

# David Ubilava, Ph.D.

@DavidUbilava

## Areas of Interests

Climate Econometrics, Commodity Price Analysis, Nonlinear Econometric Modeling and Forecasting

## Current Appointments

- 2017- **Senior Lecturer** – School of Economics, University of Sydney
- 2018- **Co-Editor** – Food Policy (2019 Impact Factor: **4.19**)
- 2020- **Associate Editor** – Australian Journal of Agricultural and Resource Economics (2019 Impact Factor: **1.39**)

## Previous Appointments

- 2014-2016 **Lecturer** – School of Economics, University of Sydney
- 2012-2013 **Lecturer** – Department of Agricultural and Resource Economics, University of Sydney
- 2010-2012 **Post-Doctoral Researcher** – Department of Agricultural Economics, Mississippi State University
- 2005-2010 **Graduate Research Assistant** – Department of Agricultural Economics, Purdue University

## Education

- 2010 **Ph.D. in Agricultural Economics** – Purdue University (USA)
- 2006 **M.S. in Agricultural Economics** – Purdue University (USA)
- 2003 **B.S. in Economics** – Georgia State Agrarian University (Georgia)

## Research

**Google Scholar** citations: 512, h-index: 13.  
**Scopus** citations: 230, h-index: 9.

## Journal Articles

- (17) Ubilava, D., N. B. Villoria, and J. B. Tack (2019). Smooth Transitions Across Latitudes and Longitudes: An Application of a Nonlinear Panel Regression to the Climate–Economics Nexus. *Economics Letters* 182, 114–117. <https://doi.org/10.1016/j.econlet.2019.06.011>.
- (16) Ubilava, D. and M. Abdolrahimi (2019). The El Niño Impact on Maize Yields is Amplified in Lower Income Teleconnected Countries. *Environmental Research Letters* 14, 054008. <https://iopscience.iop.org/article/10.1088/1748-9326/ab0cd0>.
- (15) Ubilava, D. (2019). On the Relationship between Financial Instability and Economic Performance: Stressing the Business of Nonlinear Modelling. *Macroeconomic Dynamics* 23(1), 80–100. <https://doi.org/10.1017/S1365100516001127>.
- (14) Ubilava, D. (2018). The Role of El Niño Southern Oscillation in Commodity Price Movement and Predictability. *American Journal of Agricultural Economics* 100(1), 239–263. <https://doi.org/10.1093/ajae/aax060>.

