

Austin Ford Ramsey

CONTACT INFORMATION	202-B Hutcheson Hall Virginia Tech Blacksburg, VA 24061	telephone: 540 231 5032 e-mail: aframsey@vt.edu
RESEARCH INTERESTS	Agricultural Economics Empirical Studies in Policy, Prices, and Risk	
PROFESSIONAL EXPERIENCE	Virginia Polytechnic Institute and State University , Blacksburg, VA <i>Assistant Professor</i>	2017 – Present
EDUCATION	North Carolina State University , Raleigh, NC <i>Doctor of Philosophy in Economics</i>	2012 – 2017
	University of North Carolina , Chapel Hill, NC <i>Master of Arts in Teaching</i>	2010 – 2011
	<i>Bachelor of Music (Second Major in Economics)</i>	2006 – 2010
HONORS AND AWARDS	AAEA/AARES Heading South Award, 2016 Outstanding PhD Student Presentation Award, Runner Up, AISC, 2016 Department Representative, Southern Economic Association Graduate Sessions, 2016 NSF/JSPP East Asia and Pacific Summer Institutes Fellowship, 2015 Graduate Teaching Assistantship, North Carolina State University, 2012 – 2017 Carolina Research Scholar, University of North Carolina, 2010 ACC Meeting of the Minds, University of North Carolina, 2010 Summer Undergraduate Research Fellowship, University of North Carolina, 2009	
JOURNAL ARTICLES	Ramsey, A.F. , Sonoda, T., and Ko, M. (2022) Intersectoral Labor Migration and Agriculture in the United States and Japan. <i>Agricultural Economics</i> . Online. Liu, Y. and Ramsey, A.F. (2022) Incorporating Historical Weather Information in Crop Insurance Rating. <i>American Journal of Agricultural Economics</i> . Online. Ramsey, A.F. , Tack, J., and Balota, M. (2022) Double or Nothing: Impacts of Warming on Crop Quantity, Quality, and Revenue. <i>Journal of Agricultural and Resource Economics</i> . 47(1). 1–22. Ramsey, A.F. and Rejesus, R.M. (2021). Bayesian Hierarchical Models for Measuring Varietal Improvement in Tobacco Yield and Quality. <i>Journal of Agricultural and Applied Economics</i> . 53(4) 563–586. Moeltner, K. , Ramsey, A.F. , Neill, C.L. (2021). Bayesian Kinked Regression with Unobserved Thresholds: An Application to the von Liebig Hypothesis. <i>American Journal of Agricultural Economics</i> . 103(5) 1832–1856. Sarkar, S. , Ramsey, A.F. , Cazenave, A., and Balota, M. (2021). Peanut leaf wilting estimation from RGB color indices and logistic models. <i>Frontiers in Plant Science</i> . 12:658621. Ramsey, A.F. , Goodwin, B.K., Hahn, W.F., and Holt, M. (2021). Impacts of COVID-19 and Price Transmission in U.S. Meat Markets. <i>Agricultural Economics</i> . 52(3) 441–458. Villacis-Aveiga, A. , Ramsey, A.F. , Alwang, J., and Delgado, J. (2020) Estimating Optimal Levels of Nitrogen Fertilizer in No-Tillage Continuous Corn. <i>Journal of Agricultural and Applied Economics</i> . 52(4). 613–623. Ramsey, A.F. , Ghosh, S.K., and Goodwin, B.K. (2020). Rating Exotic Price Coverage in Crop Revenue Insurance. <i>Agricultural Finance Review</i> . 80(5) 609–631. Isengildina-Massa, O. and Ramsey, A.F. (2020). Student-Managed Commodity Fund: A New Frontier in Experiential Learning. <i>Journal of Agricultural and Applied Economics</i> . 52(1) 64–77. Ramsey, A.F. (2020). Probability Distributions of Crop Yields: A Bayesian Spatial Quantile Regression Approach. <i>American Journal of Agricultural Economics</i> . 102(1) 220–230. Ramsey, A.F. and Goodwin, B.K. (2019). Value-at-Risk and Models of Dependence in the U.S. Federal Crop Insurance Program. <i>Journal of Risk and Financial Management</i> . 12(2) 1–21.	

