Aleksandr Michuda

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Appointments and Experience

2021+	Assistant Research Professor	Center for Data Science for Enterprise and Society, Cornell University

Education

2021	Agricultural and Resource Economics, UC Davis	PhD
2014	Economics CUNY Hunter College	BA/MA
2014	Philosophy CUNY Hunter College	BA

Working Papers

Michuda, Aleksandr. "Rural-Urban Risk Sharing Networks: Uber Driver Labor Supply Responses To Shocks In Uganda" (2022)

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." (2021)

Bird, Samuel S.; Michuda, Aleksandr. "Measuring Ethnicity and Estimating its Effects on Voting at Scale: Evidence from Uganda" (2022)

Michuda, Aleksandr, Rachael E. Goodhue, Krishna V. Subbarao, and Daniel Chellemi. "Evaluating a Systems Approach to Suppressive Crop Rotations in Strawberry Production." (2019).

Publications

Development Economics

Gupta, Anubhab, Heng Zhu, Miki Khanh Doan, Aleksandr Michuda, and Binoy Majumder. "Economic Impacts of the COVID-19 Lockdown in a Remittance-dependent Region." American Journal of Agricultural Economics.

Vosti, Stephen, Katherine Adams, Aleksandr Michuda, Hanqi Luo, Demewoz Woldegebreal, Victoria Chou, Adrienne Clermont, Ismael Teta, Alex Ndjebayi, Jules Guintang, Reina Engle-Stone. "Selecting Micronutrient Intervention Programs to Save Lives: Evidence From Cameroon"

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): 159-173.

Specialty Crops

Michuda, Aleksandr, Rachael E. Goodhue, Mark Hoffmann, and Steven A. Fennimore. "Predicting Net Returns of Organic and Conventional Strawberry Following Soil Disinfestation with Steam or Steam Plus Additives." Agronomy 11, no. 1 (2021): 149.

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

Consultant - MINIMOD - Optimal Nutritional Interventions across Space and Time

- January 2020 - July 2022
- 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

Uber - Data Science Intern - Economics and Pricing

- September 2019 - December 2019
- Worked on causal inference in business facing team
- Evaluated policies using regression discontinuity design, difference-in-differences and treatment effect estimation
- Generated spatial and dynamic visualizations of driver behavior using Python and SQL

Catalyst - BITSS (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 - UC Davis - Disease Suppressive Crop Rotations

- July 2016 - September 2019
- Advisor: Rachael E. Goodhue
- 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

Pacdev 2022	Urban Labor Supply Responses to Rural Drought Shocks on Rideshare Platforms.
NEUDC 2021	Urban Labor Supply Responses to Rural Drought Shocks on Rideshare Platforms.
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

Summer 2022	NSF OSP: 142678
	Conference on Reproducibility and Replicability in Economics and Social Sciences (CRRESS)
Summer 2022	Dyson AEP Faculty Seed Grant
	The Surname-Ethnicity Connection: A Validation Exercise
Spring 2022	Dyson AEP Faculty Seed Grant
	Climate induced soil salinity impacts on agricultural productivity and livelihood diversification in the Sundarbans, India
Winter 2021	(CGIAR) SPIA small grant for agricultural innovations in Ethiopia
Fall 2014 - Spring 2016	Steindler Fellowship
Spring 2017	Henry A. Jastro Grant
Fall 2017	BITSS Catalyst Grant
2017	Graduate Student Association President