

B. SANGO OTIENO

Associate Professor, Statistics

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Sango Otieno was born and raised in Kenya. In 1990 he received a B.S. in Mathematics from Egerton University in Njoro, Kenya. Following his undergraduate degree, he taught as a Teaching Assistant in the Department of Mathematics, Egerton University, where he enrolled in a graduate program in Statistics in 1992. In 1994 he received a M.S. in Statistics and accepted the position of Assistant Lecturer at the same university. He received a teaching assistantship for his Ph.D studies in the Department of Statistics at Virginia Tech, in 1999 and graduated with a Ph.D in Statistics in May 2002. In August 2002 he accepted a one-year sabbatical replacement position in the department of mathematics and Computer Science at the College of Wooster, Ohio, and in August 2003, he accepted a tenure-track teaching position in the Department of Statistics at Grand Valley State University, Michigan, where is currently an associate professor and Director of the Statistical Consulting Center.

SELECTED PUBLICATIONS

- “Circular Data,” **B.Sango Otieno**, C.M. Anderson-Cook (2012): Accepted: In Encyclopedia of Environmetrics. Editors: A.H. El-Sharawi and W.W. Piegorsch. John Wiley & Sons.
- “Cylindrical Data,” C.M. Anderson-Cook , **B.Sango Otieno** (2012): Accepted: In Encyclopedia of Environmetrics. Editors: A.H. El-Sharawi and W.W. Piegorsch. John Wiley & Sons.
- “Design and Analysis of Experiments for Directional data,” **B.Sango Otieno**, C.M. Anderson-Cook (2011) :Design and Analysis of Experiments: Special Designs and Applications by Klaus Hinkelmann, John Wiley & Sons, Incorporated (2011) - Hardback - 608 pages - ISBN 0470530685
- “Metrics, Design and Analysis of Simulation Studies for Evaluating Directional Data Methods,” Lu Lu, **B.Sango Otieno**, C.M. Anderson-Cook, M.S. Hamada (2011): Journal of Statistical Theory and Applications **2**, 115–142.
- “A Hodges-Lehmann Estimator of Preferred Direction for Circular Data,”**B.Sango Otieno**, C.M. Anderson-Cook (2006):Journal of Statistics and Applications **1**, 155–169.
- “Measures of Preferred Direction for Circular Data for Experimental and Ecological Data, ” **B.Sango Otieno**, C.M. Anderson-Cook (2006): Journal of Environmental and Ecological Sciences **13**, 311–324.
- “Effect of Position of an Outlier on the Influence curve of Measures of Preferred Direction for Circular Data” **B.Sango Otieno**, C.M. Anderson-Cook (2005): Journal of Modern Applied Statistical Methods **41**, 81–89.
- “A More Efficient Way of Obtaining Unique Median Estimate for Circular Data,” **B.Sango Otieno**, C.M. Anderson-Cook (2003): Journal of Modern Applied Statistical Methods **31**, 168–176.
- “Diel periodicity of emergence of adult citrus rust mites in Central Florida” J.C. Bergh, C.W. McCoy, **B.Sango Otieno** (2002): Journal of Experimental and Applied Acarology **26**, 169–185.
- “Circular Data,” C.M. Anderson-Cook , **B.Sango Otieno** (2002): In Encyclopedia of Environmetrics. Editors: A.H. El-Sharawi and W.W. Piegorsch. John Wiley & Sons. **1**, 338–340.

RESEARCH INTERESTS

Directional (Circular) Data, Nonparametric Methods, Biostatistics, Time Series Analysis

TEACHING

Probability & Statistics, Intermediate Applied Statistics, Advanced Statistical Methods for Nursing, Introductory Applied Statistics, Statistical Computing, Statistical Methods for Biologists, Introduction to Biostatistics, Introduction to Survey Sampling