- (13) Smith, S. C. and D. Ubilava (2017). The El Niño Southern Oscillation and Economic Growth in the Developing World. *Global Environmental Change* 45, 151–164. <https://doi.org/10.1016/j.gloenvcha.2017.05.007>.
- (12) Ubilava, D. (2017). The ENSO Effect and Asymmetries in Wheat Price Dynamics. *World Development* 96, 490–502. <https://doi.org/10.1016/j.worlddev.2017.03.031>.
- (11) Tack, J. B. and D. Ubilava (2015). Climate and Agricultural Risk: Measuring the Effect of ENSO on U.S. Crop Insurance. *Agricultural Economics* 46(2), 245–257. <https://doi.org/10.1111/agec.12154>.
- (10) Ubilava, D. (2014). El Niño Southern Oscillation and the Fishmeal–Soya Bean Meal Price Ratio: Regime-Dependent Dynamics Revisited. *European Review of Agricultural Economics* 41(4), 583–604. <https://doi.org/10.1093/erae/jbt033>.
- (9) Tack, J. B. and D. Ubilava (2013). The Effect of El Niño Southern Oscillation on U.S. Corn Production and Downside Risk. *Climatic Change* 121(4), 689–700. <https://link.springer.com/article/10.1007/s10584-013-0918-x>.
- (8) Ubilava, D. and C. G. Helmers (2013). Forecasting ENSO with a Smooth Transition Autoregressive Model. *Environmental Modelling & Software* 40(1), 181–190. <https://doi.org/10.1016/j.envsoft.2012.09.008>.
- (7) Ubilava, D. and M. T. Holt (2013). El Niño Southern Oscillation and its Effects on World Vegetable Oil Prices: Assessing Asymmetries using Smooth Transition Models. *Australian Journal of Agricultural and Resource Economics* 57(2), 273–297. <https://doi.org/10.1111/j.1467-8489.2012.00616.x>.
- (6) Ubilava, D. (2012). El Niño, La Niña, and World Coffee Price Dynamics. *Agricultural Economics* 43(1), 17–26. <https://doi.org/10.1111/j.1574-0862.2011.00562.x>.
- (5) Ubilava, D. (2012). Modeling Nonlinearities in the U.S. Soybean-to-Corn Price Ratio: A Smooth Transition Autoregression Approach. *Agribusiness: an International Journal* 28(1), 29–41. <https://doi.org/10.1002/agr.20292>.
- (4) Ubilava, D., B. J. Barnett, K. H. Coble, and A. Harri (2011). The SURE Program and Its Interaction with Other Federal Farm Programs. *Journal of Agricultural and Resource Economics* 36(3), 630–648. <https://jareonline.org/articles/the-sure-program-and-its-interaction-with-other-federal-farm-programs/>.
- (3) Ubilava, D., K. A. Foster, J. L. Lusk, and T. Nilsson (2011). Differences in Consumer Preferences when Facing Branded versus Non-branded Choices. *Journal of Consumer Behaviour* 10(2), 61–70. <https://doi.org/10.1002/cb.349>.
- (2) Ubilava, D., K. A. Foster, J. L. Lusk, and T. Nilsson (2010). Effects of Income and Social Awareness on Consumer WTP for Social Product Attributes. *Technological Forecasting and Social Change* 77(4), 587–593. <https://doi.org/10.1016/j.techfore.2009.02.002>.
- (1) Ubilava, D. and K. A. Foster (2009). Quality certification vs. product traceability: Consumer preferences for informational attributes of pork in Georgia. *Food Policy* 34(3), 305–310. <https://doi.org/10.1016/j.foodpol.2009.02.002>.

### **Working Papers**

Ubilava, D. and A. D. Smith (revision requested). *The Signal and the Noise of Short-term Climate Forecasts: Evidence from Grain Futures Markets*.

Ubilava, D. (in submission). *Direct and Iterated Multi-Step Smooth Transition Autoregressive Methods for Commodity Price Forecasting*.

Hastings, J. V., S. Phillips, D. Ubilava, and A. Vasnev (in submission). *Price Transmission in Failed States: Evidence from Cereal Markets of Somalia*.

Ubilava, D. (in preparation). *Commodity Price Shocks and the Seasonality of Civil Unrest*.

### ***Invited Seminars and Conference Presentations***

2020	Strengthening Understanding of the Economic Impacts of Climate Change (LSE, UK; virtual workshop); Australian National University (virtual seminar); ANZESG 2020 Annual Meeting (Melbourne, Australia).
2019	AAEA 2019 Annual Meeting (Atlanta, USA); 2019 Workshop on Energy Economics (Seoul, Korea); AARES 2019 Annual Meeting (Melbourne, Australia).
2018	AAEA 2018 Annual Meeting (Washington DC, USA); ANZESG 2018 Annual Meeting (Brisbane, Australia); AARES 2018 Annual Meeting (Adelaide, Australia).
2017	Climate Econometrics 2017 Annual Meeting (Oxford, UK); Kansas State University; UC Davis; UC Berkeley.
2016	AAEA 2016 Annual Meeting (Boston, USA); ESAM 2016 Annual Meeting (Sydney, Australia); Oklahoma State University; University of Illinois; University of Minnesota.
2015	ANZESG 2015 Annual Meeting (Brisbane, Australia); University of Adelaide; University of Pretoria; Tbilisi State University.
2014	AAEA 2014 Annual Meeting; IAMO 2014 Forum (Haale, Germany); IIF 2014 International Symposium (Rotterdam, Netherlands); Aarhus University; University of New South Wales; USDA/ERS.
2013	AAEA 2013 Annual Meeting (Washington DC, USA); AARES 2013 Annual Meeting (Sydney, Australia).
2012	SCC-76 2012 Annual Meeting (Pensacola, USA); SAEA 2012 Annual Meeting (Birmingham, USA).

