

✉ [shakyas@appstate.edu](mailto:shakyas@appstate.edu)  
 🌐 <http://shishirshakya.github.io>

## EDUCATION

**Ph.D. in Economics:** West Virginia University, United States 2016-2020  
**M.A. in Economics:** West Virginia University, United States, 2016-2019  
**M.A. in Economics:** Tribhuvan University, Nepal 2011-2013  
**B.A. in Economics:** Tribhuvan University, Nepal 2006-2009

## ACADEMIC POSITIONS AND TEACHING

**Assistant Professor of Economics:** *Appalachian State University* Aug 2023-Current  
 Principles of Microeconomics Fall 2024  
 Forecasting and Time Series Models Spring 2025/24, Fall 2023  
 Forecasting and Time Series Models (MBA) Spring 2024  
 Business and Economic Statistics II Spring 2025, Fall 2024/23, Summer 2024

**Visiting Research Fellow:** *West Virginia University* Apr 2023-Jul 2023  
 Knee Regulatory Research Center at  
 John Chambers College of Business and Economics

**Assistant Professor of Economics:** *Shippensburg University* Aug 2020-Jul 2023  
 Economic Analysis of Big Data  
 Regional Economics  
 Managerial Economics  
 Portfolio Optimization  
 Data Analytics  
 Principles of Macroeconomics  
 Principles of Microeconomics  
 Principles of Economics

**Graduate Teaching Assistance:** West Virginia University 2018-2020  
 Elementary Business and Economic Statistics  
 Principles of Macroeconomics

**Graduate Research Assistance:** Regional Research Institute (RRI) WVU 2016-2018

**Economic Consultant:** National Planning Commission, Nepal 2016-2016

## PUBLICATIONS

31. **Shakya, S.**, Nepal, T., Mathew, M., & Timmons, E. (n.d.). Anti-maintenance of certification and elderly physician supply. *Economic Letters*. [Download](#)
30. **Shakya, S.**, & Plemmons, A. (n.d.). Scope of practice and opioid prescribing behavior of nurse practitioners serving Medicare beneficiaries. *Health Economics*. [Download](#)
29. Scarcioffolo, A., Mugabe, D., & **Shakya, S.** (2024). Stuck in the middle: The conundrum of firms' responsiveness to environmental policy in shale production. *Applied Economics Letters*. [Download](#)

- 
28. **Shakya, S.**, Plemmons, A., & Norris, C. (2024). Military spouse licensing: A case study of registered nurses near military bases. *Journal of Regulatory Economics*. [Download](#)
  27. Beniwal, S., & **Shakya, S.** (2024). Hospital ownership changes and charge-to-cost shifts. *Economics Letters*. [Download](#)
  26. Ammons, J., & **Shakya, S.** (2024). Revolutions and corruption. *Public Choice*. [Download](#)
  25. **Shakya, S.**, & Bretschneider Fries, C. (2024). The effect of substance use Certificate-of-Need laws on access to substance use disorder treatment facilities. *Southern Economic Journal*. [Download](#)
  24. **Shakya, S.**, Plemmons, A., Bae, K., & Timmons, E. (2024). The pharmacist will see you now: Pharmacist prescriptive authority and access to care in Idaho. *Contemporary Economic Policy*. [Download](#)
  23. **Shakya, S.**, & Levinstein, M. (2024). Grading policy, email nudges, and grade outcomes. *The Journal of Economic Education*. [Download](#)
  22. Shah Mobariz, A., & **Shakya, S.** (2024). Cultural influences on gender gap in test scores: Findings from Afghanistan's university entrance examination. *Applied Economics Letters*. [Download](#)
  21. Bae, K., Norris, C., **Shakya, S.**, & Timmons, E. (2023). Advanced practice registered nurse full practice authority, provider supply, and health outcomes: A border analysis. *Policy, Politics, and Nursing Practice*. [Download](#)
  20. Neto, A., Nowicki, J., & **Shakya, S.** (2023). Do public libraries help mitigate crime? Evidence from Kansas City, MO. *The Journal of Cultural Economics*. [Download](#)
  19. **Shakya, S.**, & Ruseski, J. (2023). The effect of prescription drug monitoring programs on county-level opioid prescribing practices and spillovers. *Contemporary Economic Policy*. [Download](#)
  18. Plemmons, A., **Shakya, S.**, Cato, K., Sadarangani, T., Poghosyan, L., & Timmons, E. (2022). Exploring the relationship between nurse practitioner full practice authority, nurse practitioner workforce diversity, and disparate primary care access. *Policy, Politics, and Nursing Practice*. [Download](#)
  17. **Shakya, S.**, & Hodges, C. (2022). Must access prescription drug monitoring programs and retail opioid sales. *Contemporary Economic Policy*. [Download](#)
  16. **Shakya, S.**, Ghosh, S., & Norris, C. (2022). Nurse licensure compact and mobility. *Journal of Labor Research*. [Download](#)
  15. **Shakya, S.**, & Harrish, S. (2022). Medicaid expansion and opioid supply policies to address the opioid crisis. *Drug and Alcohol Dependence Reports*. [Download](#)
  14. **Shakya, S.**, Li, B., & Etienne, X. (2022). Shale revolution, oil and gas prices, and drilling activities in the United States. *Energy Economics*. [Download](#)

