

Michael S. Delgado

Curriculum Vitae
March 2019

Contact Information

Department of Agricultural Economics
Purdue University
West Lafayette, IN 47907
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Professional Appointments

Associate Professor, Department of Agricultural Economics, Purdue University, 2017-present
Assistant Professor, Department of Agricultural Economics, Purdue University, 2012-2017

Education

Ph.D. Economics, Binghamton University, 2012
M.A. Economics, Binghamton University, 2009
B.S. Economics, *cum laude*, University of the Pacific, 2007

Areas of Concentration

Applied Econometrics

– Nonparametric Econometrics, Spatial/Network Econometrics, Causal Modeling

Environmental Economics

– Voluntary Pollution Abatement, Water Resources, Environmental Policy

Economic Growth and Development

– Foreign Direct Investment, Regional Poverty, Transportation Infrastructure

Agricultural Economics

– Chinese Agricultural Economic Issues

Funded Research Grants

1. Purdue College of Agriculture, Diversity Transformation Collaboration Mini-Grant Program, 2018, \$7,000 (with K. Liang, NC A&T)
2. Purdue Research Foundation, Summer Faculty Research Grant, 2017
3. Purdue Research Foundation Award, 9/2016-5/2017, one year graduate assistant support
4. USDA Innovation Research Grant, 4/2015-9/2017, collaboration between Purdue Ag Econ, Purdue PCRD and ERS, \$298,500
5. USDA NIFA, 12/2014-11/2018, with Maria I. Marshall (PI) and Craig Dobbins, \$471,000
6. Purdue Research Foundation Award, 9/2014-5/2015, one year graduate assistant support
7. Agricultural Research at Purdue, 8/2013-5/2015, two years graduate assistant support

Journal Articles

1. “Good News for Environmental Self-Regulation? Finding the Right Link,” with Yanbing Wang, Neha Khanna and Vicki L. Bogan, *Journal of Environmental Economics and Management*, accepted.
2. “Spatial Difference-in-Differences Regression for Multiple Binary Treatments” with Eleni Bardaka and Raymond J. G. M. Florax, *Transportation Research Part A: Policy and Practice*, 2019, 121, 325-245.
3. “Hierarchy and Spatial Contagion: Population in American Cities Between 1990 and 2010,” with Elizabeth A. Dobis, Raymond J. G. M. Florax and Peter Mulder. *Journal of Economic Geography*, accepted.
4. “Smooth Coefficient Models with Endogeneous Environmental Variables,” with Deniz Ozabaci, Yiguo Sun and Subal C. Kumbhakar, *Econometric Reviews*, accepted.
5. “On the Efficacy of Open Educational Resources: Parametric and Nonparametric Analyses of a University Calculus Class,” with Huimei Delgado and John Hilton III, *International Review of Research in Open and Distributed Learning*, accepted.
6. “Traditional Attributes Moo-ve Over for Some Consumer Segments: Relative Ranking of Fluid Milk Attributes,” with Courtney Bir, Nicole O. Widmar and Christopher Wolf, *Appetite*, 2019, 134, 162-171.
7. “Downscaling of National Crop Area Statistics Using Drivers of Cropland Productivity Measured at Fine Resolutions,” with Jingyu Song, Paul V. Preckel and Nelson B. Villoria, *PLoS ONE*, 2019, 13, 1-27.
8. “Causal Identification of Transit-Induced Gentrification and Spatial Spillover Effects: The Case of the Denver Light Rail,” with Eleni Bardaka and Raymond J. G. M. Florax, *Journal of Transport Geography*, 2018, 71, 15-31.
9. “Does a Stronger System of Law and Order Constrain the Effects of Foreign Direct Investment on Government Size?” with Nadine McCloud and Chanit’a Holmes, accepted by *European Journal of Political Economy*.
10. “Foreign Direct Investment and Growth Symbiosis: A Semiparametric System of Simultaneous Equations Analysis with Instrumental Variables,” with Nadine McCloud and Subal C. Kumbhakar, accepted by *Journal of Econometric Methods*.
11. “Is Working with Your Spouse Good for Business? The Effect of Working with Your Spouse on Profit for Rural Businesses,” with Tia M. McDonald and Maria I. Marshall, *Journal of Family and Economic Issues*, 2017, 38, 477-493.
12. “Foreign Direct Investment and the Domestic Capital Stock: The Good-Bad Role of Higher Institutional Quality,” with Nadine McCloud, *Empirical Economics*, 2017, 53, 1587-1637.
13. “Benefit or Damage? The Productivity Effects of FDI in the Chinese Food Industry,” with Shaosheng Jin, Haiyue Guo and H. Holly Wang, *Food Policy*, 2017, 68, 1-9, lead article.