Duncan, S.E., Reinhard, R., Williams, R.C., **Ramsey, A.F.**, Thomason, W., Lee, K., Dudek, N., Mostaghimi, S., Colbert, E., and Murch, R. (2019). Cyberbiosecurity: A New Perspective on Protecting U.S. Food and Agricultural System. *Frontiers in Bioengineering and Biotechnology*. 7(63) 1–7.

Ramsey, A.F., Goodwin, B.K., and Ghosh, S.K. (2019). How High the Hedge: Relationships Between Prices and Yields in the Federal Crop Insurance Program. *Journal of Agricultural and Resource Economics*. 44(2) 227–245.

Ramsey, A.F., Ghosh, S.K., and Sonoda, T. (2019). Saying Sayonara to the Farm: Hierarchical Bayesian Modeling of Farm Exits in Japan. *Journal of Agricultural Economics*. 70(2) 372–391.

BOOKS AND
MONOGRAPHS

Ramsey, A.F., Goodwin, B.K., and Haley, M. (2022). Labor Dynamics and Supply Chain Disruption in Food Manufacturing. In P. Antras and D. Zilberman (Eds.) *Risks in Agricultural Supply Chains*. University of Chicago Press.

Goodwin, B.K., **Ramsey, A.F.**, and Chvosta, J. (2018). *Applied Econometrics with SAS: Modeling Demand, Supply, and Risk*. Cary, NC: SAS Institute Inc.

OTHER
PUBLICATIONS

Ramsey, A.F. and Isengildina-Massa, O. (2020). Evaluation of Learning Outcomes from Participation in a Student-Managed Commodity Investment Fund. *Applied Economics Teaching Resources*. 2(6) 1–13.

Ramsey, A.F. (2019). Nicotine Standards for Combusted Tobacco Products Could Have Major Economic Impacts on Tobacco Growers. *Choices*. 34(3).

Santeramo, F.G. and **Ramsey, A.F.** (2017). Crop Insurance in the European Union: Lessons and Caution from the United States. *EuroChoices*. 16(3).

Ramsey, A.F. and Santeramo, F.G. (2016). La domanda di assicurazione nell'Unione europea: riflessioni sull'esperienza degli Stati Uniti. *Agriregionieuropa*. 12(47).

WORKING
PAPERS

Linear Pooling of Potentially Related Density Forecasts in Crop Insurance with Y. Liu

Gaussian Mixture Autoregressive Models of Spatial Market Integration in the Soybean Nexus

Railways and Grain Price Convergence in Meiji Japan with T. Sonoda

WORK IN
PROGRESS

Unintended Consequences of Uniform Pricing Regulations: The Case of Missouri's Livestock Marketing Law with B. Goodwin

Trade Responses to Climate Shocks in World Wheat Markets with J. Grant

No Smoke, No Fire?: Japanese Demand for Tobacco Products and Heat-Not-Burn Devices with C. Neill

GRANTS,
CONTRACTS,
AND
CONTRIBUTIONS

Rural Investment to Protect our Environment (RIPE) Partnership: Supporting Agricultural Producers at All Scales to Deliver Productivity, Market Opportunities, and Enhanced Soil, Water, and Climate Benefits 2023-2025

USDA-NRCS

PIs: T. Thompson, E. Benami, J. Bovay, M. Holt, **A.F. Ramsey**, A. Steensland, C. Ta, W. Thomason, R. White, W. Zhang

\$80,000,000

On-Farm Loss and Waste of Vegetables: Measurement, Drivers, and Welfare Implications 2022-2025
USDA-NIFA

PIs: J. Bovay, W. Zhang, **A.F. Ramsey**

\$633,551

Competitive FTA Scenarios, Natural Trading Levels, and the Role of Trade in Climate Change and Environmental Shocks 2022-2023

USDA-OCE

PIs: J. Grant, C. Emlinger, G. Davis, **A.F. Ramsey**, M. Marchant, D. Orden

\$300,000

Commonwealth Cyber Initiative (CCI) SWVA Node Request for Resources FY22-FY23 2022-2023
State Council of Higher Education for Virginia