13. **Shakya, S.**, Plemmons, A., & Sayago-Gomez, J. T. (2022). Spatial spillovers and the productivity-compensation gap in the United States. *The Annals of Regional Science*. [Download](#)
12. **Shakya, S.**, Basnet, S., & Paudel, J. (2022). Natural disasters and labor migration: Evidence from Nepal's earthquake. *World Development*. [Download](#)
11. **Shakya, S.**, & Plemmons, A. (2022). Productivity spillovers and the productivity-compensation gap. *Spatial Economic Analysis*. [Download](#)
10. **Shakya, S.**, & Sohag, K. (2021). The fracking boom and crime rates in the rural American states: Some critical insights. *The Extractive Industries and Society*. [Download](#)
9. **Shakya, S.**, & Plemmons, A. (2021). The impact of economic freedom on startups. *Journal of Regional Analysis and Policy*. [Download](#)
8. **Shakya, S.**, Erfanian, E., & Scarcioffolo, A. (2020). The political economy of Vermont's abortion bill. *Applied Economics Letters*. [Download](#)
7. **Shakya, S.**, & Plemmons, A. (2020). Does scope of practice affect mobility of nurse practitioners serving Medicare beneficiaries? *Journal of Labor Research*. [Download](#)
6. Ismailova, Z., Etienne, X., **Shakya, S.**, & Mattos, F. (2020). Quantifying the announcement effects in the US lumber futures market. *Journal of Forest Economics*. [Download](#)
5. Hall, J. C., Scarcioffolo, A. R., & **Shakya, S.** (2020). The political economy of Vermont's anti-fracking movement. *Journal of Public Finance and Public Choice*. [Download](#)
4. **Shakya, S.** & Sevigny E., Replication of a research claim from Bersani and Doherty (2013), from Criminology (2020). *Center for Open Science, Systematizing Confidence in Open Research and Evidence (SCORE) Project*. [Download](#)
3. Hall, J. & **Shakya, S.** (2019). Federal regulations and US energy sector output. *Oil, Gas, Energy Quarterly*, 68(2):229-241. [Download](#)
2. **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. [Download](#)
1. **Shakya, S.** & Lama, N. (2016). Possible decision rules to allocate quotas and reservations to ensure equity for Nepalese poor. *Economic Journal of Development Issues*, 17(1-2):149-162. [Download](#)

## POLICY BRIEFS

4. Plemmons, A., **Shakya, S.**, & Timmons, E. (2024). Rural health care access in North Dakota: Unlocking the potential of health care providers. *Sheila and Robert Challey Institute, North Dakota State University, Research Insights*. [Download](#)
3. **Shakya, S.** (2024). Understanding the role of immigrants in the US health sector: Employment trends from 2007-21. *Rice University, Baker Institute for Public Policy, Center for the US and Mexico, Research Paper*. [Download](#)

