

Avery Dobbins

Nelson Hall 4331
2801 Founders Dr
Raleigh, NC 27607, US

Email: averydobbins@gmail.com

Website: <https://averydobbins.com>
Linkedin: [linkedin.com/in/averydobbins](https://www.linkedin.com/in/averydobbins)

EDUCATION

Ph.D. in Economics, North Carolina State University, Raleigh, NC	2027 Expected
Committee: Profs. Roger von Haefen (Chair), Zachary Brown, Roderick Rejesus	
M.A. in Economics, North Carolina State University, Raleigh, NC	2021
B.A. in Economics, Appalachian State University, Boone, NC	2018
B.S. in Political Science, Appalachian State University, Boone, NC	2018

RESEARCH FIELDS

Applied Econometrics, Environmental & Resource Economics, and Agricultural Economics

JOB MARKET PAPER

"Water Quality and Coastal Recreation Demand: A Travel Cost Analysis Using Mobile Device Data"

with Dr. Roger von Haefen

- Abstract:** We estimate the recreational value of changes in coastal water quality along New England Atlantic beaches from Connecticut to Maine by combining mobile-device visitation data with satellite-derived water clarity and chlorophyll abundance measures. Our data cover approximately 25.9 million projected trips from more than 25 thousand census block groups to 442 saltwater beaches in the summer of 2017. Using calculated roadway travel costs for each origin-beach pairing, we construct a two-stage nested logit travel cost model of recreation demand for the population of the states New York through Maine. We find that clearer waters are more attractive to beachgoers, while impacts from greater chlorophyll indexes may be overshadowed by Clean Water Act impairment and closure notices. We estimate that a 1% improvement in average water clarity across all modeled sites would translate into approximately 1.4 million dollars of additional welfare to beachgoers in the New England states.

PUBLICATIONS

"Blocks for Bees: Solving Bee Business Problems with Blockchain Technology," with Dobbins, A., Sprinkle, A., Hadley, B., Cazier, J., and Wilkes, J. (2018). Proceedings of the Appalachian Research in Business Symposium, Vol. III, pp. 11–16.

WORKING PAPERS

"Estimating Herbicide Selection Pressure on the Emergence of Resistant Weed Species",

with Dr. Zachary Brown

"Ecosystem Service Valuation: A Meta-Analysis of the Empirical Reference Frames"

WORK IN PROGRESS

"Crop Insurance Participation Across the Farm Income Distribution: A Quantile Regression Analysis",

with Dr. Roderick Rejesus

"Dark Skies and Destination Choice: Evidence from National Park Recreation Demand"

RESEARCH EXPERIENCE

Lead Data Science Consultant, North Carolina State University Libraries, Raleigh, NC	2022 – 2025
Pathways Intern in Economics, US Department of Agriculture, Economic Research Service, Raleigh, NC	2022
Data Support Specialist, Appalachian State University, Boone, NC	2016 – 2018

TEACHING EXPERIENCE

Independent Instructor, NC State University	2023 – Present
* Principles of Macroeconomics: Spring 2026	
* Resource and Environmental Economics: Spring 2023	

FELLOWSHIPS, AWARDS AND GRANTS

Research Fellow, Center for Environmental and Resource Economic Policy, NC State University	2021 – Present
Agricultural Policy Fellowship, NC State University	2021 – 2024
Agricultural Policy Fellowship, NC State University	2018 – 2021

PRESENTATIONS

Center for Environment and Resource Economic Policy Colloquium North Carolina State University, Raleigh NC	2022
Southern Appalachian Honeybee Research Consortium, Student and Postdoc Symposium Wake Forest University, Winston Salem NC	2018
Annual Appalachian Research Business Symposium East Tennessee State University, Johnson City TN	2018

OTHER INFORMATION

Programming: R, C#, Python, Julia, STATA, SAS, SQL, postgresSQL, SQLite, MATLAB, Fluent, GAUSS, Git, YAML, JSON, Excel
--

REFERENCES

Prof. Roger von Haefen (Advisor)
Professor, Assoc. Director CEnREP
Dept. of Agricultural & Resource Economics
NC State University, Raleigh, NC
rhhaefen@ncsu.edu

Prof. Zachary Brown
Associate Professor
Dept. of Agricultural & Resource Economics
NC State University, Raleigh, NC
zsbrown2@ncsu.edu

Prof. Roderick Rejesus
Professor
Dept. of Agricultural & Resource Economics
NC State University, Raleigh, NC
rmrejesu@ncsu.edu