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RESEARCH INTERESTS

Applied Econometrics and Causal Inference, Health Economics, Healthcare Workforce and Regulation, Opioid Crisis and Substance Use, Public Choice and Regulatory Economics, Institutional Economics

ACADEMIC POSITIONS AND TEACHING

Assistant Professor of Economics: *Appalachian State University, Walker College of Business, Department of Economics*, Boone, North Carolina 2023-Present

Applied Econometrics Spring 2026, Fall 2025
 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 2025/26, Fall 2025/24/23, Summer 2025/24

Assistant Professor of Economics: *Shippensburg University*, Shippensburg, Pennsylvania 2020-2023

Economic Analysis of Big Data, Regional Economics, Managerial Economics, Portfolio Optimization, Data Analytics, Principles of Macroeconomics, Principles of Microeconomics, Principles of Economics

Graduate Teaching Assistant: West Virginia University 2018-2020

Elementary Business and Economic Statistics
 Principles of Macroeconomics

Graduate Research Assistant: Regional Research Institute (RRI), WVU 2016-2018

RESEARCH AFFILIATIONS

Mentor: *AIM-AHEAD Bridge2AI AI-READI Program (NIH-funded)*, National Institutes of Health/AIM-AHEAD Consortium, Fort Worth, Texas 2026-Present

Mentor: *AIM-AHEAD Clinicians Leading Ingenuity in AI Quality (CLINAQ) Fellowship (NIH-funded)*, National Institutes of Health/AIM-AHEAD Consortium, Fort Worth, Texas 2026-Present

Research Fellow: *Archbridge Institute*, Washington, District of Columbia 2026-Present

Nonresident Scholar: The Sheila and Robert Challey Institute for Global Innovation and Growth, Fargo, North Dakota 2026-Present

Founding Engineer: *MyMeritGuide, LLC*, Boone, North Carolina 2026-Present

Cloud Analytics Faculty Fellow: Appalachian State University CAFF Program (Appalachian Regional Commission ARISE), with Research Institute for Environment, Energy, and Economics (RIEEE) and High Technology Foundation of West Virginia 2026-Present

Research Fellow: *AIM-AHEAD Bridge2AI for Clinical Care Training Program (NIH-funded)*, National Institutes of Health/AIM-AHEAD Consortium, Fort Worth, Texas 2025-2025

Research Affiliate: *Knee Regulatory Research Center*, John Chambers College of Business and Economics, West Virginia University, Morgantown, West Virginia 2023-Present

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

EDUCATION

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

PUBLICATIONS

44. Miske, O., ..., **Shakya, S.**, ... et al. (2026). Investigating the reproducibility of the social and behavioural sciences. *Nature* [Download](#)
43. Tyner, A., ..., **Shakya, S.**, ... et al. (2026). Investigating the replicability of the social and behavioural sciences. *Nature* [Download](#)
42. Kanimian, S. & **Shakya, S.** (2026). When a Neighbor Closes: Ownership and Hospital Profits. *Eastern Economic Journal*. [Download](#)
41. Ammons, J. & **Shakya, S.** (2026). Town, Gown, and Touchdowns: How Athletic Re-classification Shapes Local Entrepreneurial Ecosystems. *Journal of Business Venturing Insights*. [Download](#)
40. **Shakya, S.** and RoyChoudhury, A. (2026). Access to mental health care services and suicide rates in the United States. *Journal of Policy Analysis and Management*. [Download](#)
39. Babaei-Balderlou, S. and **Shakya, S.** (2026). The Invisible Hand of Gen-AI: Can AI-Enhanced Study Groups Improve Learning Outcomes? *The Journal of Economic Education*. *Forthcoming*
38. Ammons, J., **Shakya, S.** & Zhukov, K. (2026). Covert Regime Change and Ideology. *Public Choice*. [Download](#)
37. **Shakya, S.** and Ammons, J. (2025). The Invisible Hand Meets the Raised Fist: Social Movements and Market Legitimacy. *Journal of Economic Behavior & Organization*. [Download](#)
36. Ammons, J., **Shakya, S.**, & Callais, J. T. (2025). What do women get from a successful revolution? *Journal of Institutional Economics*. [Download](#)
35. Hodges, C. & **Shakya, S.** (2025). Prescription opioid spillovers: Retail pharmacy-level analysis. *Journal of Substance Use and Addiction Treatment*. [Download](#)
34. Nepal, T., & **Shakya, S.** (2025). Scope-of-Practice Regulations and Physician Assistant Inter-State Practice Relocation. *Journal of Labor Research*. [Download](#)
33. Sugg, M., **Shakya, S.**, Ulrich, S., Runkle, J., & Tyson, J. (2025). Mapping maternity care deserts: Driving distance and health outcomes in North Carolina. *The Journal of Rural Health*. DOI: 10.1111/jrh.70020. (NRHA Article of the Year, 2026.) [Download](#)
32. **Shakya, S.**, Nepal, T., Mathew, M., & Timmons, E. (2024). Anti-maintenance of certification and elderly physician supply. *Economics Letters*. [Download](#)