14. "Are Local Market Relationships Undermining Organic Fruit and Vegetable Certification? A Bivariate Probit Analysis," with Ariana P. Torres, Maria I. Marshall and Corrine E. Alexander, *Agricultural Economics*, 2017, 48, 197-205.
15. "Finite Sample Performance of Specification Tests for Correlated Random Effects Quantile Panel Regressions," with Samiul S. Haque, *Applied Economics Letters*, 2017, 24, 515-519.
16. "A Test on Adverse Selection of Farmers in Crop Insurance: Results from Inner Mongolia in China," with Yuanfeng Zhao, Zhihui Chai and Paul V. Preckel, *Journal of Integrative Agriculture*, 2017, 16, 478-485.
17. "The Cost of Unconventional Gas Extraction: A Hedonic Analysis," with Todd Guilfoos and Andrew Boslett, *Resource and Energy Economics*, 2016, 46, 1-22, lead article.
18. "Dynamic Adjustment in Agricultural Practice to Economic Incentives Aiming to Decrease Fertilizer Application," with Shanxia Sun and Juan P. Sesmero, *Journal of Environmental Management*, 2016, 177, 192-201.
19. "An Empirical Analysis of the Effect of Crop Insurance on Farmers' Income: Results from Inner Mongolia in China," with Yuanfeng Zhao, Zhihui Chai and Paul V. Preckel, *China Agricultural Economic Review*, 2016, 8, 299-313.
20. "Difference-in-Difference Techniques for Spatial Data: Local Autocorrelation and Spatial Interaction," with Raymond J. G. M. Florax, *Economics Letters*, 2015, 137, 123-126.
21. "Future Property Damage from Flooding - Sensitivities to Economy and Climate Change" with Jing Liu, Thomas Hertel, Moetasim Ashfaq and Noah Diffenbaugh, *Climatic Change*, 2015, 132, 741-749.
22. "Evolution of the Global Distribution of Carbon Dioxide: A Finite Mixture Analysis," with Michele Battisti and Christopher F. Parmeter, *Resource and Energy Economics*, 2015, 42, 31-52.
23. "Quantifying the Effects of Underground Natural Gas Storage on Nearby Residents," with Michaela Jellicoe, *Agricultural and Resource Economics Review*, 2015, 44 (2), 59-82.
24. "Voluntary Pollution Abatement and Regulation," with Neha Khanna, *Agricultural and Resource Economics Review*, 2015, 44, 1-20, lead article.
25. "The Value of Environmental Status Signaling," with Jessica Harriger and Neha Khanna, *Ecological Economics*, 2015, 111 (1), 1-11, lead article.
26. "Should All Microfinance Institutions Mobilize Microsavings? Evidence from Economics of Scope," with Christopher F. Parmeter, Valentina Hartarska and Roy Mersland, *Empirical Economics*, 2015, 48 (1), 193-225.
27. "A Generalized Empirical Model of Corruption, Foreign Direct Investment, and Growth," with Nadine McCloud and Subal C. Kumbhakar, *Journal of Macroeconomics*, 2014, 42 (1), 298-316.
28. "The Transition to Modern Agriculture: Contract Farming in Developing Countries," with H. Holly Wang and Yanbing Wang, *American Journal of Agricultural Economics*, 2014, 96 (5), 1257-1271.