PIs: Gretchen Matthews

\$2,499,999

Team Development for Cyberbiosecurity Guidelines for SmartFarms CAIA-VT PIs: A.F. Ramsey , P. Sforza, H. Seyyedhasani, B. Posadas, R. Gerdes, T. Chantem, R. Murch, S. Duncan \$1,000	2021
John Lee Pratt Graduate Fellowship CALs-VT PIs: A.F. Ramsey , R. White \$100,000	2020 - 2022
COVID-19 Rapid Response: Coronavirus Disease 2019, Price Transmission, and the Farm-Retail Price Spread in U.S. Livestock USDA-NIFA PIs: A.F. Ramsey , B. Goodwin, M. Holt \$293,524	2020 - 2022
Faculty Teaching Group Grant Center for Excellence in Teaching and Learning - VT PIs: A.F. Ramsey , R. White, S. Stewart, J. Lahne, C. Wright \$1,750	2020 - 2021
Commonwealth Cyber Initiative (CCI) SWVA Node Request for Resources FY20-FY21 State Council of Higher Education for Virginia PIs: Gretchen Matthews \$2,999,998	2020-2021
Market Opportunity and Segmentation for U.S. Rice in China and Ethnic Chinese Communities 2019-2022 USDA - Agricultural Marketing Service PIs: A.F. Ramsey , K. Moeltner, C. Neill, H. Wang \$223,599	
Designing Cyberbiosecurity Case Studies for the Food and Agricultural System for Integrating Education, Workforce Development, and the Bioeconomy ICAT - VT PIs: S. Duncan, T. Drape, M. Ellis, N. Meng, D. Yao, B. Zhang, A.F. Ramsey , W. Thomason, M. Stamper \$4,500	2019-2020
Three-State Data Science for the Public Good Coordinated Innovation Network USDA-NIFA PIs: M. Holt, S. Keller, M. Lambur, S. Chen, C. Haskins, B. Tyler, M. Faison, A.F. Ramsey \$280,000	2019-2022
A Question of Quality: Climate and the Economics of the Food System ISCE - VT PIs: A.F. Ramsey , W. Thomason, C. Griffey, M. Balota, J. Tack \$19,331	2019-2020
Econometric and Statistical Methods for the Analysis of Risk in Agriculture USDA - NIFA, Hatch Project 1016069 PIs: A.F. Ramsey	2018-2023
New Faculty Mentoring Program Virginia Tech PIs: A.F. Ramsey \$1,500	2018

GRADUATE
STUDENT
ADVISING

Ph.D. Committee Member (* Denotes Chair/Co-Chair)
Yixing Zheng*
Mariah Beverly*
Yong Liu (University of Guelph)
Ange Kakpo
Alexis Villacis-Aveiga

Minkyong Ko*

Master's Committee Member (* Denotes Chair/Co-Chair)

Ryan Spech

Grace Grossen

Yuxiao Shi*

Lauren Knaresboro

Tyler Neff

TEACHING
ACTIVITIES

Virginia Polytechnic Institute and State University, Blacksburg, VA

Instructor

FST – 5984 SS: Data Analytics for Food and Agricultural Science (1 Section)	Spring 2023
AAEC – 3004 Agricultural Production and Consumption Economics (1 Section)	Spring 2023
AAEC – 5984 SS: Advanced Econometric and Data Analytics (1 Section)	Fall 2021
AAEC – 5804G/4804 Fundamentals of Econometrics (1 Section)	Fall 2021
AAEC – 5126 Empirical Economics (1 Section)	Spring 2021
AAEC – 4434 Commodity Investing by Students (1 Section)	Spring 2021
AAEC – 5804G/4804 Fundamentals of Econometrics (1 Section)	Fall 2020
AAEC – 4204 Food and Agricultural Policy (1 Section)	Fall 2020
AAEC – 4434 Commodity Investing by Students (1 Section)	Spring 2020
AAEC – 5804G/4804 Fundamentals of Econometrics (1 Section)	Fall 2019
AAEC – 4204 Food and Agricultural Policy (1 Section)	Fall 2019
AAEC – 4434 Commodity Investing by Students (1 Section)	Fall 2019
AAEC – 5804G/4804 Fundamentals of Econometrics (1 Section)	Spring 2019
AAEC – 4434 Commodity Investing by Students (1 Section)	Spring 2019
AAEC – 4204 Food and Agricultural Policy (1 Section)	Fall 2018
AAEC – 5804G/4804 Fundamentals of Econometrics (1 Section)	Spring 2018
AAEC – 4424 Agricultural Financial Management (1 Section)	Fall 2017

