

# DALIA ADEL GHANEM

## **CONTACT INFORMATION**

Address: Department of Agricultural and Resource Economics  
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## **PROFESSIONAL EXPERIENCE**

Associate Professor (with tenure), Department of Agricultural and Resource Economics, University of California, Davis, 2020-present

Assistant Professor, Department of Agricultural and Resource Economics, University of California, Davis 2013-2020

## **EDUCATION**

Ph. D. in Economics, University of California, San Diego, 2013

M.Sc. in Econometrics and Mathematical Economics, London School of Economics, 2007

B.A. in Economics and Political Science, American University in Cairo, Egypt, 2003

## **PUBLICATIONS**

“Effortless Perfection: Do Chinese Cities Manipulate Air Pollution Data?” with Junjie Zhang, *Journal of Environmental Economics and Management* (Lead Article), September 2014, 68(2): 203-225.

“Forecasting Conditional Probabilities of Binary Outcomes under Misspecification,” with Graham Elliott and Fabian Krueger, *Review of Economics and Statistics*, October 2016, 98(4): 742–755.

“Testing Identifying Assumptions in Nonseparable Panel Data Models,” *Journal of Econometrics*, April 2017, 197(2), pp. 202-217.

“Stage-specific, Nonlinear Surface Ozone Damage to Rice Production in China” with Colin A. Carter, Xiaomeng Cui, Aijun Ding, Fei Jiang, Fujin Yi, Funing Zhong, *Scientific Reports, Nature Publishing Group*, 7:44224, March 2017.

“Identifying Economic Impacts of Climate Change on Agriculture” (with Colin Carter, Xiaomeng Cui and Pierre Mérel), *Annual Review of Resource Economics*, 10:361-380, October 2018.

“A Censored Maximum Likelihood Approach to Quantifying Manipulation in China’s Air Pollution Data” (with Shu Shen and Junjie Zhang), *Journal of the Association of Environmental and Resource Economists*, 2020.

“What are the Benefits of High-Frequency Data for Fixed Effects Panel Models?” (with Aaron Smith) *Journal of the Association of Environmental and Resource Economists*, 2020.

## **WORKING PAPERS**

“Testing Attrition Bias in Field Experiments” (with Sarojini Hirshleifer and Karen Ortiz-Becerra) *submitted*

“A James-Stein-type Adjustment to Bias Correction in Nonlinear Panel Data Models” *2<sup>nd</sup> Revision requested by Econometric Reviews*

“On Model Selection Criteria for Climate Change Impact Studies” (with Xiaomeng Cui and Todd Kuffner)

“Causality in Structural Vector Autoregression: Science or Sorcery?” (with Aaron Smith) *2<sup>nd</sup> Revision requested by the American Journal of Agricultural Economics*

“A Group Random Coefficient Approach to Modeling Heterogeneity in Technology Adoption” (with Oscar Barriga, Travis Lybbert, Jeffrey Michler, Aleksandr Michuda and Emilia Tjernström)

## **INVITED DISCUSSIONS**

Comment on “Of Quantiles and Expectiles: consistent scoring functions, Choquet representations and forecast rankings,” by Werner Ehm, Tilmann Gneiting, Alexander Jordan, and Fabian Krueger, *Journal of the Royal Statistical Society, Series B*, 78: 505-562, May 2016.

Discussion on “Models as Approximations” by Andreas Buja, Richard Berk, Lawrence Brown, Edward George, Emil Pitkin, Mikhail Traskin, Linda Zhao and Kai Zhang, *Statistical Science* (discussion co-authored with Todd Kuffner)

## **PREVIOUS WORK EXPERIENCE**

Special Assistant to the Minister, Ministry of Trade and Industry, Egypt, 2004- 2006

Research Analyst, Egyptian Center for Economic Studies, Egypt, July 2003-June 2004

