Aleksandr Michuda

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Personal Website: https://amichuda.github.io/

Professional Summary

Economist with a passion for causal inference done rigorously and in conjunction with machine learning predictions. Adaptable and able to work with team members with different perspectives. Experience with presenting technical results to non-technical audiences.

Education

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

Technical Skills

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

Languages and Skills

English: Fluent

Russian: Fluent

Ukrainian: Basic Knowledge

Experience

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

References

Michael R. Carter
Distinguished Professor, UC Davis
Dissertation Chair
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Travis Lybbert
Professor, UC Davis
Dissertation Committee Member
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Dalia Ghanem
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Rachael Goodhue
Department Chair and Professor
goodhue@primal.ucdavis.edu

Relevant Work

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 Impacts of the COVID-19 Lockdown in a Remittance-dependent Region." American Journal of Agricultural Economics.

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.