2. **Shakya, S.**, Bae, K., Norris, C. and Timmons, E (n.d.). Nurse practitioner scope of practice and access to primary care in North Carolina.
1. Bae, K., Norris, C., **Shakya, S.**, & Timmons, E. (2022). Maryland's health care lesson for Pennsylvania: How full practice authority can increase access and improve outcomes. *The Commonwealth Foundation*. [Download](#)

#### ACCEPTED PROPOSAL FOR BOOK CHAPTERS

2. Pham, T., **Shakya, S.** and Scarciuffolo, A. (2025). The Impact of Funded Campaigns in Shaping Voting Outcomes - A Case of California Proposition 8., *Empirical Applications of the Median Voter Model*.
1. **Shakya, S.** (n.d.). Occupations, legislation, and licensing in Nepal. *In International handbook of occupational licensing*.

#### REVISION REQUESTS

1. **Shakya, S.**, & Roy, A. (n.d.). Access to mental health care services and suicide rates in the United States.

#### UNDER SUBMISSIONS

5. **Shakya, S.**, & Dutta, N. (n.d.). Financial inclusion for females and individualism: Does education act as a mediator?
4. Nepal, T., & **Shakya, S.** (n.d.). Scope-of-practice regulations and physician assistant inter-state mobility.
3. Beniwal, S., **Shakya, S.**, Kanimian, S., & Anderson, D. (n.d.). Impact of ACA Medicaid expansion on appointment wait time in community medical centers.
2. Bedi, J., **Shakya, S.**, & Jia, S. (n.d.). Closing time: Impacts of deportation on entrepreneurship.
1. Muhammad, N., & **Shakya, S.** (n.d.). Hospital mergers and acquisitions: A financial profit analysis.

#### COMPLETED WORKING PAPERS

10. **Shakya, S.**, & Ghosh, S. (n.d.). Did streamlining the pathway for foreign-trained workers in Vermont affect the number of workers in licensed trades?
9. Deyo, D., **Shakya, S.**, Ampaabeng, K., Norris, C., & Timmons, E. (n.d.). Unintended endings: The effects of municipal massage therapist licensing on crime.
8. **Shakya, S.**, & Hodges, C. (n.d.). Prescription opioid spillovers: Retail pharmacies level analysis.
7. **Shakya, S.**, Bedi, J., & Plemmons, A. (n.d.). Healthcare workforce shortages and job autonomy: Nurse practitioners and entrepreneurship in the United States.
6. **Shakya, S.**, & Jahan, I. (n.d.). Inclusive governance: Impact of democracy on women's political participation and empowerment.

5. Ammons, J., **Shakya, S.**, & Callais, J. T. (n.d.). What do women get from a successful revolution?
4. **Shakya, S.** (n.d.). The Interstate Medical Licensure Compact, physicians' mobility, and nurse practitioner's scope of practice law.
3. **Shakya, S.** and Johnson D.B. (n.d.). Gun Laws Can Change Gun Availability.
2. **Shakya, S.**, and Plemmons, A. (n.d.). Regional institutional quality and job creation among early startups in the United States.
1. Thomas, P., and **Shakya, S.** (n.d.). Impact of energy transition on energy burden.