### ***Research Grants***

2017-2018	FASS Collaborative Research Scheme (\$AU 39,963; Co-PI)
2015	FASS Research Support Scheme (\$AU 7,818)
2014	FASS Research Incubator (\$AU 4,984)

## **Teaching**

### ***Current Courses***

2018-2020	AREC3002: Agricultural Markets
2016,2019-2020	ECOS3013: Environmental Economics
2013-2020	ECMT3130: Forecasting for Economics and Business

### ***Previous Courses***

Agribusiness Marketing (2013-2014); Commodity Market and Price Analysis (2015-2017); Econometric Analysis (2015-2019); Industrial Organization (2013-2014,2016); Research Exercises (2012-2013)

### ***Supervising***

2019	Blake Velkovski (Honours, Second Class/Division 1)
2018	Andrew Gaffney (Honours, First Class/Academic Merit Prize)

2017-	Maryam Abdolrahimi (PhD)
2014-2017	Jan Orlowski (PhD)
2014-2016	Maryam Abdolrahimi (MPhil)
2015	Sarah Smith (Honours, First Class/University Medal)

### ***Teaching Awards***

2017	Faculty of Arts and Social Sciences Teaching Excellence Award
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## **Leadership and Engagement**

### ***Administrative Roles***

2018-2020	<b>Chair-Elect/Chair</b> , <i>Econometrics Section, Agricultural &amp; Applied Economics Association</i>
2017-2018	<b>Secretary/Treasurer</b> , <i>Econometrics Section, Agricultural &amp; Applied Economics Association</i>
2017-2019	<b>Undergraduate Coordinator</b> , <i>School of Economics, University of Sydney</i>
2016-2017	<b>Seminar Coordinator</b> , <i>School of Economics, University of Sydney</i>

### ***Organized Conferences, Conference Sessions, and Workshops***

2021	<b>Local Organizing Committee Member</b> , <i>Australian Agricultural &amp; Resource Economics Society 2021 Annual Meeting</i>
2020	<b>Session Organizer</b> , <i>Agricultural &amp; Applied Economics Association 2020 Annual Meeting</i> : “Causal vs. Structural” and “Forecasting Techniques”
2019	<b>Workshop Co-organizer</b> , <i>Faculty of Arts and Social Sciences, University of Sydney</i> : “Market Integration in Failed States”
2018	<b>Session Organizer</b> , <i>Agricultural &amp; Applied Economics Association 2018 Annual Meeting</i> : “Climate Econometrics—New Regression Methods and Practices”

### ***Refereeing***

Australian Research Council (2019–2020)

Agribusiness: an International Journal; Agricultural Economics; American Journal of Agricultural Economics; Applied Economics Perspectives and Policy; Australian Journal of Agricultural and Resource Economics; Climatic Change; Ecological Economics; Empirical Economics; Environmental Management; Environmental Modelling & Software; Environmental Research Letters; Energy Policy; European Review of Agricultural Economics; Food Policy; Global Environmental Change; International Food and Agribusiness Management Review; International Journal of Climatology; Journal of Agricultural and Applied Economics; Journal of Agricultural and Resource Economics; Journal of Econometrics; Journal of Environmental Economics and Management; Oxford Bulletin of Economics and Statistics; Technological Forecasting & Social Change.

### ***Professional Membership***

Agricultural & Applied Economics Association; Australian Agricultural & Resource Economics Society; International Institute of Forecasters; Society for Nonlinear Dynamics and Econometrics