

Scott E. Wade, M.A., GISP



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EDUCATION:

M.A. in Geography, East Carolina University, 1990

Master's Thesis: Determinants of Spatial Variation in Barrier Island Property Values

B.A. in Geography, University of North Carolina at Chapel Hill, 1984

EMPLOYMENT HISTORY:

Lecturer of Geography / Teaching Instructor

Department of Geography, Planning, and Environment
East Carolina University
Greenville, NC
1990 – Present

Senior Research Analyst

Geographic Market Analysts, Inc.
Greensboro, NC
1995 – 2003

Coordinator, Data and Cartographic Services

Center for Health Services Research and Development
East Carolina University
Greenville, NC 1988 – 1990

Geographic Clerk / Geographic Technician

U.S. Department of Commerce, Bureau of the Census
Geography Division
Charlotte, NC
1984 – 1986

UNIVERSITY ADMINISTRATIVE POSITIONS

Center for Geographic Information Science

Co-Director, 2016 – Present

Assistant Director, 2006 – 2016

East Carolina University

Greenville, NC

Director, Y.H. Kim Social Science Computing Laboratory

College of Arts and Sciences

East Carolina University

Greenville, NC

1996 – Present

Spatial Analysis Laboratory

Director and Co-Founder (with Leo Zonn)

Department of Geography

East Carolina University

Greenville, NC

1993-1995

UNIVERSITY COURSES TAUGHT:

Fundamentals of GIS

Geographic Information Systems I

Geographic Information Systems II

Advanced Geographic Information Systems (graduate level)

Seminar in Geographic Information and Analysis (graduate level)

GIS Applications Programming

Principles of Computer Cartography

Spatial Data Analysis

Quantitative Methods in Geography (undergraduate level)

Quantitative Techniques in Geography (graduate level)

Introduction to Geography

Introduction to Physical Geography

World Regional Geography: Developed Regions

Geography of North Carolina

Internship in Geography

GRANTS AWARDED FOR LAB DEVELOPMENT AND INSTRUCTION:

\$8,500 - from the ECU College of Arts and Sciences Noncontinuing Academic Enhancement Funds, for replacement chairs in the Y.H. Kim Social Science Computing Lab. Principal Investigator. (2006)

\$3,500 from the College of Arts and Sciences Noncontinuing Academic Enhancement Funds for a for multimedia classroom projector upgrade. (2005)

\$5,671 – from the ECU Teaching Grants Committee to develop a workbook as an active learning tool for GEOG 2400: Spatial Data Analysis. (2003)

\$1,800 from the College of Arts and Sciences Noncontinuing Academic Enhancement Funds for multimedia classroom computer upgrades.

\$2,124 – from the ECU College of Arts and Sciences Noncontinuing Academic Enhancement Funds, for multimedia classroom computer equipment. Principal Investigator. (2001)

\$7,223 – from the ECU College of Arts and Sciences Noncontinuing Academic Enhancement Funds, for software license maintenance. Principal Investigator. (1999)

\$38,539 – from East Carolina University Computing and Technology Fee Fund, for upgrading computer hardware and software in the Y.H. Kim Social Science Computing Laboratory. Principal investigator with Dorothy Clayton. (1998)

\$43,836 – from East Carolina University Computing and Technology Fee Fund, for upgrading computer hardware and software in the Y.H. Kim Social Science Computing Laboratory. Principal investigator with Dorothy Clayton. (1997)

\$2,188 – from the ECU College of Arts and Sciences Noncontinuing Academic Enhancement Funds, for multimedia classroom computer equipment. Principal Investigator. (1997)

\$34,845 – from East Carolina University Computing and Technology Fee Fund, for upgrading computer hardware and software in the Y.H. Kim Social Science Computing Laboratory. Principal investigator with Dorothy Clayton. (1997)

\$58,967 – from East Carolina University Computing and Technology Fee Fund, for enhancement of resources for GIS and remote sensing instruction. Co-investigator with Paul Gares, James Wilson, and Johnathan Bascom. (1994)

GRANTS AWARDED FOR SERVICE:

