

# Shishir Shakya

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## Introduction

I am a Third year Ph.D. student in Economics at West Virginia University. My research interests include regional/public economics within 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)

Econ 202: An intro to Macroeconomics Instructor

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 required for the WVU Econometric Input-Output (ECIO) model. For that, I scrap and manage the large databases from BEA.gov, BLS.gov, fred.stlouisfed.org, census.gov e.t.c.

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

I contribute on 14-th National Plan of Nepal. I forecasted several national 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 Land-locked 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

## Submitted Papers

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

"Federal Regulations and Energy Sectors of the United States: A Panel ARDL Approach", with Joshua C. Hall, submitted to *Energy Policy*

## Working Papers

"Productivity and Compensation Gap in US - Mixing Spatial and Trade Network Dependency Approach using Commodity Flow Survey" with Peter Jarosi

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

"Shale Gas Band Theory and US Regional Producers behaviour", with Bingxin Li & Xiaoli L. Etienne

"Regional Institutional Quality and Start up Activities in US"

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

"Impact of must-access Prescription Drug Monitoring Program"

"Shale Boom Bears Bitter Crime among Economically-small, Relatively Rural American States"

"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.

Regional Institutional Quality and Start up Activities in US, *The Southern Regional Science Association (SRSA)*, Apr 2019 at Washington, DC.

## Grants

*National Science Foundation, 2017 - Technology Development, Strategic Risk & National Policy* with Usha Haley.

## Language

Nepalese (Native), English, Hindi

R, Python, Eviews, Matlab, Latex

## Codes

R-package: IOA (Input Output Analysis) Replications of Milliers and Blair Chapter-5 & Hermann Schnabel Paper on Maximum Flow. ([click here](#))

AusElectricity: Open sourced script to Download the Historical Data of Aggregated Price and Demand of National Electricity Market of Australia. ([click here](#))

Last updated: February 5, 2019