

Seungmin (Min) Lee

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Applied Economics and Management
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Fields

Applied Microeconometrics, Development Economics, Public Policy.

Education

Ph.D. Applied Economics and Management, Cornell University, 2018–2024 (expected).

Dissertation Committee: Christopher B. Barrett (Chairperson), John Hoddinott, Nicolas L. Bottan

B.S. Mathematics and Economics (Double Major), University of Michigan in Ann Arbor, 2014.

Publications

Seungmin Lee, Christopher B. Barrett, John F. Hoddinott, "Food Security Dynamics in the United States: 2001-2017" August 2023. (Forthcoming at *the American Journal of Agricultural Economics*)

This paper studies household food security dynamics in the U.S. from 2001 to 2017. We introduce a new measure, the probability of food security (PFS), the estimated probability that a household's food expenditures equal or exceed the minimum cost of a healthful diet. We find that a little more than half of households that become newly food insecure resume food security within two years. We also find that households headed by female, non-White, or less educated individuals disproportionately suffer persistent, chronic food insecurity.

Working Papers

Ndèye Fatou Faye, Amy Faye, Mouhammed Rassoul Sy, Seungmin Lee, John McPeak, "Domestic or Imported: An Analysis of Rice Demand in Senegal" January 2022.

Seungmin Lee, Kibrom A. Abay and Chris B. Barrett. "Estimating Multidimensional Development Resilience" August 2023.

Seungmin Lee, John Hoddinott, Chris Barrett, and Matthew Rabbit, "The Probability of Food Security: A new longitudinal data set using the Panel Study of Income Dynamics" September 2023.

Work in Progress

Poverty Dynamics in Peru: a Data-Driven Approach Using Synthetic Panel - with Hongdi Zhao

SNAP's Effects on Food Security Dynamics

Estimates of US Food Insecurity Dynamics: Measuring Food Insecurity Across the US with a New Synthetic Panel Approach - with Senan Hogan-Hennessy and Chris Barrett

Awards

George F. Warren Award (First Place), for the best graduate student research paper, Dyson School, Cornell University (2022)

Employment

Graduate Research Assistant, Cornell University, 2019-

Food Security Dynamics in the United States: analyzed household-level food security dynamics by constructing a new complementary food security measurement which tracks households for 20 years (Supervisor: Christopher B. Barrett and John Hoddinott, Cornell University)

Consultant, Development Impact Evaluation, World Bank 2016–2018

Targeting Ultra-Poor in Afghanistan: analyzed the gap between ultra-poor households and non-ultra-poor households in Afghanistan by constructing and analyzing socioeconomic variables from the baseline survey conducted in the field (Supervisor: Aidan Coville and Guadalupe Bedoya, World Bank)

The Kenya Patient Safety Impact Evaluation (KePSIE): validated online monitoring system, which monitors health facilities in Kenya and provides feedback in real-time, whether the system properly generates the inspection scores and displays the results (Supervisor: Aidan Coville and Guadalupe Bedoya, World Bank)

Research Analyst, Innovations for Poverty Action 2015–2016

Encouraging Seasonal Migration in Rural Bangladesh: analyzed the effectiveness of seasonal migration in reducing poverty and evaluated the best migration treatment among multiple treatments conducted in randomized control trial (Supervisor: Mushfiq Mobarak, Yale University)

Increasing Demand for Hygienic Latrines in Bangladesh: Conducted econometric analyses with different regression models, explaining how different treatments and social network affect households' hygienic latrine investment decisions in Bangladesh (Supervisor: Mushfiq Mobarak, Yale University)

Teaching Experience

Cornell University

Teaching Assistant

Managerial Economics (AEM 2600) - Fall 2019 (Instructor: Benjamin Leyden)

International Trade and Finance (AEM 2300) - Spring 2020 (Instructor: David Lee)

Applied Econometrics (AEM 6120) - Fall 2022 (Instructor: Brian Dillon)

Master's Math Camp - Summer 2023

Mentorship

Structural Transformation of African Agriculture and Rural Spaces+ (STAARS+) - 2020–2021

Co-mentored program fellows in writing a paper "Domestic or imported? An analysis of rice demand in Senegal"

Conference Presentations, Invited Talks

2023: USDA ERS (Jan 2023), Agricultural and Applied Economics Association (AAEA) Annual Meeting (July 2023), USDA/ERS - University of Nebraska Food Security Symposium (Sep 2023), Association for Public Policy Analysis and Management (APPAM) Fall Conference (poster session, Nov 2023)

2022: Agricultural and Applied Economics Association (AAEA) Annual Meeting (August 2022), The Panel Study of Income Dynamics Annual User Conference (September 2022), Southern Economic Association (SEA) 92nd Annual Meeting (November 2022)

2021: International Conference of Agricultural Economists, Center for Poverty Research Workshop at the University of Kentucky

References

Dissertation Committee

Christopher B. Barrett, Stephen B. & Janice G. Ashley Professor of Applied Economics and Management International Professor of Agriculture, Charles H. Dyson School of Applied Economics and Management, Cornell University, cbb2@cornell.edu

John Hoddinott, H.E. Babcock Professor of Food & Nutrition Economics and Policy, Division of Nutritional Sciences, Cornell University, jfh246@cornell.edu

Nicholas Bottan, Assistant Professor, Jeb E. Brooks School of Public Policy, nlb75@cornell.edu

Other Reference Providers

Kibrom Abay, Senior Research Staff, International Food Policy Research Institute, K.Abay@cgiar.org

Brian Dillon, Assistant Professor of Development Economics and Applied Econometrics, Charles H. Dyson School of Applied Economics and Management, Cornell University, bmd28@cornell.edu