

CURRICULUM VITAE

Jane Robertson Evia, Ph.D.
Assistant Professor of Practice, Statistics Department
Virginia Polytechnic Institute and State University, Blacksburg, VA

Education

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| 2007 – 2012 | The University of North Carolina
Chapel Hill, NC
School of Education
Department of Educational Psychology, Measurement, and
Evaluation
<i>Title of Dissertation: Self-efficacy and Collaborative Learning: An
Intervention Study</i> | Ph.D. |
| 2005 – 2007 | Appalachian State University
Boone, NC
Department of Mathematics
<i>Title of Masters Project: The Trouble with Fractions</i> | M.A. |
| 1990 – 1994 | North Carolina State University
Raleigh, NC
Department of Statistics | B.S. |
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Teaching Experience

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| 2012 – present | Assistant Professor of Practice
Statistics Department
Virginia Polytechnic Institute and State University, Blacksburg,
VA |
| 2011 – 2012 | Graduate Teaching Assistant
School of Education
The University of North Carolina at Chapel Hill |
| 2008 – 2010 | Instructor
Department of Statistics
Alamance Community College
Graham, NC |

2005 – 2007 Graduate Teaching Assistant
Department of Mathematics
Appalachian State University
Boone, NC

Courses Taught

Virginia Polytechnic Institute and State University, Blacksburg, VA

STAT 1004 First Year Experience in Learning from Data

This first year experience course is intended to give you the opportunity to explore the world of statistics, while also getting settled into your new life as a college student. You will meet guest statisticians who work in various fields of statistics, including actuarial sciences, pharmaceutical research, bioinformatics, and academia. You will also have the opportunity to explore data and begin to think about solving various problems using statistics.

STAT 3005 Statistical Methods

Basic statistical methodology: exploratory data techniques, estimation, inference, comparative analysis by parametric, nonparametric, and robust procedures. Analysis of variance (one-way), multiple comparisons, and categorical data.

STAT 3604 Statistics for the Social Sciences

Statistical methods for nominal, ordinal, and interval levels of measurement. Topics include descriptive statistics, elements of probability, discrete and continuous distributions, one and two sample tests, and measures of association. Emphasis on comparison of methods and interpretations at different measurement levels.

STAT 4024 Communication in Statistical Collaborations

Theory and examples of effective communication in the context of statistical collaborations. Practice developing the communication skills necessary to be effective statisticians using peer feedback and self-reflection. Topics include helping scientists answer their research questions, writing about and presenting statistical concepts to a non-statistical audience, and managing an effective statistical collaboration meeting.

The University of North Carolina at Chapel Hill, Chapel Hill, NC

EDUC 744 Advanced Assessment Techniques

Provided basic psychological principles upon which prospective teachers can design effective instructional programs and validly assess these programs of instruction. Topics included determining learning goals and objectives, formative assessment, summative assessment, item development, aligning learning goals with assessments and instruction, grading policies, and communication with others about student assessment and learning.

EDUC 644 Development, Learning, and Assessment

Provided prospective teachers with a conceptual understanding of child/adolescent development in order to enable them to respond to student behavior in an instructive manner. Topics included transitions in adolescence, peer and family influence, motivation to learn, cognitive development theories, differentiation in instruction, identity, and using technology to support instruction.

Alamance Community College, Graham, NC

MAT 151 Statistics I

Project-based approach to the study of basic probability, descriptive and inferential statistics, and decision making. Emphasis was placed on measures of central tendency and dispersion, correlation, regression, discrete and continuous probability distributions, quality control, population parameter estimation, and hypothesis testing. Students learned to describe important characteristics of a set of data and draw inferences about a population from sample data. Students were taught to use various types of technology, including graphing calculators, statistical software, and online applications in order to enhance their understanding and application of statistical topics.

Appalachian State University, Boone, NC

STT 2810 Introduction to Statistics

Introduction to statistical problem solving and methodology. Topics included tabulation and graphical representations of univariate and bivariate data; probability, statistical distributions, confidence intervals and hypothesis testing. Emphasis was on conceptual understanding and interpretation of results. Statistical software was utilized in the analysis of data and in the development of statistical and probabilistic concepts.

Research Experience

- 2013 – present Education and Curriculum Consultant
Critical Thinking with Data Visualization working group
 Virginia Polytechnic Institute and State University, Blacksburg, VA
- 2013 – present Education and Curriculum Consultant
Bayesian Visual Analytics (BaVA) working group
 Virginia Polytechnic Institute and State University, Blacksburg, VA
- 2011 – 2014 Program Evaluation Assistant
 Peterman Consulting, Durham, NC
Analyze data collected from students, teachers, and fellows who participate in various large-scale PK-12 STEM programs across the United States. Communicate evaluation results to various stakeholders.
- 2011 – 2012 Graduate Research Assistant
 Teacher Performance Assessment Consortium (TPAC)
 Coordinator and Assistant to the Assistant Dean for Academic Affairs
 School of Education
 The University of North Carolina, Chapel Hill, NC
Worked with a national consortium of educators at Institutions of Higher Education (IHEs) during the field test year to further validate the Teacher Performance Assessment.
- 2008 – 2009 Graduate Research Assistant
 Cognition and Learning Laboratory
 School of Education
 The University of North Carolina, Chapel Hill, NC
Served as the lead graduate researcher in a laboratory that studies the self-regulated learning strategies employed by high school students. Coordinated all functions of the lab and trained junior level graduate research assistants.