North Carolina State University, Raleigh, NC

Instructor

EC 202 – Principles of Macroeconomics (2 Sections)	Fall 2015
EC 202 – Principles of Macroeconomics (2 Sections)	Fall 2014
EC 205 – Fundamentals of Economics (1 Section)	Spring 2014
EC 202 – Principles of Macroeconomics (2 Sections)	Fall 2013

Laboratory Instructor

EC 202 – Principles of Macroeconomics (3 Sections)	Spring 2015
EC 202 – Principles of Macroeconomics (3 Sections)	Spring 2013

Teaching Assistant

ARE 495 – Agribusiness Analytics (1 Section)	Fall 2016
ARE 433 – U.S. Agricultural Policy (1 Section)	Fall 2016
ARE 201 – Introduction to Agricultural and Resource Economics (1 Section)	Fall 2016
ARE 201 – Introduction to Agricultural and Resource Economics (2 Sections)	Spring 2016
ARE 133 – Agricultural and Environmental Policy (1 Section)	Spring 2016
EC 474 – Economics of Financial Institutions and Markets (1 Section)	Spring 2014
EC 301 – Intermediate Microeconomics (2 Sections)	Fall 2012

ACADEMIC
PRESENTATIONS

AAEA Annual Meeting, Anaheim, CA, Track Session	2022
<i>Linear Pooling of Potentially Related Crop Yield Densities</i> with Y. Liu	
AAEA Annual Meeting, Anaheim, CA, Track Session	2022
<i>Spatially Varying Coefficient Models</i> (Brosen, Park, Moss, Lambert)	
Texas A&M, College Station, TX, Invited Seminar	2022
<i>Railways and Grain Price Convergence in Meiji Japan</i> with T. Sonoda	
Tobacco Workers' Conference, Richmond, VA	2022
<i>No Smoke, No Fire?: Japanese Demand for Tobacco Products and Heat-not-Burn Devices</i> with C. Neill	
North Carolina State University, Raleigh, NC, EATD Seminar	2021
<i>Railways and Grain Price Convergence in Meiji Japan</i> with T. Sonoda	
2021 AAEA Annual Meeting, Track Session	2021
<i>Econometric Measurement of Production Risk</i> (Liu, Li, Lien, Di Falco, Pieralli)	

