

HOLLY J. ROSSON (a short vita)

Mathematics Department
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Warren Wilson College
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EDUCATION

Ph.D. in Mathematics, Dartmouth College, June, 2000.

TEACHING

Professor of Mathematics, Warren Wilson College, 2005-Present. **Chair:** 2019-Present
Taught courses including Data Science, Machine Learning, Statistics, Calculus, Mathematical Modeling, Linear Algebra, and Number Theory.

RECENT AWARDS

South Big Data S.E.E.D.S. Grant, funded by the **South Big Data Innovation Hub** (\$10,000) to support data science students working on a project with the community partner Bounty and Soul. Fall, 2022.

Open Education North Carolina Faculty Grant, funded by NC Live (\$1000) to convert textbooks in the Calculus sequence to open resources only. Fall, 2018.

Research Experiences for Undergraduate Faculty on the Mathematics of Big Data, funded by the American Institute of Mathematics to participate in a week-long data science workshop at Duke University. Fall, 2016.

RESEARCH INTERESTS

My current interests include mathematical modeling and data science, with applications to environmental sustainability and social justice.

RESEARCH PUBLICATIONS

Environmental and Social Advocacy Through Data, some Case Studies, in preparation.

Central Values of Quadratic Twists for a Modular Form of Weight 4, Ranks of Elliptic Curves and Random Matrix Theory, J. B. Conrey et al., eds, Cambridge University Press, February, 2007

Theta Series of Quaternion Algebras over Function Fields, J. Number Theory, 94 (2002), 49-79.

RECENT CONFERENCES

Data Matters, NC State University, Raleigh, NC. Participant in several week-long workshops on data science for researchers, business and government professionals. 2017, 2018, 2022.

Research Experiences for Undergraduate Faculty (REUF) on the Mathematics of Data, funded participant. Duke University, July 18-22, 2016.