciences (STAT 2103)*, Spring 2011
- Tutored students from multiple entry level and intermediate level statistics courses. Fall 2010, Spring 2011

## Research and Analysis Experience

*Dissertation - The Impact of Working Memory on Response Order Effects and Question Order Effects in Telephone and Web Surveys*, University of South Missouri, (in progress)

- Completing new data collection Fall 2016 to address three objectives regarding working memory and survey methodology
  - Objective 1: Examine impact of respondents' working memory on question order effects and response order effects when answering attitudinal questions.
  - Objective 2: Examine impact of respondents' working memory across two modes of survey administration, telephone and web.
  - Objective 3: Compare working memory measures of sentence span and alphabet span with subset of memory measures used in Health and Retirement Study (HRS).
- Working under advisement of Ph.D. committee chair Dr. Robert F. Belli and committee members Drs. Erin Blankenship, James Bovaird, and David Warner

*Graduate Research Assistant*, University of South Missouri, August 2013–Present

- Working under advisement of Dr. Kristen Olson & Dr. Jolene Smyth on NSF Census Research Network (NCRN) grant awarded to University of Nebraska–Lincoln SRAM Program (NSF Grant No. SES-1132015)
- Analyzing behavior code data to assess interviewer and respondent interactions on telephone-administered surveys
- Managing undergraduate behavior coders including training and reviewing.
- Co-authored two paper presentations for *Midwest Association for Public Opinion Research* (2014 & 2015) and one paper presentation for *American Association for Public Opinion Research* (2016).

*Project SCHOLAR*, University of South Missouri, Spring 2012

- Participated in Project SCHOLAR (Statistical Consulting Help for Organizational Leaders and Academic Researchers) under advisement of Dr. Tracy Morris and Dr. Cynthia Murray.
- Analyzed data provided by graduate nursing students from Newman University in Wichita, KS in collaboration with fellow UCO students Alvin Teh and Brian Gatewood. Results presented in poster at 2013 Oklahoma Research Day.

*Graduate Student Project*, University of South Missouri, Fall 2011

- Worked under advisement of Dr. Cynthia Murray to assess data.
- Analyzed data from Office of Institutional Research at University of South Missouri to provide assessment of two new-student programs offered at UCO. Results presented in poster at 2012 Texas A&M 12<sup>th</sup> Annual Assessment Conference.

## Professional Statistical and Survey Research Experience

*Questionnaire Design Intern*, Bureau of Sociological Research (BOSR), Lincoln, NE, Summer 2014

- Designed two mail surveys, University of Nebraska–Lincoln Sociology Alumni Survey and Nebraska Annual Social Indicators Survey (NASIS)
- Provided detailed transcription training, performed data cleaning for Sociology alumni sample, proofread reports, and periodically supervised call-center.

*Consulting Intern*, C.H. Guernsey & Co., Oklahoma City, OK, Summer 2011

- Collaborated with analytical consulting team.
- Conducted time series analysis for projecting electrical energy consumption and created tables and graphs of results to be included in client reports.

## Grants

National Science Foundation Methodology, Measurement, and Statistics Program Doctoral Dissertation Research Grant, 2016-2017 (with R. F. Belli). Funded \$16,000.

## Presentations

**Kiwi, B.,** Olson, K., & Smyth, J. (2016). Interviewer influence on interviewer-respondent interaction during battery questions. *Proceedings of the Annual Meeting of the American Association for Public Opinion Research (AAPOR)*, Austin, TX.

**Kiwi, B.,** Olson, K., & Smyth, J. (2015). When to repeat: Interviewer and respondent behavior on battery questions. *Proceedings of the Annual Meeting of the Midwest Association for Public Opinion Research (MAPOR)*, Chicago, IL.

**Kiwi, B.,** & Smyth, J. (2014). Hours or minutes – Does one unit fit all? *Proceedings of the Annual Meeting of the Midwest Association for Public Opinion Research (MAPOR)*, Chicago, IL.

**Kiwi, B.,** Gatewood, B., Teh, A., Morris, T., & Murray, C. (2013). Bridging the gap from didactic to clinical education. *Oklahoma Research Day*, poster presentation, University of South Missouri.

**Kiwi, B.,** & Murray, C. (2012). Impact of new programs on SRTK success. *Proceedings of the Annual Assessment Conference*, poster presentation, Texas A&M University.

## Academic Awards and Honors

University of South Missouri

- Graduate Assistance in Areas of National Need (GAAN) Fellowship
- Preparing Future Faculty Fellow

University of South Missouri

- Department Chair's Scholarship
- Leonard-Murray Statistics Award
- Department of Mathematics and Statistics Outstanding Graduate Student Award

Oklahoma State University

- 4-year academic scholarship
- Graduated Cum Laude and Top 10% of graduating class

## Professional Development

*Professional Memberships*

- *American Association for Public Opinion Research (AAPOR)*, student member, 2014–Present
- *Midwest Association for Public Opinion Research (MAPOR)*, student member, 2014–Present
- *American Statistical Association (ASA)*, student member, 2010–Present

*Conferences*

- AAPOR Annual Conference, 2016 (Presenter, Attendee & Volunteer), 2014 (Attendee)
- MAPOR Annual Conference, 2015 (Presenter, Attendee & Volunteer), 2014 (Presenter & Attendee)
- United States Conference on Teaching Statistics (USCOTS), 2013 (Attendee)
- ASA Conference on Statistical Practice, 2013 (Attendee)

*Workshops & Short Courses*

- ASA Traveling Course
- *Bayesian Methods and Computing for Data Analysis and Adaptive Clinical Trials* presented by Bradley P. Carlin, 2013

ASA Conference on Statistical Practice Short Course

- *A Crash R Course on Statistical Graphics* presented by Isabella Rodica Ghement, 2013

USCOTS Workshop

- *Identifying and Addressing Difficult Concepts for Students in the Introductory Statistics Course* presented by Deborah Rumsey and Marjorie Bond, 2013

University of Nebraska–Lincoln

- *Preparing Future Faculty*
  - Seminar, Summer 2016
  - Mentor program, Fall 2016
- *Annual Campus-wide Workshop for Graduate Teaching Assistants*
  - Keynote speaker Lindsay Wheeler, Ph.D., Instructor of Chemistry and co-director of a campus-wide STEM observation project, University of Virginia, 2016
  - Keynote speaker Terry Doyle, Professor of Reading, Ferris State University, 2015
  - Keynote speaker Therese Huston, Founding Director, Center for Excellence in Teaching and Learning, Seattle University, 2013
  - Keynote speaker Dr. James Lang, Associate Professor of English, Assumption College, 2012
- Department of Statistics *Teaching Assistant Prep Course*, Fall 2012

Webinars

Consortium for the Advancement of Undergraduate Statistics Education (CAUSE)

- *The Bubble Project*, presented by Pamela Fellers, Grinnell College, 2016
- *Using Media Clips to Introduce Topics in Statistics*, presented by James Bush, Waynesburg University, 2016
- *Teaching Statistics from the Operating Table*, presented by Amy Nowacki, Cleveland Clinic Lerner College of Medicine, 2015