## **FELLOWSHIPS & AWARDS**

Faculty Development Award, University of California, Davis, 2017-2018  
MITRE Visitor, Department of Economics, University of Michigan, June 2014  
Summer Research Grant, University of California, San Diego, 2007-2010  
Student Travel Award, American Statistical Association, Business and Economics Section, 2010  
PJD Wiles Scholarship, London School of Economics, 2006-2007  
Graduate Merit Fellowship, American University in Cairo, Egypt, 2003-2004  
DAAD-Anrechtsschein (German Student Exchange Service Scholarship), German School in Alexandria, Egypt, 1998

## **PROFESSIONAL ACTIVITIES**

Seminars Northwestern (F2020), Penn State (F2020), Southern Methodist University (F2020), University of Nevada, Reno (F2020), Carleton University (W2020), Duke University (Econometrics 2018), UC San Diego (Environmental Economics F2017, Econometrics F2017), UC Riverside (Econometrics S2015), UC Berkeley (Econometrics 2014), UC Davis (Econometrics W2013, Environmental Economics F2013), UC Santa Barbara (W2013)

Conferences *Presentations:* World Congress of the Econometrics Society (2020), Association of Environmental and Resource Economics Annual Conference (2020), USC Dornsife Workshop on Panel Forecasting (2019), California Econometrics Conference (2018), Canadian Econometric Study Group (2018), North American Summer Meetings of the Econometric Society (2018), International Association of Applied Econometrics (2018), Agricultural and Applied Economics Association Annual Meeting (2018), USC Dornsife Workshop on Micro-impacts of Climate Change (2017), Workshop on Higher-Order Asymptotics and Post-selection Inference (2017, 2016), California Econometrics Conference (2016), Joint Statistical Meetings (2010), African Econometric Society Meeting (2010)  
*Discussions:* Stanford Workshop on Advances in Estimating Economic Effects from Climate Change Using Weather Observations 2017, USC Applied Econometrics Workshop 2014  
*Member of the Program/Organizing Committee:* Econometric Society Africa Meetings 2021, UC Giannini Big Ag Data Conference 2020, Workshop on Higher-Order Asymptotics and Post-Selection Inference 2018-2019, Econometric Society Africa Meetings 2010  
*Topic Leader:* Research Methods/Econometrics/Statistics, Agricultural and Applied Economics Association Annual Meeting 2020-2021

Refereeing Econometrics/Statistics: *Biometrika*, *Econometric Reviews*, *Journal of Applied Econometrics*, *Journal of Business and Economic Statistics*, *Journal of Econometric Methods*, *Journal of Econometrics*, *Review of Economic Studies*, *Quantitative Economics*  
Empirical Economics: *AAEA selected presentations (2014, 2015, Topic Leader 2019-2020)*, *American Journal of Agricultural Economics*, *China Economic Review*, *Ecological Economics*, *Economic Journal*, *Food policy*, *Journal of the American Association of Environmental and Resource Economics*, *Journal of Environmental Economics & Management*  
Other: *Climatic Change*, *National Science Foundation*, *Nature Climate Change*, *Nature Sustainability*, *Proceedings of the National Academy of Sciences*

## **TEACHING EXPERIENCE**

University of California, Davis Ph.D. Econometrics III (ARE/ECN240B)  
M.S. Applied Econometrics II (ARE 256B)  
B.A. Econometrics for Business Decisions (ARE 107)

## **GRADUATE ADVISING**

Co-chair Xiaomeng Cui (2018, Assistant Professor, IESR, Jinan University)  
Member Zoe Plakias (2017, Assistant Professor, Ohio State University), Mohamad Alloush (2019, Assistant Professor, Hamilton College September 2019), Kjersti Nes (European Commission, 2019), Charlotte Ambrozek (in progress), Tengda Gong (in progress), Hairu Lang (in progress), Aleksandr Michuda (in progress), Karen Ortiz-Becerra (in progress), Yolanda Pan (in progress), Megan Song (in progress), Olivia Wang (in progress)

## **UNIVERSITY SERVICE**

Department Graduate Administrative Committee Member (2019-present), Ph.D. Econometrics Preliminary Exam Committee (2014-present), Undergraduate Curriculum Committee (2015-present), Recruitment Committee (2015-16, 2016-17), ARE Library Restructuring Committee  
College Undergraduate Majors and Courses Committee (2015-2018)