

# ALEKSANDR MICHUDA

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## SUMMARY

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Economist and data scientist with over 8 years of experience designing and implementing rigorous empirical research in development, health, and labor economics. Proven record in managing data-intensive projects across fragile and low-resource settings. Deep technical fluency in Python, R, and Stata, with published work leveraging geospatial data, machine learning, and randomized trials. Demonstrated ability to lead collaborative research with international partners, train junior researchers, and build reproducible analytic systems.

## EDUCATION

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

## TECHNICAL SKILLS

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- Python, R, Github, Bash, Stata
- Causal Inference, Machine Learning Classification, Applied Econometrics

## LANGUAGES AND SKILLS

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English: Fluent

Russian: Fluent

Ukrainian: Conversational

## EXPERIENCE

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### **Swarthmore College - Visiting Assistant Professor - Department of Economics**

- August 2024 - Present
- Teach economics, econometrics and data science to undergraduate students
- Research on the entrance of ride-share platforms in developing countries
- Engage with corporate partners through data user agreements (DUAs) to conduct analysis with restricted data

## Cornell University - Assistant Research Professor - Center for Data Science for Enterprise and Society

- August 2021 - August 2024
- Research on the entrance of ride-share platforms in developing countries
- Engage with corporate partners through data user agreements (DUAs) to conduct analysis with restricted data
- Collaborate with faculty from Dyson Business School and the Information School

## 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

## 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

## SELECTED WORKS

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Bird, Samuel S., and Aleksandr Michuda. 2025. "Ethnic Diversity and Voting Behavior at Scale: Evidence from Uganda." *World Development* 196: 107181.

Tennant, Elizabeth J., Aleksandr Michuda, Joanna B. Upton, et al. 2025. *Nowcasting Disruptions to Human Capital Formation: Evidence from High-Frequency Household and Geospatial Data in Rural Malawi*. 11202. The World Bank. ***Submitted for publication.***

- Tjernström, Emilia, Dalia Ghanem, Aleksandr Michuda, Oscar Barriga Cabanillas, Travis J. Lyb-  
bert, and Jeffrey D. Michler. 2025. “A Group Random Coefficient Approach to Modeling  
Heterogeneous Returns to Technology Adoption.” ***Revise and Resubmit, Second Revision  
Requested, Econometrica.***
- Michuda, Aleksandr. 2024. “Rural-Urban Risk Sharing Networks: Uber Driver Labor Supply  
Responses to Shocks in Uganda.”
- Tabetando, Rayner, Djomo Choumbou Raoul Fani, Catherine Ragasa, and Aleksandr Michuda.  
2023. “Land Market Responses to Weather Shocks: Evidence from Rural Uganda and Kenya.”  
*European Review of Agricultural Economics* 50 (3): 954–77.
- Gupta, Anubhab, Heng Zhu, Miki Khanh Doan, Aleksandr Michuda, and Binoy Majumder. 2021.  
“Economic Impacts of the COVID-19 Lockdown in a Remittance-Dependent Region.” *American  
Journal of Agricultural Economics* 103 (2): 466–85.
- Cabanillas, Oscar Barriga, Jeffrey D. Michler, Aleksandr Michuda, and Emilia Tjernström. 2018.  
“Fitting and Interpreting Correlated Random-Coefficient Models Using Stata.” *Stata Journal*  
18 (1): 159–73.