

Austin Ford Ramsey

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| 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. , 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. <i>Frontiers in Bioengineering and Biotechnology</i> . 7(63) 1–7. | |

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| | <p>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. <i>Journal of Agricultural and Resource Economics</i>. 44(2) 227–245.</p> <p>Ramsey, A.F., Ghosh, S.K., and Sonoda, T. (2019). Saying Sayonara to the Farm: Hierarchical Bayesian Modeling of Farm Exits in Japan. <i>Journal of Agricultural Economics</i>. 70(2) 372–391.</p> |
| BOOKS AND MONOGRAPHS | <p>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.) <i>Risks in Agricultural Supply Chains</i>. University of Chicago Press.</p> <p>Goodwin, B.K., Ramsey, A.F., and Chvosta, J. (2018). <i>Applied Econometrics with SAS: Modeling Demand, Supply, and Risk</i>. Cary, NC: SAS Institute Inc.</p> |
| OTHER PUBLICATIONS | <p>Ramsey, A.F. and Isengildina-Massa, O. (2020). Evaluation of Learning Outcomes from Participation in a Student-Managed Commodity Investment Fund. <i>Applied Economics Teaching Resources</i>. 2(6) 1–13.</p> <p>Ramsey, A.F. (2019). Nicotine Standards for Combusted Tobacco Products Could Have Major Economic Impacts on Tobacco Growers. <i>Choices</i>. 34(3).</p> <p>Santeramo, F.G. and Ramsey, A.F. (2017). Crop Insurance in the European Union: Lessons and Caution from the United States. <i>EuroChoices</i>. 16(3).</p> <p>Ramsey, A.F. and Santeramo, F.G. (2016). La domanda di assicurazione nell’Unione europea: riflessioni sull’esperienza degli Stati Uniti. <i>Agriregionieuropa</i>. 12(47).</p> |
| WORKING PAPERS | <p><i>Aggregation and Linearity in Intersectoral Labor Migration: Evidence from the United States and Japan</i> with M. Ko and T. Sonoda</p> <p><i>Incorporating Historical Weather Information in Crop Insurance Rating</i> with Y. Liu</p> <p><i>Railways and Grain Price Convergence in Meiji Japan</i> with T. Sonoda</p> <p><i>No Smoke, No Fire?: Japanese Demand for Tobacco Products and Heat-Not-Burn Devices</i> with C. Neill</p> |
| WORK IN PROGRESS | <p><i>Bayesian Estimation of Zero Inflated Stochastic Frontiers</i> with S. Ghosh</p> |
| GRANTS, CONTRACTS, AND CONTRIBUTIONS | <p>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</p> <p>Competitive FTA Scenarios, “Natural” Trading Levels, and the Role of Trade in Climate Change and Environmental Shocks USDA-OCE PIs: J. Grant, C. Emlinger, G. Davis, A.F. Ramsey, M. Marchant, D. Orden \$300,000</p> <p>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</p> <p>Team Development for Cyberbiosecurity Guidelines for SmartFarms 2021 CAIA-VT PIs: A.F. Ramsey, P. Sforza, H. Seyyedhasani, B. Posadas, R. Gerdes, T. Chantem, R. Murch, S. Duncan \$1,000</p> <p>John Lee Pratt Graduate Fellowship 2020 - 2022 CALs-VT PIs: A.F. Ramsey, R. White \$100,000</p> <p>COVID-19 Rapid Response: Coronavirus Disease 2019, Price Transmission, and the Farm-Retail</p> |

Price Spread in U.S. Livestock 2020 - 2022
USDA-NIFA
PIs: **A.F. Ramsey**, B. Goodwin, M. Holt
\$293,524

Faculty Teaching Group Grant 2020 - 2021
Center for Excellence in Teaching and Learning - VT
PIs: **A.F. Ramsey**, R. White, S. Stewart, J. Lahne, C. Wright
\$1,750