#### UNDER DEVELOPMENT

12. Sugg, M., Ulrich, S., Runkle, J., Tyson, J., and **Shakya, S.** (n.d.). Uncovering maternal healthcare deserts: A geospatial exploration of access disparities in the United States.
11. Bailey, J., & **Shakya, S.** (n.d.). The impact of repealing Certificate-of-Need laws on healthcare spending: A causal analysis.
10. **Shakya, S.**, Kohlhepp, J., & Bae, K. (n.d.). Occupational licensing and organizational complexity: Evidence from hair salon transactions.
9. **Shakya, S.**, Plemmons, A., and Sayago-Gomez, J. T. (n.d.). Industry Regulation Spillover Networks.
8. **Shakya, S.** and Johnson, D., (n.d.). You Don't Say? The effect of Stand-your-ground laws on gun access
7. Minuci, E., **Shakya, S.** (n.d.). The impact of fracking on the asset portfolio allocation of local banking markets.
6. **Shakya, S.** (n.d.). Do work requirements in Medicaid as a condition of eligibility affect health and healthcare?
5. Ammons, J. and **Shakya, S.** (n.d.). Seeding reform or reaping chaos? Liberal institutional outcomes of violent vs. nonviolent revolutionary regime changes.
4. Adhikari, M., **Shakya, S.**, Sylvia, S., & Holmes, M. (n.d.). Cultural practices, gender norms, and household resource allocation in crisis.
3. **Shakya, S.** and Ammons, J. (n.d.). The deep roots of revolution: Folklore and revolts.
2. **Shakya, S.**, Ammons, J., and Geloso, V. (n.d.). The polyarchy paradigm: Unraveling corruption and fostering transparency.
1. Ammons, J., **Shakya, S.**, and Kings, S., (n.d.), Liberal democracy and societal benefits.

## EXTERNAL FUNDING

6. Timmons, E., Bae, K., and **Shakya, S.** (2023). Nurse practitioner scope of practice and access to primary care in North Carolina, The John William Pope Foundation. **\$115,000** Funded.
5. Ghosh. S., Plemmons. A., and **Shakya, S.** (2023). NCSBN Center for Regulatory Excellence. **\$15,000** Not Funded.
4. Poghosyan. L. et al. (2023), Eliminating Policy Restrictions to Improve Access to Care and Economic Stability in Racial and Ethnic Minority Communities, National Institutes of Health, Transformative Research to Address Health Disparities and Advance Health Equity (U01 Clinical Trial Optional). **\$4,400,000** Not Funded.
3. Ghosh. S., Plemmons. A., and **Shakya, S.** (2023). Nurse Licensure Compacts and Public Health Emergencies. **\$150,000** Not Funded.
2. **Shakya, S.** (2024). Understanding the role of immigrants in the US health sector: Employment trends from 2007-21. Center for the United States and Mexico, Rice University's Baker Institute for Public Policy. **\$3,500** Funded.
1. Bae, K., Norris, C., **Shakya, S.**, & Timmons, E. (2022). Maryland's health care lesson for Pennsylvania: How full practice authority can increase access and improve outcomes. *The Commonwealth Foundation*. The Commonwealth Foundation, **\$15,000** Funded.

## INTERNAL GRANTS

1. Sugg, M., Ulrich, S., Runkle, J., Tyson, J., and **Shakya, S.** (2024). Uncovering maternal healthcare deserts: A geospatial exploration of access disparities in the United States. University Research Council Grants, Appalachian State University. **\$4986** Funded.

## AWARDS

Dean's Club Research Prize, Walker College of Business, Appalachian State University (Runner-up)	2024
Graduate Student-Authored Paper, The North American Regional Science Council (NARSC) Student Paper Competition Results (1st Runner-up)	2019
Jon Vilasuso Advanced Doctoral Student Award, West Virginia University	2019

## DEPARTMENTAL SERVICES

Economics Faculty Search Committee	Spring 2024
Brashear Prize Selection Committee	Fall 2023/24, Spring 2024
WCOB Curriculum Committee	Fall 2024

## DISCIPLINARY SERVICES

<b>Editorial Manage:</b> Journal of Substance Use and Addiction Treatment	2024-current
<b>Reviewer:</b> Journal of Substance Use and Addiction Treatment (2024), Drug and Alcohol Review (2023), Energy Economics (2023), Pharmacoepidemiology and Drug Safety (2023), Small Business Economics (2023), Journal of Sports Economics (2023), Journal of Economic	

Geography (2023); Journal of Labor Research (2023); World Bank Economic Review (2022); Economic Modelling (2022); Drug and Alcohol Dependence (2022); Papers in Regional Science (2021); Journal of Regional Analysis and Policy (2021); Contemporary Economic Policy (2020); and PLOS One (2020).

