Steven M. Ramsey

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Education

◇ **Ph.D. Agricultural Economics**, Kansas State University. August 2017.

  – Dissertation: *Advances in land-use and stated-choice modeling using neural networks and discrete-choice models.* (Advisors: Jason S. Bergtold and Jessica L. Heier Stamm)

◇ **M.A. Economics**, University of Kansas. May 2009.

◇ **B.S. Economics**, University of Kansas. December 2007.

Professional Experience

◇ **Assistant Professor**, New Mexico State University. August 2017-present.

◇ **Graduate Research Assistant**, Kansas State University. August 2013-July 2017.

◇ **State Economist** - Kansas, United States Department of Agriculture - Natural Resources Conservation Service. July 2010-August 2013. (Series: 0110 Economist, GS 11)

Teaching Experience

New Mexico State University

◇ **AG E 210**. Survey of Food and Agricultural Issues. Survey of food and agricultural issues, including: geography of food production and consumption; human-agricultural-natural resource relations; agriculture in the United States and abroad; modern agribusiness; food safety; food, agriculture, and natural resources policy; ethical questions; role and impact of technology. (F19)

◇ **AG E 350**. Spreadsheet Applications in Food and Agriculture. An advanced treatment of logical functions, reference functions, and other features of Microsoft Excel. (F19)

◇ **AEEC 585**. Application of microeconomic theory to problems and decisions of food and agricultural firms. The theoretical foundation of production economics and the theory of the firm are developed. (S18)

◇ **AG E 450/AEEC 550**. Spreadsheet Applications in Food and Agriculture/Advanced Microcomputer Applications
Instructor for the classroom component of both courses. In both courses, Microsoft Excel used to address quantitative problems related to agricultural economics and agribusiness. (F17, S18, F18, S19)

◇ **AEEC 590**. Research Methods - Econometrics Module.
Instructor for a five-week introductory econometrics module for the course. (F18)

Kansas State University

◇ **AGEC 115**. Decision Tools for Agricultural Economics and Agribusiness, Instructor.
Course uses Microsoft Excel to address quantitative problems related to agricultural economics and agribusiness. (F16, S17)

◇ **AGEC 120**. Agricultural Economics and Agribusiness, Lab Instructor.
Responsible for leading lab sessions consisting of classroom experiments intended to demonstrate the economic concepts being taught in lecture sessions. (S15, S16)

◇ **AGEC 121**. Honors Agricultural Economics and Agribusiness, Co-Instructor.
Introductory course in agricultural economics covering production and consumer theory, supply and demand, and market structures. Duties included lecturing, grading, developing course content, and holding office hours. (F15)

◇ Graduate Teaching Assistant

  ◇ AGEC 120: Agricultural Economics and Agribusiness. (S15, S16)
  ◇ AGEC 501: Data Analysis and Optimization. (F15)
  ◇ AGEC 115: Decision Tools for Agricultural Economics and Agribusiness. (S16)

Research

Published

◇ Granco, G., Heier Stamm, J., Bergtold, J., Daniels, M., Sanderson, M., Sheshukov, A., Mather, M., Caldas, M., **Ramsey, S.M.**, Lehrter, R., Haukos D., Gao, J., Chatterjee, S., Nifong, J., and J. Aistrup, Ph.D. "Evaluating environmental change and behavioral decision-making for sustainability policy using an agent-based model: A case study for the Smoky Hill River Watershed, Kansas." Accepted at *Science of the Total Environment*, August, 2019, doi: 10.1016/j.scitotenv.2019.133769.

◇ **Ramsey, S.M.**, Bergtold, J.S., Canales, E., and J. Williams. (2019) "Effects of Farmers' Yield-Risk Perceptions on Conservation Practice Adoption in Kansas." *Journal of Agricultural and Resource Economics*, 44(2):380—403.

◇ Sanderson, M.R., Bergtold, J.S., Caldas, M.M., Heier Stamm, J., **Ramsey, S.M.**, and J. Aistrup. (2018) "Climate change beliefs in an agricultural context: What is the role of values held by farming and non-farming groups?" *Climatic Change*, no. 150(3):259—272. doi: 10.1007/s10584-018-2283-2.

◇ Bergtold, J.S., **Ramsey, S.M.**, Maddy, L., and J. Williams. (2017) "A review of economic considerations for cover crops as a conservation practice." *Renewable Agriculture and Food Systems*:1—15. doi: 10.1017/S1742170517000278.

◇ Bergtold, J.S., Sant'Anna, A.C., Miller, N., **Ramsey, S.M.**, and J.E. Fewell. (2017) "Water scarcity and conservation along the biofuel supply chain in the United States: From farm to refinery." In Competition for Water Resources, edited by Jadwiga R. Ziolkowska and Jeffrey M. Peterson, Elsevier:124—143, ISBN 9780128032374, doi: 10.1016/B978-0-12-803237-4.00007-0.

⬦ Sanderson, M., Bergtold, J.S., Heier Stamm, J., Caldas, M., and **S.M. Ramsey**. (2017) "Bringing the social into social-hydrology: Application to conservation policy support in the Central Great Plains of Kansas, USA." *Water Resources Research*, 53:6725—6743, doi: 10.1002/2017WR020659.