29. “A Simple Estimator for Partial Linear Regression with Endogenous Nonparametric Variables,” with Christopher F. Parmeter, *Economics Letters*, 2014, 124 (1), 100-103.
30. “Does Education Matter for Economic Growth?” with Daniel J. Henderson and Christopher F. Parmeter, *Oxford Bulletin of Economics and Statistics*, 2014, 76 (3), 334-359.
31. “Embarrassingly Easy Embarrassingly Parallel Processing in R,” with Christopher F. Parmeter, *Journal of Applied Econometrics*, 2013, 28 (7), 1224-1230.
32. “A Smooth Coefficient Model of Carbon Emissions” *Empirical Economics*, 2013, 45 (3), 1049-1071.
33. “Productivity in China’s High Technology Industry: Regional Heterogeneity and R&D” with Rui Zhang, Kai Sun and Subal C. Kumbhakar, *Technological Forecasting and Social Change*, 2012, 79, 127-141.
34. “Another Round of Fraternity Membership and Binge Drinking,” with Lori B. Anderson, *Journal of Economic and Social Measurement*, 2010, 35, 129-147.

Book Chapters

1. “Tax Increment Financing and Spatial Spillovers,” with Anita Yadavalli, *Tax Increment Financing and Economic Development: Uses, Structures, and Impact*, 2nd Edition, eds Craig L. Johnson and Kenneth A. Kriz, SUNY Press, 2018.
2. “Fixed versus Random: The Hausman Test Four Decades Later” with Shahram Amini, Daniel J. Henderson and Christopher F. Parmeter, *Advances in Econometrics: Essays in Honor of Jerry Hausman*, 2012, 29, 479-513.

Policy Briefs

1. “Quantifying the Risks of Underground Natural Gas Storage” with Michaela Jellicoe, *National Agricultural and Rural Development Center (NARDeP)*, Brief 24, June 2014.

In Submission

1. “Third Party Verification and the Effectiveness of Voluntary Pollution Abatement Programs: Evidence from Responsible Care” with Martina Vidovic and Neha Khanna, *revise and re-submit*.
2. “Domestic Interest Rate and Foreign Direct Investment under Institutional Uncertainty,” with Nadine McCloud, *revise and resubmit*.
3. “Hybrid Vehicles and Household Behavior: Implications for Miles Traveled and Gasoline Consumption,” with Shanxia Sun and Neha Khanna, *revise and resubmit*.
4. “Socially Responsible Investing and Cost of Equity Capital,” with Yanbing Wang and Jin Xu.
5. “Mobility in Economic Status Among People and Places,” with Tim Smith et al.
6. “Impact of Ethanol Plant Spatial Competition on Local Corn Production: A Spatially Explicit Analysis,” with Yanbing Wang, Benjamin Gramig and Juan Sesmero, *revise and re-submit*.

In Progress

1. “Urban Settlement in the United States: Birth, Location, and Growth of Incorporated Places,” with Elizabeth A. Dobis, Raymond J. G. M. Florax and Peter Mulder.

Awards

Faculty advisor for Best PhD Thesis in Agricultural Economics, 2018
Bravo Award, Department of Agricultural Economics, Purdue, 2018
Article of the Year, *Agricultural and Resource Economics Review*, 2015
Faculty advisor for Best Master’s Thesis in Agricultural Economics, 2014
Purdue College of Agriculture International Travel Grant, 2013, 2015
Graduate Student Excellence in Research Award, Binghamton, 2011-2012
Nominee for Graduate Student Excellence in Teaching Award, Binghamton, 2011-2012
AAEA Young Professional and Graduate Student Travel Grant, 2011
Graduate School Travel Grant, Binghamton, 2010, 2011
Clark Graduate Fellowship Travel Grant, Binghamton, 2010
Department of Economics Travel Grant, Binghamton, 2009, 2010, 2011
Clark Graduate Fellowship, Binghamton, 2008-2012