2007 – 2011 Graduate Research Assistant
 Evaluation and Research Team
 LEARN North Carolina
 The University of North Carolina, Chapel Hill, NC
Worked with a research team to collect and evaluate Teacher Working Conditions data from PK-12 educators across approximately 26 state initiatives. Evaluated end of course data collected from PK-12 educators who completed online professional development courses offered by LEARN NC.

Grants

2015 – 2016 Pathways to Success Grant (\$10,000.00), Principal Investigator
 Office of First Year Experience
 Virginia Polytechnic Institute and State University

2014 – 2015 Pathways to Success Grant (\$19,000.00), Principal Investigator
 Office of First Year Experience
 Virginia Polytechnic Institute and State University

2013 – 2014 Pathways to Success Grant (\$23,000.00), Principal Investigator
 Office of First Year Experience
 Virginia Polytechnic Institute and State University

Publications

Articles under review

Zeitz, R. A., Evia, C., Perez-Quiñones, M., **Robertson Evia, J.** (under review). Holy documentation! Evaluating webcomics as a mode of technical communication. Submitted to *IEEE Transactions on Professional Communication*.

Self, J. Z., Self, N., House, L., **Robertson Evia, J.**, Leman, S., North, C. (under review). Bringing interactive visual analytics to the classroom for developing EDA skills. Submitted to the *Journal of Statistics Education (JSE)*.

Articles in peer reviewed journals

Greene, J. A., Bolick, C. M., **Robertson, J.** (2010). Fostering historical and thinking skills using hypermedia learning environments: The role of self-regulated learning. *Computers & Education*, 54(1), 230-243.

Greene, J. A., Costa, L., **Robertson, J.**, Pan, Y., & Deekens, V. M. (2010). Exploring relations among college students' prior knowledge, implicit theories of intelligence, and self-regulated learning in a hypermedia environment. *Computers & Education*, 55(3), 1027-1043.

Chapters in Books

Greene, J. A., Torney-Purta, J., Azevedo, R., **Robertson, J.** (2010). Using cognitive interviewing to explore primary and secondary students' epistemic and ontological cognition. In L. D. Bendixen & F. C. Haerle (Eds.). *Personal epistemology in the classroom: Theory, research, and implications for practice*. New York: Cambridge University Press.

Greene, J. A., **Robertson, J.**, Costa, L. C. (2011). Assessing self-regulated learning using think-aloud methods. In Zimmerman, B. & Schunk, D. (Eds.). *Handbook of self-regulation of learning and performance*. New York: Routledge.

Paper Presentations

All presentations had refereed abstracts.

Chen, X., House, L., Self, J.Z., Leman, S., **Evia, J.R.**, Fry, J. T., North, C. (2016). Be the Data: An exploratory study of embodied experience for learning data analytics. Annual Meeting American Educational Research Association (AERA 2016) at Washington, DC.

Greene, J. A., Bolick, C. M., **Robertson, J.** (2010). *Fostering historical knowledge and thinking skills using hypermedia learning environments: The role of self-regulated learning*. American Educational Research Association Annual Meeting, Studying and Self-Regulated Learning Special Interest Group.

Bolick, C. M., Greene, J. A., **Robertson, J.** (2009). *Student Learning, achievement, and reflections with hypermedia learning environments*. Meeting of the College and University Faculty Assembly.

Greene, J. A., Costa, L. C., **Robertson, J.**, Pan, Y., & Deekens, V. (2009). *Exploring relations among college students' prior knowledge, implicit theories of intelligence, and self-regulated learning in a hypermedia environment*. American Educational Research Association Annual Meeting, Studying and Self-Regulated Learning Special Interest Group.

Professional Service Activities

- 2008 – present Reviewer, *Journal of Experimental Education*, 1 review to date
- 2008 – present Reviewer, *Computers & Education*, 2 reviews to date
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Departmental, College, and University Service Activities

- 2014 – present Member, College of Science Diversity Committee
Virginia Polytechnic Institute and State University
- 2014 – present Member, Statistics Department Undergraduate Curriculum Committee,
Virginia Polytechnic Institute and State University
- 2014 – present Faculty sponsor, Statistics Club
Virginia Polytechnic Institute and State University
- 2014 – 2015 Member, Search Committee for Statistics Instructor, Virginia
Polytechnic Institute and State University
- 2014 Member, Quantitative and Computational Curriculum Committee
Virginia Polytechnic Institute and State University
- 2013 – present Lead Collaborator, Laboratory for Interdisciplinary Statistical Analysis
(LISA), Virginia Polytechnic Institute and State University
- 2013 – present Faculty sponsor, Roc Solid Foundation Club
Virginia Polytechnic Institute and State University
- 2013 – 2014 Member, University Council
Virginia Polytechnic Institute and State University
- 2012 – present Undergraduate advisor, Statistics majors and Actuarial Sciences minors,
Virginia Polytechnic Institute and State University
- 2012 – present Member, Statistics Department Undergraduate Committee, Virginia
Polytechnic Institute and State University
- 2012 – present Member, Women in Statistics, Virginia Polytechnic Institute and State
University
- 2009 – 2010 Service Co-chair, Graduate Student Association, The University of
North Carolina at Chapel Hill

2009 Member, Research Symposium Committee, School of Education,
 The University of North Carolina at Chapel Hill

Professional Memberships

American Statistical Association
International Association for Statistical Education
