

Scott A. Roths

Work Address:

416 Thomas Building
Pennsylvania State University
University Park, PA 16802

webpage: www.personal.psu.edu/~sar320/
email: sar320@gmail.com
phone: (814) 769-6563

email: sar320@psu.edu
phone: (814) 865-3131

Education

Ph.D. Statistics, Pennsylvania State University, August 2011.

Thesis: Generalized stepwise procedures for controlling the false discovery rate.

Committee: Jogesh Babu (chair), Debashis Gosh (co-chair), Bing Li, and Stephen Simpson.

M.S. Statistics, Kansas State University, May, 2005.

Thesis: Empirical Bayes confidence intervals for the difference of two independent binomial proportions.

Committee: Joshua Tebbs (chair), James Neill, and Shie-Shen Yang.

B.S. Mathematics, Kansas State University, May, 2002.

Teaching Experience

Pennsylvania State University

PSU 016: First-Year Seminar Science

STAT 200: Elementary Statistics

STAT 318: Elementary Probability

STAT 319: Applied Statistics in Science

STAT 414: Introduction to Probability Theory

STAT 415: Introduction to Mathematical Statistics

STAT 462: Applied Regression Analysis

STAT 463: Applied Time Series Analysis

STAT 464: Applied Nonparametric Statistics

STAT 502: Analysis of Variance and Design of Experiments

STAT 505: Applied Multivariate Statistical Analysis

Kansas State University

STAT 325: Elements of Statistics

STAT 350: Business and Economic Statistics I

Research

Refereed papers

Tebbs, J. and Roths, S. (2008). New large-sample confidence intervals for a linear combination of binomial proportions. *Journal of Statistical Planning and Inference*, 138, 1884-1893.

Roths, S. and Tebbs, J. (2006). Revisiting Beal's confidence intervals for the difference of two binomial proportions. *Communications in Statistics: Theory and Methods*, 35, 1593-1609.

Presentations

Generalized stepwise procedures for controlling the false discovery rate. 7th International Conference on Multiple Comparison Procedures at Washington D.C., August, 2011.

Empirical Bayes confidence intervals for the difference between two independent binomial parameters. Kansas State University, May, 2005.

Employment

Lecturer, Pennsylvania State University, August, 2011 – present

Teaching Assistant, Pennsylvania State University, July, 2006 – August, 2011.

Research Assistant, Pennsylvania State University, January – August, 2010.

Assistant, Summer School in Statistics for Astronomers, Pennsylvania State University, June, 2009, 2010.

Professional Service

Reviewer for papers

The Journal of Statistical Computation and Simulation.

Communications in Statistics: Theory and Methods.

Special Issue on Multiple Comparison Procedures (MCP 2007) of the Biometrical Journal.

Awards

William L. Harkness Teaching Award, August, 2009.

Conferences and Workshops Attended

United States Conference On Teaching Statistics (USCOTS), State College, PA, May, 2015

Eberly College of Science (ECoS) Faculty Ethics Workshop, State College, PA, May, 2015

World Campus Faculty Convocation, State College, PA, September, 2013, 2014.

Joint Statistical Meetings (JSM), Boston, MA, August, 2014.

Statistics Department Alumni Workshop, Pennsylvania State University, March, 2005, 2006.

Conference on Applied Statistics in Agriculture, Manhattan, KS, April, 2003, 2004.

Last updated: February 23, 2016