\$16,897 – from the City of Greenville Utilities Commission for “A Proposal to Develop a Digital Geospatial Feature Class of the Locations, Attributes, and Scanned Images of Water and Sewer As-built and Site Plan Sheets”. Co-investigator, with Karen Mulcahy as primary investigator. (2014)

\$3,984 – from the Town of Nashville, NC for “A Proposal to Develop a Digital Geographic Database of Water and Sewer Features for the Town of Nashville, NC”. Principal investigator. (2007)

REFEREED JOURNAL ARTICLES:

Jilcott, Stephanie B, Scott Wade, Jared T McGuirt, Qiang Wu, Suzanne Lazorick and Justin B Moore. (2011) The association between the food environment and weight status among eastern North Carolina youth. Public Health Nutrition, April Edition (http://journals.cambridge.org/repo_A82Homuq).

Wang, Yong, and Scott E. Wade. (2008). "Comparisons of Three Types of DEMs: A Case Study of the Randleman Reservoir, North Carolina." Southeastern Geographer, 48(1): pp. 110–124.

Wang, Yong, and Wade, Scott. 2001. "Using Digital Spatial Data Sets to Study the Impact of Reservoir Construction on Local Environment and Community." The North Carolina Geographer, 9: pp. 1-12.

RESEARCH CONSULTANTSHIPS AND REPORTS:

(The following amount to over \$400,000 worth of consulting contracts.)

Wade, Scott E. GIS/Mapping Consultant for the Wilson City Council Election Redistricting Project, prepared for the City of Wilson, N.C., Fall of 2021.

Wade, Scott E. "Population and Economic Growth in Macon County, N.C." prepared in cooperation with Geographic Market Analysts, Inc. for Centura Bank, Rocky Mount, N.C. in May 2000.

Wade, Scott E. "A Redefinition of the Macon County, N.C. Banking Market", a report prepared for Centura Bank, Rocky Mount N.C. in August 1999.

Wade, Scott E. and Andre Moncla. "The 1997 Centura Bank Peer Group Study", a geographic analysis of fair lending prepared for Centura Bank, Rocky Mount, N.C.

Wade, Scott E. and Andre Moncla. "The 1997 Hagerstown Trust HMDA Peer Group Study", a geographic analysis of fair lending prepared for Hagerstown Trust Bank, Hagerstown, MD.

Wade, Scott E. "A Redefinition of the Hertford County, N.C. Banking Market", a report prepared for Centura Bank, Rocky Mount N.C. in August 1997.

Wade, Scott E. and Andre Moncla. "The 1996 Centura Bank HMDA Peer Group Study", a geographic analysis of fair lending prepared for Centura Bank, Rocky Mount, N.C.

Wade, Scott E. and Andre Moncla. "The 1996 Centura Bank CRA Study", a geographic analysis of fair lending prepared for Centura Bank, Rocky Mount, N.C.

Wade, Scott E. and Andre Moncla. "The 1996 NationsBank HMDA Peer Group Study", a geographic analysis of fair lending in eight banking markets prepared for the Fair Lending Group, NationsBank Corp., Atlanta, GA.

Wade, Scott E. and Andre Moncla. “The 1995 Centura Bank HMDA Peer Group Study”, a geographic analysis of fair lending prepared for Centura Bank, Rocky Mount, N.C.

Wade, Scott E. and Andre Moncla. “The 1995 Centura Bank CRA Study”, a geographic analysis of fair lending prepared for Centura Bank, Rocky Mount, N.C.

Wade, Scott E. and Andre Moncla. “The 1995 NationsBank HMDA Peer Group Study”, a geographic analysis of fair lending in ten banking markets prepared for the Fair Lending Group, NationsBank Corp., Atlanta, GA.

Wade, Scott E. and Andre Moncla. “The 1994 Centura Bank HMDA Peer Group Study”, a geographic analysis of fair lending prepared for Centura Bank, Rocky Mount, N.C.

Wade, Scott E. and Andre Moncla. “The 1994 Centura Bank CRA Study”, a geographic analysis of fair lending prepared for Centura Bank, Rocky Mount, N.C.

INSTITUTIONAL RESEARCH PROJECTS:

Marketing and Recruiting Workgroup for 2018 ECU Strategic Enrollment Planning.