2021 IAAE Triennial Meeting, Contributed Paper <i>Aggregation and Threshold Models of Intersectoral Labor Migration: Evidence from the United States and Japan</i> with T. Sonoda and M. Ko	2021
NBER Conference on Risks in Agricultural Supply Chains <i>Labor Dynamics and Supply Chain Disruption in Food Manufacturing</i> with B. Goodwin and M. Haley	2021
SCC-76 Agricultural Risk Research Group <i>Incorporating Historical Weather Information in Crop Insurance Ratemaking</i> with Y. Liu	2021
Economic Research Service, Kansas City, MO, Online Seminar Series <i>Impacts of COVID-19 and Price Transmission in U.S. Meat Markets</i> with B. Goodwin, B. Hahn, and M. Holt	2020
American Peanut Research and Education Society, Virtual Annual Meeting, Breakout Session <i>Impact of Climate on Quantity and Quality of Virginia-Type Peanut</i> with M. Balota and J. Tack	2020
University of Kentucky, Lexington, KY, Invited Seminar <i>Genetic Improvement and Technological Change Under Quality Constraints in Flue-Cured Tobacco</i> with M. Vann, R. Lewis, and R. Rejesus	2020
Tobacco Workers' Conference, Louisville, KY <i>Trends in Flue-Cured Tobacco Breeding, 1954-2018</i> with M. Vann, R. Lewis, W. Foote, R. Rejesus	2020
Tobacco Workers' Conference, Louisville, KY <i>Simple Economics of a Nicotine Standard for Combusted Cigarettes</i>	2020
University of Guelph, Guelph, CA, Invited Seminar <i>Bayesian Threshold Models for von Liebig Production Functions</i> with K. Moeltner and C. Neill	2019
AAEA Annual Meeting, Atlanta, GA, Track Session <i>Bayesian Econometrics in Agricultural Economics</i> (Ramsey, Holloway, Dorfman, Park)	2019
University of Kyoto, Kyoto, JP, Invited Seminar <i>Bayesian Plateau Production Functions</i> with K. Moeltner and C. Neill	2019
University of Tokyo, Tokyo, JP, Invited Seminar <i>Bayesian Plateau Production Functions</i> with K. Moeltner and C. Neill	2019
4th International Workshop on Agriculture and Economic Development in Memory of Yair Mundlak, Hebrew University of Jerusalem, Rehovot, IL <i>Bayesian Plateau Production Functions</i> with K. Moeltner and C. Neill	2019
Asian Growth Research Institute, Kitakyushu, JP Invited Seminar <i>Temporary Migration and Food Consumption of Agricultural Households in Vietnam</i> with S. Chen and T. Sonoda	2018
Workshop on Japanese Agricultural Policy, Meiji University, JP <i>Innovation and Distributional Change in Crop Yields</i>	2018
Southern Economic Association, Organized Session <i>Bayesian Analysis of Mixture Copulas</i>	2018
Southern Economic Association, Organized Session <i>Temporary Migration and Food Consumption of Agricultural Households in Vietnam</i> with S. Chen and T. Sonoda	2018
2018 IAAE Triennial Meeting, Organized Session <i>Advances in Nonlinear Time Series Econometrics</i> (Frank, Holt, Ker, Larue, Lu)	2018
2018 IAAE Triennial Meeting, Contributed Paper <i>Innovation and Distributional Change in Crop Yields</i>	2018
SCC-76 Agricultural Risk Research Group <i>Bayesian Model Averaging for Copulas: An Application to Dependence Between Crop Yields and Futures Prices</i> with E. Park and X. Li	2018
Peking University, Beijing, CN CCAP Seminar <i>Conditional Distributions of Crop Yields: A Bayesian Approach for Characterizing Technological Change</i>	2018
Beijing Institute of Technology, Beijing, CN, Invited Seminar <i>Conditional Distributions of Crop Yields: A Bayesian Approach for Characterizing Technological Change</i>	2018
University of Sydney, Sydney, AU, AERE Lunch Seminar <i>How High the Hedge?: Relationships between Prices and Yields in the Federal Crop Insurance Program</i>	2017
AARES Annual Meeting, Brisbane, AU, Contributed Paper <i>Rating Exotic Price Coverage in Crop Revenue Insurance</i> with B. Goodwin and S. Ghosh	2017