**Chief Data Editor:** Journal of Comments and Replications in Economics 2022-2023

**Board of Directors:** Pennsylvania Economic Association 2022-2023

**Technical Editor:** Review of Regional Studies 2020-2022

**Data Editor:** Journal of Comments and Replications in Economics 2020-2022

#### INVITED RESEARCH PRESENTATION

25. **Ammons, J., Shakya, S., & Callais, J. T.** (n.d.). What do women get from a successful revolution? Journal of Institutional Economics (JOIE) Symposium Research Workshop, October 2024.
24. **Shakya, S., & Plemmons, A.** (n.d.). Regional institutional quality and job creation among early startups in the United States. Menard Family Initiative Entrepreneurship Conference at University of Wisconsin-La Crosse, October 2024.
23. Regulation and health - Wins for everyday citizens (summaries of my works on various state policies). The Classical Liberals in the Carolinas, August 2024.
22. Advancing healthcare access: State policy innovations and evidence-based research (summaries of my works on various state policies). The Appalachian Institute to Advance Health Equity Science (ADVANCE), Ohio University, April 2024.
21. Basics of causal inference. Nepali Academics in America, March 2024.
20. Advanced causal inference. Andrew Young School of Policy Studies, Georgia State University, March 2024.
19. **Shakya, S., Bedi, J., & Plemmons, A.** (n.d.). Healthcare workforce shortages and job autonomy: Nurse practitioners and entrepreneurship in the United States. SJSU Philosophy, Politics, and Economics Research Seminar, San Jose State University, March 2024.
18. **Shakya, S., & Roy, A.** (n.d.). Access to mental health care services and suicide rates in the United States. Darla Moore School of Business, University of South Carolina, October 2023.
17. **Shakya, S., & Bretschneider Fries, C.** (2024). The effect of substance use Certificate-of-Need laws on access to substance use disorder treatment facilities. *Southern Economic Journal*. Towson University, September 2023.
16. **Shakya, S.** (2024). Understanding the role of immigrants in the US health sector: Employment trends from 2007-21. Immigration Impacts on Healthcare, Institute for Humane Studies, September 2023.
15. **Shakya, S., & Roy, A.** (n.d.). Access to mental health care services and suicide rates in the United States. Liberty over Lunch Seminar, Western Carolina University, September 2023.

14. **Shakya, S.**, & Plemmons, A. (n.d.). Scope of practice and opioid prescribing behavior of nurse practitioners serving Medicare beneficiaries. Towson University, September 2022.
13. **Shakya, S.** (n.d.). Impact of must-access PDMPs on prescription opioid overdose death rates. Investigation of Healthcare Regulation Workshop: The Institute for Humane Studies, July 2022.
12. **Shakya, S.**, & Plemmons, A. (n.d.). Scope of practice and opioid prescribing behavior of nurse practitioners serving Medicare beneficiaries. The 36<sup>th</sup> Annual Conference of Pennsylvania Economic Association, June 2022.
11. Economics of investment and personal finance. Economics of Personal Investing, Investment Club Shippensburg University, March 2022.
10. Shah Mobariz, A., & **Shakya, S.** (2024). Cultural influences on gender gap in test scores: Findings from Afghanistan's university entrance examination. Dickinson College, March 2022.
9. **Shakya, S.**, Basnet, S., & Paudel, J. (2022). Natural disasters and labor migration: Evidence from Nepal's earthquake. Institute for Integrated Development Studies (IIDS), March 2022.
8. Labor market effects of the scope of practice policies. The Institute for Humane Studies and Arkansas Center for Research in Economics, January 2022.
7. **Shakya, S.**, & Levinstein, M. (2024). Grading policy, email nudges, and grade outcomes. Pennsylvania's State System of Higher Education (PASSHE) Conference on Teaching and Learning, January 2022.
6. **Shakya, S.**, & Plemmons, A. (n.d.). Scope of practice and opioid prescribing behavior of nurse practitioners serving Medicare beneficiaries. Gulati Institute of Finance and Taxation, November 2021.
5. **Shakya, S.**, & Levinstein, M. (2024). Grading policy, email nudges, and grade outcomes. Center for Social Research, November 2021.
4. **Shakya, S.**, Ghosh, S., & Norris, C. (2022). Nurse licensure compact and mobility. National Council of State Boards of Nursing (NCSBN), September 2021.
3. **Shakya, S.**, & Plemmons, A. (2020). Does scope of practice affect mobility of nurse practitioners serving Medicare beneficiaries? The Arkansas Center for Research in Economics (ACRE), October 2020.
2. Causal inference workshop. Economics Students' Society Nepal, September 2020.
1. **Shakya, S.** (n.d.). Heterogeneous Treatment Effects of Medicaid and Efficient Policies. Icesi University, May 2020.



