

West Virginia University
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Status: *U.S. Lawful Permanent Resident*

EDUCATION

West Virginia University , Morgantown, WV Pursuing Doctorate of Philosophy, Economics	Aug 2016–Aug 2020 (expected)
Tribhuvan University , Kathmandu, Nepal Master of Arts, Economics Bachelor of Arts, Economics & Sociology	2010-2012 2006–2009

RESEARCH INTERESTS

Applied Regional/Public, Health, Energy Economics
Causal machine learning and policy evaluation.

JOB MARKET PAPER

Heterogeneous Effects of Medicaid and Efficient Policy Learning: Evidence from the Oregon Health Insurance Experiment. [Download.](#)

Summary: I use the Oregon Health Insurance Experiment (random assignment of Medicaid) data to estimate the heterogeneous treatment effect of the Medicaid. I implement the cluster-robust generalized random forest – a causal machine learning approach to develop Medicaid assignment strategies and quantify Medicaid impact improvements on health care use, personal finance, health, and well-being.

PUBLICATIONS

Shakya, S., Nepal, R., & Sharma, K. (2018). Electricity consumption and economic growth: empirical evidence from a resource-rich landlocked economy. *International Journal of Global Energy Issues*, 41(5/6), 226–247.

Hall, J. and **Shakya, S.** (2019) Federal Regulations and Energy Sectors of the United States: A Panel ARDL Approach. *Oil, Gas, and Energy Quarterly*. (Accepted for publication.) [Download.](#)

Shakya, S. (2018) Book review: *Currency Politics–The Political Economy of Exchange Rate Policy*, The Review of Regional Studies, 2018. [Download.](#)

Shakya, S., & Lama, N. (2014). Possible Decision Rules to Allocate Quotas and Reservations to Ensure Equity for Nepalese Poor. *Economic Journal of Development Issues*, 17(1), 149–162. [Download.](#)

UNDER REVIEW

The Dark Side of the Shale Boom–Increased Crime among Economically-small, Relatively Rural American States, *Energy Economics*, revise and resubmit. [Download.](#)

The Political Economy of Vermont’s Anti-Fracking Movement, with Alexandre Scarcioffolo & Joshua C. Hall, *Journal of Public Finance and Public Choice*, revise and resubmit. [Download.](#)

Can Trade Networks Explain the Productivity-Compensation Gap?, with Alicia Morgan Plemmons, *Regional Science and Urban Economics*, submitted. [Download.](#)

Quantifying the Announcement Effects in the US Lumber Market, with Zarina Ismailova, Xiaoli L. Etienne & Fabio Mattos, *Canadian Journal of Agricultural Economics*, submitted. [Download.](#)

WORKING PAPERS

- Impact of Must-access PDMPs on Prescription Opioid Overdose Death Rates [Download.](#)
- California Proposition 8: Voters Reject the Fair Pricing for Dialysis Act, with Tuyen Pham. [Download.](#)
- Regional Institutional Quality and Start up Activities in the U.S. [Download.](#)
- How the U.S. Oil and Gas Producers Respond on Prices: A Pre and Post Shale Boom Analysis, with Bingxin Li & Xiaoli L. Etienne. [Download.](#)
- Efficiency Test of Commodity Futures Market with Feiyu Liu. [Download.](#)

EXPERIENCES

Graduate Teaching Assistance, West Virginia University

- Econ 225: Elementary Business and Economic Statistics (Instructor) Summer & Fall 2019
- Econ 202: Principles of Macroeconomics (Instructor) Spring 2019
- Econ 721: Mathematical Economics (TA, PhD Econ course, teaching 30% of course) Fall 2018
- BUDA 550: Business Data Visualization course of Business (Online course design) Summer 2017 & 2018
- Click here to view: | [ggplot2](#) | [Shiny Part-1](#) | [Shiny Part-2](#) |

Graduate Research Assistance, Regional Research Institute (RRI), WVU Aug 2016–Aug 2018.

Opensource development of the WVU Econometric Input-Output (ECIO) model in R and Python.

Economic Consultant, National Planning Commission, Nepal Mar 2016–Jul 2016.

I contributed on 14th National Plan of Nepal. I developed frameworks to forecast several macroeconomic series and designed the Financial Programming and Policies template recommended by the International Monetary Fund (IMF) for Nepal.

CONFERENCE PRESENTATIONS

- The Southern Regional Science Association (SRSA) 2019, 2018, 2017
- Public Choice Society Annual Meetings 2019
- YSI North America Convening 2019
- The North American Regional Science Council (NARSC) 2019, 2018
- Applied Economics and Regional Science (AERS) 2018, 2017

PROFESSIONAL SERVICES

Reviewer: Papers in Regional Science, Journal of Regional Analysis and Policy, Contemporary Economic Policy

SKILLS

Economics: Causal machine learning methods, Panel data analysis, Spatial econometrics, Time series analysis

Software: R, Python, Eviews, Github, L^AT_EX

AFFILIATIONS

Southern Regional Science Association (SRSA), Northern Regional Science Association (NARSC), Regional Science Association International (RSAI), American Economic Association (AEA)