

Department of Economics
John Chambers College of Business & Economics
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Status: U.S. Lawful Permanent Resident

EDUCATION

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

RESEARCH INTERESTS

Applied Health, Regional/Public and 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.

Synopsis: I use the Oregon Health Insurance Experiment data (random assignment of Medicaid) to estimate the heterogeneous treatment effects of Medicaid on health care use, personal finance, health, and wellbeing. I perform the cluster-robust generalized random forest – a causal machine learning approach to reveal policy reforms. These reforms prioritize Medicaid allotments to subgroups that are likely to benefit the most and improve average outcomes by about 4% to 10% over a random assignment baseline.

PUBLICATIONS

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.)

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.

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

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.

UNDER REVIEW

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

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.

Can Trade Networks Explain the Productivity–Compensation Gap?, with Alicia Morgan Plemmons, *Regional Science and Urban Economics*, submitted.

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

WORKING PAPERS

Impact of Must-access PDMPs on Prescription Opioid Overdose Death Rates

California Proposition 8: Voters Reject the Fair Pricing for Dialysis Act, with Tuyen Pham.

Regional Institutional Quality and Start up Activities in the U.S.

How the U.S. Oil and Gas Producers Respond on Prices: A Pre and Post Shale Boom Analysis, with Bingxin Li & Xiaoli L. Etienne.

Efficiency Test of Commodity Futures Market with Feiyu Liu.

EXPERIENCES

Teaching Experiences, West Virginia University

Econ 225: Elementary Business and Economic Statistics (Instructor of Record) Summer & Fall 2019

Econ 202: Principles of Macroeconomics (Instructor of Record) 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

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)