Part of a larger taskforce to consider 5 and 10-year enrollment goals for 2019 through 2029.

Lifestyle Mosaic Segmentation and Spatial Distribution of the ECU Freshmen Classes of 2016 and 2017. Prepared for the ECU Office of the Provost and the ECU Undergraduate Admissions Office, 2018.

The Student Origins Project: A North Carolina Geo-Demography Lesson and ECU Freshmen Enrollment Forecasts for 2019-2029. Prepared for the ECU Office of the Provost, 2018.

Spatial Analysis of ECU Transfer Enrollment by NC Community College, 2015-2016. Prepared for the ECU Office of the Provost and the ECU Undergraduate Admissions office.

Spatial Analysis of ECU Freshman Enrollment by High School, 2015-2016. Prepared for the ECU Office of the Provost and the ECU Undergraduate Admissions office.

Spatial Analysis of ECU Graduate School Enrollment by Academic Cluster, 2011-2015. Prepared for the ECU Graduate School.

Spatial Analysis of ECU Freshman Enrollment by High School, 2013-2014. Prepared for the ECU Office of the Provost and the ECU Undergraduate Admissions office.

SELECTED SERVICE RESEARCH PROJECTS:

The Imagination Library and Pitt County Literacy: Mapping Program Enrollees. An ongoing project collaboration with the ECU College of Education and the United Way.

A Spatial Analysis of Pitt County Property Values. Prepared for Uptown Greenville, Summer/Fall of 2013.

TRAINING WORKSHOPS PREPARED AND CONDUCTED:

Prepared and conducted **58** 2-Day and 3-Day continuing education GIS training workshops as of October 2018. Those trained include GIS professionals from federal, state and local government, private sector businesses, ECU faculty, staff, and students. Workshop titles include the following:

Advanced ArcGIS: Data Creation, Editing and Analysis (prepared with Karen A. Mulcahy for ECU Continuing Education)

Introduction to ArcGIS (prepared with Karen A. Mulcahy for ECU Continuing Education)

ArcGIS I: Introduction to GIS (as an ESRI Certified Instructor)

ArcGIS II: Essential Workflows (as an ESRI Certified Instructor)

Introduction to Geoprocessing Scripts using Python (as an ESRI Authorized Instructor)

Introduction to ArcGIS I (As an ESRI Authorized Instructor)

PROFESSIONAL CERTIFICATIONS AND AUTHORIZATIONS EARNED:

ESRI Certified Trainer for the following ArcGIS Version 10 courses: ArcGIS Desktop I: Getting Started with GIS, ArcGIS Desktop II: Tools and Functionality, ArcGIS Desktop III: GIS Workflows and Analysis, March 2011

ESRI Certified Desktop Associate, January 2011

CompTIA CTT+ Certified Classroom Trainer, January 2011.

ESRI Authorized Trainer – Introduction to ArcGIS I, a 2-day introductory GIS course developed by ESRI.

ESRI Authorized Trainer – ArcGIS Desktop II: Tools and Functionality, a 3-day introductory GIS course developed by ESRI.

ESRI Authorized Trainer – Introduction to Geoprocessing Scripts Using Python, a 2-day GIS programming course developed by ESRI.

Certified HAZUS Trained Professional by the Federal Emergency Management Agency (FEMA)

Certified HAZUS Practitioner by the Federal Emergency Management Agency (FEMA)

Authorized Vendor - HAZUS MH for Hurricane

Certified Geographic Information Systems Professional (GISP) by the Geographic Information Systems Certifications Institute (GISCI), March 2009, recertified March 2014.

SPECIALIZED TRAINING COMPLETED:

ESRI GIS Training:

Cartography, a 6-week, 6-module massive open online course (MOOC) conducted by ESRI Redlands. Completed June 2, 2020.

Spatial Data Science: The New Frontier in Analytics, a 6-week, 6-module massive open online course (MOOC) conducted by ESRI Redlands. Completed April 14, 2020

Going Places with Spatial Analysis, a 6 module massive open online course (MOOC) conducted by ESRI Redlands. Completed March 2019.

Earth Imagery at Work, a 7 module massive open online course (MOOC) conducted by ESRI Redlands. Completed April 2018.