Commonwealth Cyber Initiative (CCI) SWVA Node Request for Resources FY20-FY21 2020-2021
State Council of Higher Education for Virginia
PIs: Gretchen Matthews
\$2,999,998

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 2019-2020
ICAT - VT
PIs: S. Duncan, T. Drape, M. Ellis, N. Meng, D. Yao, B. Zhang, **A.F. Ramsey**, W. Thomason, M. Stamper
\$4,500

Three-State Data Science for the Public Good Coordinated Innovation Network 2019-2022
USDA-NIFA
PIs: M. Holt, S. Keller, M. Lambur, S. Chen, C. Haskins, B. Tyler, M. Faison, **A.F. Ramsey**
\$280,000

A Question of Quality: Climate and the Economics of the Food System 2019-2020
ISCE - VT
PIs: **A.F. Ramsey**, W. Thomason, C. Griffey, M. Balota, J. Tack
\$19,331

Econometric and Statistical Methods for the Analysis of Risk in Agriculture 2018-2023
USDA - NIFA, Hatch Project 1016069
PIs: **A.F. Ramsey**

New Faculty Mentoring Program 2018
Virginia Tech
PIs: **A.F. Ramsey**
\$1,500

GRADUATE
STUDENT
ADVISING

Ph.D. Committee Member (* Denotes Chair/Co-Chair)

Fayu Chong*
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

| | |
|---|-------------|
| 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

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| 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

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

Teaching Assistant

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| 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

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| 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 | 2021 |
| <i>Aggregation and Threshold Models of Intersectoral Labor Migration: Evidence from the United States and Japan</i> with T. Sonoda and M. Ko | |
| NBER Conference on Risks in Agricultural Supply Chains | 2021 |
| <i>Labor Dynamics and Supply Chain Disruption in Food Manufacturing</i> with B. Goodwin and M. Haley | |
| SCC-76 Agricultural Risk Research Group | 2021 |
| <i>Incorporating Historical Weather Information in Crop Insurance Ratemaking</i> with Y. Liu | |
| Economic Research Service, Kansas City, MO, Online Seminar Series | 2020 |
| <i>Impacts of COVID-19 and Price Transmission in U.S. Meat Markets</i> with B. Goodwin, B. Hahn, and M. Holt | |
| American Peanut Research and Education Society, Virtual Annual Meeting, Breakout Session | 2020 |
| <i>Impact of Climate on Quantity and Quality of Virginia-Type Peanut</i> with M. Balota and J. Tack | |
| University of Kentucky, Lexington, KY, Invited Seminar | 2020 |
| <i>Genetic Improvement and Technological Change Under Quality Constraints in Flue-Cured Tobacco</i> with M. Vann, R. Lewis, and R. Rejesus | |
| Tobacco Workers' Conference, Louisville, KY | 2020 |
| <i>Trends in Flue-Cured Tobacco Breeding, 1954-2018</i> with M. Vann, R. Lewis, W. Foote, R. Rejesus | |

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| 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 Advances in Nonlinear Time Series Econometrics (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 |

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| PROFESSIONAL PRESENTATIONS | 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, CALS Committee on Academic Program Policy | 2020 - Present |
| | 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, 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, Agricultural 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, Precision Agriculture, Agribusiness, Climatic Change, International Journal of Disaster Risk Reduction, International Food and Management Review, Agronomy, Asia & the Pacific Policy Studies, Risks, Polish National Science Foundation, National Science Foundation, National Institute of Food and Agriculture | |
| MISCELLANY | Programming: R, SAS, Julia, L ^A T _E X 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. Jesse Tack

Professor
Department of Ag. Econ.
Kansas State University
Manhattan, KS
phone: 785-532-4443
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Dr. Sujit Ghosh

Professor
Department of Statistics
North Carolina State University
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Dr. Tadashi Sonoda

Professor
Graduate School of Economics
Nagoya University
Nagoya, Japan
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e-mail: sonoda@soec.nagoya-u.ac.jp