

ALEKSANDR MICHUDA

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EDUCATION

2015-Present	PhD Agricultural and Resource Economics, UC Davis	Ongoing
2014	B.A./M.A. Economics CUNY Hunter College	<i>summa cum laude</i>
2014	B.A. Philosophy CUNY Hunter College	<i>summa cum laude</i>

JOB MARKET PAPER

Urban Labor Supply Responses to Rural Drought Shocks: Uber in Uganda

Rural-urban linkages have long been a topic of study in the developing world. Remittances are often a key driver of these linkages and can act as insurance against rural weather shock risk, in the absence of availability and access to formal insurance products. The emergence of new technologies, such as gig economy platforms and mobile money, can be potentially transformative at allowing remittance flows to adjust more quickly to adverse shocks. I use a dataset of Uber driver labor supply and a rich dataset of weather indicators to estimate the effect of adverse weather shocks in rural areas on Uber drivers in Kampala, Uganda. Since I do not have explicit information on migrant status and rural connection, I leverage an external dataset of Ugandan voter registration and train a gradient boosting classifier on Ugandan surnames to predict which regions drivers are connected to. I develop a switching regression estimator to address the misclassification bias from the predictions. I find that a one standard deviation increase in the intensity of agricultural drought leads to an increase of 5.1 hours online in the month of the event (a 6% increase over average hours), providing suggestive evidence that Uber's flexibility is used to buffer against adverse weather shocks

WORKING PAPERS

Tjernström, Emilia, Dalia Ghanem, Oscar Barriga Cabanillas, Travis J. Lybbert, Jeffrey D. Michler, and Aleksandr Michuda. "A Group Random Coefficient Approach to Modeling Heterogeneous Returns to Technology Adoption."

Gupta, Anubhab, Heng Zhu, Miki Khanh Doan, Aleksandr Michuda, and Binoy Majumder. "Economic Burden of COVID-19 Lockdown on the Poor." Available at SSRN 3642987 (2020).

- *Revise and Resubmit at American Journal of Agricultural Economics*

Ethnic/Regional Identity and Voting in Uganda - *With Samuel S. Bird*

The Russian Mir - *With Jonathan Conning*

PUBLICATIONS

Applied Econometrics

Cabanillas, Oscar Barriga, Jeffrey D. Michler, Aleksandr Michuda, and Emilia Tjernström. "Fitting and interpreting correlated random-coefficient models using Stata." *Stata Journal* 18, no. 1 (2018):

Specialty Crops

Michuda, Aleksandr, Rachael Goodhue, Karen Klonsky, Graeme Baird, Lucinda Toyama, Margherita Zavatta, Joji Muramoto, and Carol Shennan. “The economic viability of suppressive crop rotations for the control of verticillium wilt in organic strawberry production.” *Agroecology and Sustainable Food Systems* 43, no. 9 (2019): 984-1008.

Michuda, Aleksandr, Rachael Goodhue, Joji Muramoto, and Carol Shennan. “Crop Rotations Can Increase Net Returns in Organic Strawberry and Vegetable Production Systems.” *ARE Update* 20(6)(2017): 5-8. University of California Giannini Foundation of Agricultural Economics.

BOOK CHAPTERS

Carter, Michael R., and Aleksandr Michuda. “The Distribution of Productive Assets and the Economics of Rural Development and Poverty Reduction.” In *The Palgrave Handbook of Development Economics*, pp. 377-408. Palgrave Macmillan, Cham, 2019.

LANGUAGES AND SKILLS

English: Fluent

Russian: Fluent

Ukrainian: Basic Knowledge

TECHNICAL SKILLS

Python, Stata, LaTeX, R, Github, Bash

EXPERIENCE

BITSS Catalyst- Berkeley Initiative for Transparency in the Social Sciences July 2017 - Present

- Organized workshops that teach reproducibility and transparency in social sciences.
- Taught Anonymization of data as well as replication techniques.
- Taught Jupyter Notebooks portion of dynamic documents (R Markdown, Jupyter Notebooks, Stata Markdown)

Research Assistant (Optimal Nutritional Interventions across Space and Time)

- Advisor: Stephen Vosti
- Responsible for developing a python package that finds the optimal set of nutritional interventions across space and time
 - Using 24hr recall or household surveys
- Estimated optimal interventions of effective coverage and lives saved in Cameroon
- Developed dashboards for HKI (Hellen Keller International) to visualize Vitamin A intake in Kenya

Research Assistant (Disease Suppressive Crop Rotations)

- Advisor: Rachael E. Goodhue July 2016 - September 2019
- Responsible for data management and cleaning
- Regression and ANOVA analysis using Stata and Jupyter Notebooks
- Calibrating dynamic contract models in Python

PEER REVIEW

- Journal of Agricultural and Food Economics
- American Journal of Agricultural Economics

CONFERENCES

BITSS RT2 2020	Dynamic Documents with Jupyter Notebooks
AAEA Meetings 2019	Evaluating a Systems Approach to Suppressive Crop Rotations in Strawberry Production
AAEA Meetings 2018	Political Contributions and the Case of South African Land Reform
AAEA Meetings 2017	The Economic Viability of Suppressive Crop Rotations in Organic Strawberry Production
	Empirically Estimating the Impact of Weather on Agriculture
EEA Conference 2014	The Russian Mir and Agrarian Transition
CUNY's UGRC 2013	Large Frontiers and Coercion: An Economic Perspective

SCHOLARSHIPS AND AWARDS

UC Davis

Fall 2014 - Spring 2016

Spring 2017

Fall 2017

2017

Steindler Fellowship

Henry A. Jastro Grant

BITSS Catalyst Grant

Graduate Student Association President

Hunter College

Fall 2009 - Spring 2011

Fall 2009 - Spring 2011

All Semesters

Spring 2012

Fall 2012

Spring 2013

Spring 2013

Fall 2013

Fall 2013

Spring 2014

Philip and Aida Siff Educational Foundation Scholarship

Vallone Scholarship

Dean's List

Undergraduate Research Initiative

Roosevelt House Faculty Associate Travel and Research Grant

Phi Sigma Tau (Philosophy Honor Society) Member

The Scholarship and Welfare Fund Graduate Scholarship

JMS Scholarship

Eastern Economic Association Member

William S. Bryar Memorial Award