

Shishir Shakya

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Introduction

I am a Ph.D. candidate in Economics at West Virginia University. My research interests include regional/public economics of American health and energy issues. My research methods include causal inferences with machine learning.

Education

Pursuing Ph.D. in Economics, West Virginia University, U.S.A., 2016-2020.

M.A. in Economics, Tribhuvan University (TU), Nepal, 2010-2012.

B.A. Economics, Tribhuvan University (TU), Nepal, 2006-2009.

Diploma in Architectural Engineering, Thapathali Engineering Campus, TU, Nepal, 2003-2006

Experiences

Graduate Teaching Assistance, West Virginia University (WVU), Aug 2018–till present.

Econ 721: Mathematical Economics (First year PhD Econ course, teaching assistant and teaching 30% of course)

Econ 202: An introduction to Macroeconomics

Econ 225: Elementary Business and Economic Statistics

BUDA 550: Business Data Visualization course of Business and Data Analytic (Online course design). Click here: [|ggplot2|Shiny Part-1|Shiny Part-2|](#)

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

I am a back-end programmer/economist. I construct the database for the WVU Econometric Input-Output (ECIO) model. I scrape and manage the large databases from BEA.gov, BLS.gov, fred.stlouisfed.org, census.gov and other various source.

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

I contribute on 14-th National Plan of Nepal. I forecasted several macroeconomic series and designed the Financial Programming and Policies template recommended by International Monetary Fund (IMF) for Nepal.

I have several economic consultancy and teaching experiences at Nepal. I taught undergraduate and graduate level microeconomics, macroeconomics as well as statistics using R (during 2012–2016).

Published Papers

Electricity Consumption and Economic Growth: Empirical Evidence from a Resource-Rich Landlocked Economy, with Rabindra Nepal & Kishor Sharma, *International Journal of Global Energy Issues*, 2018.

Possible Decision Rules to Allocate Quotas and Reservations to Ensure Equity for Nepalese Poor, with Nabraj Lama, *Economic Journal of Development Issues*, 2014.

Book Review: Currency Politics: The Political Economy of Exchange Rate Policy, The Review of Regional Studies, 2018

Submitted Papers

The Political Economy of Vermont's Anti-Fracking Movement, with Alexandre Scarcioffolo & Joshua C. Hall, Revised and Resubmitted.

Federal Regulations and Energy Sectors of the United States: A Panel ARDL Approach", with Joshua C. Hall & Jim E. Payne, Revised and Resubmitted.

The Dark Side of the Shale Boom-Increased Crime among Economically-small, Relatively Rural American States, under-review

Working Papers

Heterogeneous Treatment Effects of Insurance on Health Outcomes and Optimal Policy Learning: Evidences from Oregon Health Insurance Experiment.

Impact of Must Access Prescription Drug Monitoring Program: A Generalized Synthetic Control Approach".

Productivity and Compensation Gap in US - Mixing Spatial and Trade Network Dependency Approach using Commodity Flow Survey, with Alicia Morgan Plemmons

Quantifying the Announcement Effects in the US Lumber Market, with Zarina Ismailova, Xiaoli L. Etienne & Fabio Mattos.

Regional Institutional Quality and Start up Activities in the US.

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

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

Papers Underdevelopment

What Do Right-to-Work Laws Do for Industries? Causal Evidences from Michigan: A Synthetic Control Method Approach

Efficiency Test of Commodity Futures Market with Feiyu Liu

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

Conference Presentations

Evolution of Sectorial Hubs and Authorities in U.S, Proc. *The Southern Regional Science Association (SRSA)*, Mar 2017 at Tennessee.

Evolution of Sectorial Linkages, Leakages and Landscapes of U.S, Proc. *Applied Economics and Regional Science (AERS)*, Apr 2017 at Ohio.

Labor Compensation Spillover in U.S. - Mixing Spatial and Trade Network Dependency Approach using Commodity Flow Survey, *The Southern Regional Science Association (SRSA)*, Mar 2018 at Philadelphia.

Regional Institutional Quality and Start up Activities in US, *The North American Regional Science Council (NARSC)*, Nov 2018 at San Antonio Texas.

Heterogeneous Treatment Effects of Insurance on Health Outcomes and Optimal Policy Learning: Evidences from Oregon Health Experiment, *YSI North America Convening*, Feb 2019 at USC Dornsife, Los Angeles.

Regional Institutional Quality and Start up Activities in US, *The Public Choice Society*, Mar 2019 at Louisville Kentucky.

The Dark Side of the Shale Boom-Increased Crime among Economically-small, Relatively Rural American States Generalized Synthetic Control Approach, *The Southern Regional Science Association (SRSA)*, Apr 2019 at Washington, DC.

Referee

Papers in Regional Science

Workshops

SANDEE, Summer School in Environmental and Resource Economics at Asian Institute of Technology, Bangkok, Thailand, 2016

Summer Empirical Workshop at West Virginia University 2018.

Language

Nepalese (Native), English, Hindi, R, Python, Eviews, Matlab, Latex

Codes & Tutorials

AusElectricity: Open sourced script to Download the Historical Data of Aggregated Price and Demand of National Electricity Market of Australia.

Tutorials on Non-parametric econometrics.

Tutorials on Statistical Learning Theories.

Last updated: May 14, 2019