Seminar Presentations

Department of Economics, Texas Christian University, 2018, 2017
Department of Economics, University of Wyoming, 2018 (3 Short Course Lectures)
Department of Agricultural Economics, Kansas State University, 2017
Department of Economics, Fordham University, 2016
International Food Policy Research Institute, Washington D.C., 2015
Department of Agricultural Economics, Huazhong Agricultural University, Wuhan, China, 2015
Department of Agricultural Economics, China Agricultural University, Beijing, 2015
Department of Economics, Finance and Legal Studies, University of Alabama, 2015
Department of World Economics, Wuhan University, Wuhan, China, 2015
Department of Economics and Finance, Hebei Finance University, Baoding, China, 2014
Department of Agricultural Economics, Zhejiang University, Hangzhou, China, 2013
Department of Agricultural Economics, Renmin University, Beijing, China, 2013
Department of Economics, Beihang University, Beijing, China, 2013
Department of Agricultural Economics SHaPE Brownbag, Purdue University, 2013
Department of International Economics and Trade, Beihang University, China, 2012
Department of Agricultural Economics, Purdue University, 2012
Department of Economics, Drexel University, 2011
Department of Economics, University of Miami, 2011

Conference Presentations

WECON 2nd Annual Conference, Kingston, Jamaica, 2018
AAEA Annual Conference, Chicago, IL, 2017
8th Annual CAER-IFPRI Conference, Fuzhou, China, October 2016
NARSC Annual Conference, Portland, November 2015
7th Annual CAER-IFPRI Conference, Linan, China, October, 2015
EAERE Summer Conference, Helsinki, June 2015

Emerging Scholars Workshop, American Enterprise Institute, Washington, D.C., February 2015
IAEE Annual Conference in Asia, Beijing, China, September 2014
AAEA Annual Conference, Washington D.C., August 2013
Asian Meeting of the Econometric Society, Singapore, July 2013
Western Economics Association Conference, Seattle, WA, July 2013
China Meeting of the Econometric Society, Beijing, China, June 2013
AERE 3rd Annual Summer Conference, Banff, Canada, June 2013
ASSA Annual Conference, Chicago, IL, January 2012
Southern Economics Association Conference, Washington, D.C., November 2011
Midwest Econometrics Group Conference, University of Chicago, October 2011
Joint AAEA and NAREA Annual Meeting, Pittsburgh, PA, July 2011
AERE Inaugural Summer Conference, Seattle, WA, June 2011
Eastern Economics Association Conference, New York, NY, February 2011
12th Annual University of Colorado ERE Workshop, Vail, CO, September 2010

Other Conference Participations

Discussant and Session Chair, 10th Annual CAER-IFPRI Conference, Guangzhou, China, 2018
Session Co-Chair (3), NARSC Annual Conference, Vancouver, CA, November, 2017
Discussant, NARSC Annual Conference, Vancouver, CA, November, 2017
Discussant, NARSC Annual Conference, Minneapolis, MN, November, 2016
Discussant, 8th Annual CAER-IFPRI Conference, Fuzhou, China, October, 2016
Session Panelist, AAEA Annual Meeting, Boston, MA, July, 2016
Attendance by Invitation, NBER Workshop on Poverty Traps, Washington D.C., 2016
Discussant, 7th Annual CAER-IFPRI Conference, Linan, China, October, 2015
Session Chair, European AERE Summer Conference, Helsinki, June 2015
Discussant, Western Economics Association Conference, Seattle, WA, July 2013
Discussant, China Meeting of the Econometric Society, Beijing, China, June 2013
Session Chair and Discussant, SEA, Washington D.C., November, 2011
Discussant, EEA, New York, NY, February, 2011

Other Conferences Attended

* indicates research presented by student collaborator

RUPRI Conference on Rural Poverty*, Washing D.C., March 2018
SAEA Annual Conference, Mobile, AL, February 2017
AAEA Annual Conference*, San Francisco, CA, July 2015
AERE Summer Conference*, San Diego, CA, June 2015
AAEA Annual Conference*, Minneapolis, MN, July 2014
ASSA Annual Conference, San Diego, CA, January 2013
Heartland ERE Workshop, Urbana-Champaign, IL, November 2012
New York Camp Econometrics V, Blue Mountain Lake, NY, October 2010
Midwest Econometrics Group, Purdue University, September 2009