Getting Started with Insights for ArcGIS – Completed February 2018 via the ESRI Virtual Classroom.

Introduction to ArcGIS Pro for GIS Professionals – Completed December 2016 via the ESRI Virtual Classroom.

ArcGIS for Server: Sharing GIS Content on the Web – Completed June 2013 via the ESRI Virtual Classroom.

ArcGIS Desktop II: Tools and Functionality – (ArcGIS 10) completed at the ESRI Charlotte regional office in November, 2010

Introduction to Programming ArcObjects using the Microsoft .NET Framework – completed in July, 2010 via the ESRI (Charlotte) Virtual Classroom.

ArcGIS Desktop III: GIS Workflows and Analysis – (ArcGIS 9.x) completed at the ECU Center for Geographic Information Science in January, 2010

Introduction to ArcGIS Server - (ArcGIS 9.x) completed at the ESRI Charlotte regional office in March, 2009

ArcGIS Desktop II: Tools and Functionality – (ArcGIS 9.x) completed at the ESRI Charlotte regional office in July, 2008

Introduction to Geoprocessing Scripts using Python – (ArcGIS 9.x) completed at the ESRI Charlotte regional office in April, 2007

Introduction to ArcGIS I, Introduction to ArcGIS II – (ArcGIS 9.x) completed at the ESRI Charlotte regional office in May, 2006

HAZUS MH Software Training (FEMA):

HAZUS Multihazard – Basic disaster mitigation software training, completed at the 2005 Southeast HAZUS User Group conference in Charleston, SC.

Advanced HAZUS Multihazard for Flood – completed in September, 2005 at the National Emergency Training Center in Emmitsburg, MD

Advanced HAZUS Multihazard for Hurricane – completed in January, 2006 at the National Emergency Training Center in Emmitsburg, MD

Advanced HAZUS Multihazard for Earthquake – completed in February, 2007 at the National Emergency Training Center in Emmitsburg, MD

HAZUS Multihazard DMA2K Risk Assessment – completed in August, 2006 at the National Emergency Training Center in Emmitsburg, MD

Comprehensive Data Management for HAZUS MH (E313) – completed in September, 2006 at the National Emergency Training Center in Emmitsburg, MD

Distance Education Instructional Training:

Quick Start to Online Teaching – completed in February 2011 at East Carolina University

Online Centra Training and Integration – completed in June 2011 at East Carolina University

COMPUTER SOFTWARE SKILLS:

GIS/Mapping: ArcGIS Desktop, ArcGIS Pro, ArcGIS Online, Insights for ArcGIS, Manifold.NET, MapInfo, Idrisi, ERDAS Imagine

Programming Languages: VB.NET, Visual Basic, PowerBasic, NSBasic App Studio, VBScript, C#, Python, Delphi (Pascal)

GIS Programming Tools: ArcGIS Runtime, MapObjects, ArcObjects, ArcGIS ModelBuilder, WebAppBuilder

Statistical Software: SAS, SPSS, SYSTAT

Database Management: Microsoft Access, dBASE, MDAC, ADO, SQLite

Hazard Mitigation: HAZUS-MH

Other: Microsoft Office (Word, Excel, PowerPoint), Assorted Web Browsers

SOFTWARE DEVELOPED:

TIMS2BNA: A utility that processes TIMS (Transportation Information Management System) street files for use in Atlas GIS. Prepared for OR-Ed Laboratories, Oriental N.C.

UDAP Browser: A census data browser used to view, print, and export census data distributed to communities participating in the U.S. Census Bureau's 1990 User Defined Areas Program. Prepared for planning agencies in Tarboro, NC and Arlington, VA.

Home Mortgage Database Analyzer: A program designed to display, print, and export Home Mortgage Disclosure Act (HMDA) data and reports. Prepared for H. Badger and Company, Inc., Greensboro N.C.

Executive Information System: A customized bank branch planning GIS application used by two large banking corporations for strategic planning. Developed using Visual Basic 6 and ESRI MapObjects.

Numerous GIS Viewing and Analysis Utilities: Developed for clients using QuickBasic, PowerBasic, Visual Basic, MapObjects, ArcObjects, and Python.