

# Candace Berrett

Department of Statistics  
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**Education** THE OHIO STATE UNIVERSITY Columbus, OH  
Ph.D. Candidate in Statistics (expected graduation: June 2010)  
Advisor: Catherine A. Calder, Ph.D.

M.S. in Statistics, December 2007

BRIGHAM YOUNG UNIVERSITY Provo, UT  
B.S. in Actuarial Science, *Cum Laude*, April 2005  
Minor: Mathematics

**Interests** Spatial and spatio-temporal statistics, Bayesian methodology, statistical computing, and statistics education

**Experience** STATISTICAL AND APPLIED MATHEMATICAL SCIENCES INSTITUTE Durham, NC  
Graduate Fellow, Program on Space-time Analysis for Environmental Mapping, Epidemiology and Climate Change, September - December 2009

DEPARTMENT OF STATISTICS, THE OHIO STATE UNIVERSITY Columbus, OH  
Research Assistant, Fire-Land-Atmosphere Modeling and Evaluation for Southeast Asia (FLAMES) Project (NASA ROSES-2005 Award #NNG06GD31G), January 2007 - September 2009

CENTER FOR INSTRUCTIONAL DESIGN, BRIGHAM YOUNG UNIVERSITY Provo, UT  
Research Assistant, Evaluation and Assessment, August 2001 - May 2005

WATSON WYATT WORLDWIDE Boston, MA  
Actuarial Analyst Intern, June - August 2004

**Teaching** DEPARTMENT OF STATISTICS, THE OHIO STATE UNIVERSITY Columbus, OH  
Teaching Assistant, Stat 145: Intro to Statistics, September 2007 - March 2008  
Teaching Assistant, Stat 135: Elementary Statistics, September - December 2006

MATHEMATICAL BIOSCIENCES INST., THE OHIO STATE UNIVERSITY Columbus, OH  
Teaching Assistant, Summer Program in Mathematical Biology for Undergraduates, June - July 2007, June - July 2009

DEPARTMENT OF STATISTICS, BRIGHAM YOUNG UNIVERSITY Provo, UT  
Teaching Assistant, Stat 221: Principles of Statistics, August - December 2003

**Publications** REFEREED PUBLICATIONS

Xiao, N., Shi, T., Calder, C.A., Munroe, D.K., **Berrett, C.**, Wolfenbarger, S., and Li, D. (2008) Spatial Characteristics of the Difference between MISR and MODIS Aerosol Optical Depth Retrievals over Mainland Southeast Asia, *Remote Sensing of Environment*, DOI: 10.1016/j.rse.2008.07.011.

**Presentations** INVITED TALKS

Joint Statistical Meetings, Denver, CO, August 2008  
 “Learning to Teach Statistics: A TA’s Perspective”

## CONTRIBUTED TALKS

Joint Statistical Meetings, Washington, DC, August 2009  
 “Data Augmentation Methods for Bayesian Modeling of Spatially-Dependent Categorical Data”

Joint Statistical Meetings, Salt Lake City, UT, August 2007  
 “Characterizing the Dependence Structure of Space-Time Processes using Computer-Model Output and Sparse Observations”

## TALKS AT THE OHIO STATE

Discussion Group on Space-Time Data and Modeling, Columbus, OH, May 2009  
 “Kernel-Based Spatio-Temporal Dynamical Modeling: Methods from Xu, Wikle, & Fox  
 ‘Kernel-Based Spatio-Temporal Dynamical Model for Nowcasting Weather Radar Reflectivities’ ”

Graduate Information Day, Columbus, OH, January 2009  
 “The FLAMES Project: An Example of Statistics Research at Ohio State”

Quarter on Statistics and Climate Change Discussion Group, Columbus, OH, May 2008  
 “Discussion of ‘Bayesian Modeling of Uncertainty in Ensembles of Climate Models’ by R.L. Smith, C. Tebaldi, D. Nychka, and L. Mearns”

## CONTRIBUTED POSTERS

SAMSI Program on Space-time Analysis for Environmental Mapping, Epidemiology and Climate Change Opening Workshop, Research Triangle Park, NC, September 2009  
 “Data Augmentation Algorithms for the Bayesian Spatial Probit Regression Model”

Midwest Statistics Research Colloquium, Chicago, IL, March 2009  
 “Kernel-Based Space-Time Modeling of Computer Simulated Aerosol Optical Depth Data”

ENVR Workshop on Environmetrics, Boulder, CO, October 2008  
 “Spatial Characteristics of the Difference between MISR and MODIS Aerosol Optical Depth Retrievals over Mainland Southeast Asia”

MISR Data Users Science Symposium, Pasadena, CA, December 2007  
 “A Statistical Framework for Synthesizing MISR AOD Data and MOZART Output”

**Honors** Whitney Award for Best Research Associate, Department of Statistics, The Ohio State University  
 Battelle Fellowship, Department of Statistics, The Ohio State University  
 University Fellowship, The Ohio State University  
 Phi Kappa Phi National Honor Society  
 Heritage Scholarship, Brigham Young University

**Service** Co-President, Department Graduate Student Organization, The Ohio State University, September 2007 - June 2008  
 Member, Graduate Recruitment Committee, The Ohio State University, September 2006 - June 2007

**Organizations** American Statistical Association  
International Society for Bayesian Analysis  
Institute of Mathematical Statistics