Working Papers

⬦ **Ramsey, S.M.**, and J.S. Bergtold. "An artificial neural network approach to acreage-share modeling." Revise and resubmit at *Agricultural Economics*, May, 2019.

⬦ **Ramsey, S.M.**, Bergtold, J.S., and J. Heier Stamm. "Field-level land-use adaptation to local weather trends." Second submission at *American Journal of Agricultural Economics*, May, 2019.

⬦ **Ramsey, S.M**, and J.S. Bergtold. "Neural network estimators of binary choice processes for valuing environmental amenities: Estimation, marginal effects, and willingness-to-pay." Revise and Resubmit at *Computational Economics*, August, 2019.

⬦ Bergtold, J.S., **Ramsey, S.M.**, and A. Smith. "The role of values and beliefs in shaping perceived environmental vulnerability."

⬦ **Ramsey, S.M.**. "Snowpack yield implications: A case study of alfalfa yields in the Rio Grande Valley of New Mexico."

⬦ **Ramsey, S.M.**, Bergtold, J.S., and M. Sanderson. "The role of values, beliefs, and norms in willingness to protect a common pool resource: LEMAs and the Ogallala Aquifer."

Presentations

⬦ **Ramsey, S.M.**. "Snowpack yield implications: A case study of alfalfa yields in the Rio Grande Valley of New Mexico." *Agricultural and Applied Economics Association Annual Conference*. Atlanta, GA. July, 2019.

⬦ **Ramsey, S.M.**, Bergtold, J.S., and J. Heier Stamm. "A neural network approach to acreage-share modeling." *Agricultural and Applied Economics Association Annual Conference*. Washgington, D.C. August, 2018.

⬦ **Ramsey, S.M.**, Bergtold, J.S., Canales, E., and J. Williams. "Farmers' risk perceptions of intensified conservation practices on-farm." *Agricultural and Applied Economics Association Annual Conference*. Boston, MA. July, 2016.

⬦ **Ramsey, S.M.** and J.S. Bergtold. "Neural network estimators of binary choice processes for valuing environmental amenities: Estimation, marginal effects, and WTP" *Agricultural and Applied Economics Association Annual Conference*. San Francisco, CA. July, 2015.

Other Publications and Outreach

⬦ Torrez, C., Miller, N., **Ramsey, S.M.**, and T. Griffin. "Factors influencing the adoption of precision agricultural technologies by Kansas farmers". Kansas State University Department of Agricultural Economics Extension Publication KS-AgEcon-CT-NM-SR-TG-2016.1.

⬦ Torrez, C., Miller, N., **Ramsey, S.M.**, and T. Griffin. "Factors influencing the adoption of precision agricultural technologies by Kansas farmers". Interviewed by Eric Atkinson, Agriculture Today, KSRE Radio, December 13, 2016.

Grants and Awards

⋄ USDA Foregin Agricultural Service. "Cochran Fellowship Program: Commodity Market Exchange." Co-PI. $80,161. Funded, June 2019.

⋄ Foundations for Food and Agriculture Research. "Integration of Small Farmers into Technology-enabled, Rapid-response Fresh Food Supply Chains." $280,000. CO-PI. Funded, December, 2018.

⋄ US Agency for International Development. "Egypt Center of Excellence: A-WE." $30,000,000. CO-PI. Not funded. 2018.

⋄ National Science Foundation - Innovations at the Nexus of Food, Energy and Water Systems. "Integrated Strategies to Eliminate Food, Energy, and Water Waste in the Supply Chain of Fresh Agricultural Products." $400,000. CO-PI. Not funded. 2018.

Selected Service

Agricultural & Applied Economics Association

⋄ 2019 Annual Conference, Moderator: Climate Impact on Agricultural Production.

⋄ Land, Water, and Environmental Economics Section, Member   2017-2019

New Mexico State University

⋄ Search Committee for Assistant Professor, Committee Chair   2017-2018

⋄ NMSU Faculty Senate, ACES Senator   2017-2018

Kansas State University

⋄ Search Committee for Assistant Professor, graduate student representative   2014-2015

Panelist for reviews of grant proposals:

⋄ USDA NIFA Critical Agricultural Research & Extension   2017-2018

Referee for: *International Food and Agribusiness Management Review, Applied Economic Perspectives and Policy, Agronomy Journal.*

Professional Organizations

⋄ Agricultural and Applied Economics Association

⋄ Western Agricultural Economics Association

Additional Training and Skills

◇ K-State Codes: Python Short Course, April 5 - May 5, 2016

◇ Statistical Software and Programming Languages: Matlab, R, NLOGIT, Stata,

◇ Microsoft Office: Excel, PowerPoint, Word

◇ LaTeX typesetting language

Selected Honors and Awards

◇ 1st Place Team Case Study Competition - 2014 Agricultural and Applied Economics Association

◇ Timothy R. Donoghue Graduate Scholarship (Kansas State University)

◇ Arthur J. Boynton Scholarship for Academic Achievement (University of Kansas)

◇ Leland J. Pritchard Scholarship for Academic Achievement (University of Kansas)