Teaching Experience

Purdue University

Principles of Macroeconomics, 2014-present
Applied Econometrics (PhD), 2014-present
Applied Nonparametric Econometrics (PhD), 2016-present
SHaPE Graduate Seminar (MS, PhD), 2013-present
Welfare Economics (PhD), 2013

Binghamton University

Environmental Economics, 2011, 2012
Statistical Methods, 2010, 2011
Natural Resource Economics, 2010 (TA)
Environmental Economics, 2010 (TA)
Principles of Microeconomics, 2009 (TA)

Student Supervision

Ph.D. Supervision

Courtney Bir (committee member)
Tim Smith
Jixuan Yao
Ahmad Wahdat
Rachel Wang
Jeffrey Young, 2018 (committee member)
Elizabeth Dobis, 2017 (co-chair with R. Florax)
Ayoung Kim, 2017 (co-chair with R. Florax)
Winner of Best PhD Thesis in Agricultural Economics at Purdue in 2017
Jingyu Song, 2017 (co-chair with P. Preckel)
Yanbing Wang, 2017 (co-chair with H. Wang)
Shanxia Sun, 2016 (co-chair with J. Sesmero)
Ariana Torres, 2016 (committee member)
Abdoulaye Ibrahim Mahamane Djido, 2014 (committee member)
Samiul Haque, 2014 (committee member)
Jing Liu, 2014 (committee member)

M.S. Supervision

Marieke Fenton, 2017 (committee member)
Stephen Lira, 2017 (committee member)
Chun Song, 2017 (committee member)
Rachel Wang, 2017
Nagisa Ishinabe, 2015 (committee member)
Michaela Jellicoe, 2014
Winner of Best MS Thesis in Agricultural Economics at Purdue in 2014
Jacqueline Holland, 2014 (committee member)
Jinho Jung, 2014 (committee member)

Reviewer For

Agricultural and Resource Economics Review, Agricultural Economics, American Journal of Agricultural Economics, Applied Economics Letters, Applied Economic Perspectives and Policy, Applied Mathematical Modeling, Bulletin of Economic Research, China Agricultural Economic Review, Economic Inquiry, Economics Letters, Economic Systems, Econometrics, Educational Research and Reviews, Empirical Economics, Energy Economics, Energy Policy, Food Policy, International Review of Research in Open and Distributed Learning, Journal of Agricultural and Resource Economics, Journal of the Association of Environmental and Resource Economists, Journal of Economic Growth, Journal of Human Capital, Journal of Integrative Agriculture, Journal of Regional Science, Labour Economics, Resource and Energy Economics, The Energy Journal, Kansas NSF EPSCoR, Precision Agriculture, Purdue Extension, Oxford University Press, SSRHC Canada

Professional Memberships

Agricultural and Applied Economics Association, 2011-present
Association of Environmental and Resource Economists, 2010-present
International Association of Energy Economics, 2014
Econometric Society, 2011
Eastern Economics Association, 2011
Southern Economics Association, 2011

Professional Service

Guest Editor, *Chinese Economy*, with H. H. Wang and S. Jin, 2015
AAEA Topic Leader, Econometrics Section, 2014, 2016, 2017
AAEA Abstract Reviewer, 2014, 2015

University Service

Purdue University

Prospectus Exam Chair, Agricultural Economics, 2018-present
Preliminary Exam Chair, Agricultural Economics, 2018-present
Agricultural Economics Graduate Committee, 2015-2017, 2018-present
Agricultural Economics Search Committee (2), 2017-2018
Agricultural Economics Department Head Search Committee, 2016
Agricultural Economics Prospectus Committee, Outside Examiner, 2014, 2015
Agricultural Economics Department Seminar Committee, 2014
Faculty Judge, Best Dissertation in Agricultural Economics, 2014
Agricultural Economics Department Computer Committee, 2013
Written Preliminary Exam Grading Committee, 2013
Oral Preliminary Exam Committee, 2013
Faculty Judge, Synder Memorial Lecture Student Poster Competition, 2013

Binghamton University

Graduate Student Welcome Reception, 2008-2011
Graduate Student Economics Department Evaluation Committee, 2008

References

References available upon request.