	Southern Economic Association Annual Meeting, Washington D.C., Program Session <i>Copula Models for Exotic Price Coverage in Crop Revenue Insurance</i>	2016
	Int. Conf. on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC, Academic Session <i>How High the Hedge?: Relationships between Prices and Yields in the Federal Crop Insurance Program</i> with B. Goodwin and S. Ghosh	2016
	AAEA Annual Meeting, Boston, MA, Track Session <i>Accounting for Dependence in the Federal Crop Insurance Program</i> with B. Goodwin	2016
	AAEA Annual Meeting, San Francisco, CA, Selected Paper <i>Productivity and Exits from Farming in Japan</i> with T. Sonoda	2015
	AAEA Annual Meeting, San Francisco, CA, Selected Paper <i>Rating Exotic Price Coverage in Crop Revenue Insurance</i> with B. Goodwin	2015
	AAEA Annual Meeting, San Francisco, CA, Selected Poster <i>Dependence in Spikes of Energy and Agricultural Prices</i>	2015
	AAEA Annual Meeting, Minneapolis, MN, Selected Paper <i>An Application of Kernel Density Estimation via Diffusion to Group Yield Insurance</i>	2014
	AAEA Annual Meeting, Minneapolis, MN, Track Session <i>Semi-Parametric Density Estimation of Crop Yield Distributions: Bridging the Gap between Parametric Mixtures and Variable Bandwidth Kernel Densities</i> with B. Goodwin	2014
PROFESSIONAL PRESENTATIONS	Agricultural Policy and Market Outlook Forum <i>Tobacco, Peanuts, and Hemp Outlook and Situation</i>	2022
	30th Tri-National Agricultural Accord of NASDA, Arlington, VA <i>Cyber Security - Challenges confronting North American Agriculture</i>	2021
	Peanut and Pork Virtual Field Tour, Suffolk, VA <i>Impact of Climate on Quantity and Quality of Virginia-Type Peanut</i> with M. Balota and J. Tack	2020
	Agricultural Policy and Market Outlook Forum <i>Industrial Hemp Outlook and Situation</i>	2020
	Industrial Hemp Production Meeting, Suffolk, VA <i>Industrial Hemp Outlook and Situation</i>	2020
	Flue-Cured Tobacco Production Meeting, Sutherlin, VA <i>Trends in Flue-Cured Tobacco Breeding, 1954-2018</i>	2020
	Agricultural Policy Dinner, Chatham, VA <i>Contemporary Agricultural Policy and International Trade</i>	2019
	Northern Piedmont Crop Production Conference, Graves Mill, VA <i>2019 Farm Bill Overview and Agriculture Trade</i>	2018
	AEMMP Program Team Meeting, Blacksburg, VA <i>Faculty Introduction</i>	2017
PROFESSIONAL AND DEPARTMENT SERVICE	Editorial Advisory Board, <i>Agricultural Finance Review</i>	2021 - Present
	Platform Leader, Center for Adv. Innovation in Ag.	2020 - Present
	Secretary/Treasurer and Chair-Elect, AAEA Econometrics Section	2020 - Present
	Member, AAEC Faculty, Staff, and Alumni Awards Committee	2022 - Present
	Member, CALS Committee on Academic Program Policy	2020 - 2022
	Economics Ph.D. Qualifying Exam Grader	2019 - Present
	Co-Advisor, Commodity Investing by Students (COINS)	2017 - Present
	Organizer, AAEA Annual Meeting, ARA Selected Presentations	2021 - 2022
	Member, AAEA - ARA Best Paper Award Committee	2022
	Member, AAEC/ECON Graduate Coordinating Committee	2020 - 2021
	Member, SmartFarm Innovation Network Task Force	2020
	Chair, AAEC Seminar Committee	2018 - 2020
	Member, Commonwealth Cyber Initiative SWVA Node Working Group	2019 - 2020
	Member, AAEC Graduate Program Committee	2017 - 2019
	Member, AAEC Search Committee	2018 - 2019
	Member, Virginia Tech Faculty Senate	2017 - 2019
	Member, Virginia Tech Employee Benefits Committee	2018 - 2019
REFeree	American Journal of Agricultural Economics, Agricultural Economics, Geneva Papers on Risk and Insurance, Economic Development and Cultural Change, Journal of Agricultural Economics, Journal of Agricultural and Resource Economics, Journal of Agricultural and Applied Economics, Agricul-	

tural Finance Review, Food Policy, Applied Economic Perspectives and Policy, Agricultural and Resource Economics Review, Journal of the Agricultural and Applied Economics Association, Empirical Economics, Review of Industrial Organization, Agrekon, Agricultural and Food Economics, Precision Agriculture, Agribusiness, Climatic Change, International Journal of Disaster Risk Reduction, International Food and Management Review, Agronomy, Asia & the Pacific Policy Studies, Spatial Statistics, Risks, Polish National Science Foundation, National Science Foundation, National Institute of Food and Agriculture

MISCELLANY

Programming: R, SAS, Julia, L^AT_EX

Languages: English, Spanish (Intermediate), Mandarin Chinese (Basic)

Memberships: SCC-76 Ag. Risk Group, Agricultural and Applied Economics Association, American Economic Association, International Association of Agricultural Economists, International Association for Applied Econometrics, American Risk and Insurance Association

REFERENCES

Dr. Barry Goodwin

William Neal Reynolds Professor

Department of Economics

North Carolina State University

Raleigh, NC

phone: 919-515-4620

e-mail: bkgoodwi@ncsu.edu

Dr. Sujit Ghosh

Professor

Department of Statistics

North Carolina State University

Raleigh, NC

phone: 919-515-1950

e-mail: sujit.ghosh@ncsu.edu

Dr. Jesse Tack

Professor

Department of Ag. Econ.

Kansas State University

Manhattan, KS

phone: 785-532-4443

e-mail: jtack@ksu.edu

Dr. Tadashi Sonoda

Professor

Graduate School of Economics

Nagoya University

Nagoya, Japan

phone: 81-52-789-2386

e-mail: sonoda@soec.nagoya-u.ac.jp