## CONFERENCE PRESENTATIONS

Multiple papers presentation, discussants of multiple papers, and session chairs.

38. Law and Society Conference, Chicago, IL	May 2025
37. Association of Private Enterprise Education (APEE), Guatemala	Apr 2025
36. Public Choice Society Annual Meetings, Louisville, KY	Mar 2025
35. Southern Economic Association (SEA), Washington, DC	Nov 2024
34. Annual Global Symposium, Boone, NC	Nov 2024
33. 2024 Markets and Society Conference, Washington, DC	Oct 2024
32. Research and Creative Activity at Appalachian, Boone, NC	Sep 2024
31. The Classical Liberals in the Carolinas, Winston-Salem, NC	Aug 2024
30. Scope of Practice Conference, West Virginia University, Morgantown, WV 2024	July 2024
29. Advancing Health Equity in Rural Communities, Boone, NC	May 2024
28. Appalachian Experimental and Environmental Economics Workshop, Boone, NC	Apr 2024
27. The Association of Private Enterprise Education: APEE, Las Vegas, NV	Apr 2024
26. Southern Economic Association (SEA), New Orleans, LA	Nov 2023
25. Carolina Region Empirical Economics Day (CREED) Program, Columbia, SC	Oct 2023
24. 1st Certificate of Need Law Research Conference, Morgantown, WV	Jun 2023
23. Southern Economic Association (SEA), Fort Lauderdale, FL	Nov 2022
22. ASHEcon— American Society of Health Economist, Austin, TX	Jun 2022
21. The Association of Private Enterprise Education (APEE), Las Vegas, NV	Apr 2022
20. AEA Annual Meeting	Jan 2022
19. Southern Economic Association (SEA), Houston, TX	Nov 2021
18. ASHEcon— American Society of Health Economist, Virtual	Jun 2021
17. Western Economic Association International, Virtual	Jun 2021
16. The Southern Regional Science Association (SRSA), Virtual	Mar 2021
15. Knee Center Occupational Licensing Conference, West Virginia University, Virtual	May 2021
14. Southern Economic Association (SEA), Virtual	Nov 2020
13. The North American Regional Science Council (NARSC), Virtual	Nov 2020
12. Annual Knee Center Occupational Licensing Conference, Virtual	May 2020
11. Symposium on Data Science and Statistics, Virtual	Jun 2020
10. The Southern Regional Science Association (SRSA), Washington, DC	2019
9. The North American Regional Science Council (NARSC), Pittsburgh, PA	2019
8. Public Choice Society Annual Meetings, Louisville, KY	2019

7. Graduate Research Workshop - Institute for Humane Studies, Washington, DC 2019
6. YSI North America Convening, Los Angeles, CA 2019
5. The Southern Regional Science Association (SRSA), Philadelphia, PA 2018
4. The North American Regional Science Council (NARSC), San Antonio, TX 2018
3. Applied Economics and Regional Science (AERS), Columbus, OH 2018
2. The Southern Regional Science Association (SRSA), Memphis TN 2017
1. Applied Economics and Regional Science (AERS), Morgantown, WV 2017

Last updated: Friday 11<sup>th</sup> October, 2024