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31. **Shakya, S.**, & Plemmons, A. (2024). Scope of practice and opioid prescribing behavior of nurse practitioners serving Medicare beneficiaries. *Health Economics*. [Download](#)
 30. 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](#)
 29. **Shakya, S.**, Plemmons, A., & Norris, C. (2024). Military spouse licensing: A case study of registered nurses near military bases. *Journal of Regulatory Economics*. [Download](#)
 28. Beniwal, S., & **Shakya, S.** (2024). Hospital ownership changes and charge-to-cost shifts. *Economics Letters*. [Download](#)
 27. Ammons, J., & **Shakya, S.** (2024). Revolutions and corruption. *Public Choice*. [Download](#)
 26. **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](#)
 25. **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](#)
 24. **Shakya, S.**, & Levinstein, M. (2024). Grading policy, email nudges, and grade outcomes. *The Journal of Economic Education*. [Download](#)
 23. 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](#)
 22. 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](#)
 21. Neto, A., Nowicki, J., & **Shakya, S.** (2023). Do public libraries help mitigate crime? Evidence from Kansas City, MO. *The Journal of Cultural Economics*. [Download](#)
 20. **Shakya, S.**, & Ruseski, J. (2023). The effect of prescription drug monitoring programs on county-level opioid prescribing practices and spillovers. *Contemporary Economic Policy*. [Download](#)
 19. 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](#)
 18. **Shakya, S.**, & Hodges, C. (2022). Must access prescription drug monitoring programs and retail opioid sales. *Contemporary Economic Policy*. [Download](#)
 17. **Shakya, S.**, Ghosh, S., & Norris, C. (2022). Nurse licensure compact and mobility. *Journal of Labor Research*. [Download](#)

16. **Shakya, S.**, & Harrish, S. (2022). Medicaid expansion and opioid supply policies to address the opioid crisis. *Drug and Alcohol Dependence Reports*. [Download](#)
15. **Shakya, S.**, Li, B., & Etienne, X. (2022). Shale revolution, oil and gas prices, and drilling activities in the United States. *Energy Economics*. [Download](#)
14. **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](#)
13. **Shakya, S.**, Basnet, S., & Paudel, J. (2022). Natural disasters and labor migration: Evidence from Nepal's earthquake. *World Development*. [Download](#)
12. **Shakya, S.**, & Plemmons, A. (2022). Productivity spillovers and the productivity-compensation gap. *Spatial Economic Analysis*. [Download](#)
11. Long, A. J., **Shakya, S.**, Plemmons, A., & Stull, M. (2021). Is Time Really Money? Exploring the Temporal Actions Under Uncertainty in Crowdfunding Campaigns. *Frontiers of Entrepreneurship Research*. [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. (2020). Replication of a research claim from Bersani and Doherty (2013). *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](#)

REVISE AND RESUBMIT

4. Bailey, J., & **Shakya, S.** (n.d.). The impact of repealing Certificate-of-Need laws on healthcare spending: A causal analysis. *Health Economics*.
3. **Shakya, S.** and Ammons, J. (n.d.). The deep roots of revolution: Folklore and revolts. *Journal of Public Finance and Public Choice*.
2. **Shakya, S.**, Ammons, J., & Mahmood, T. (n.d.). The Development Costs of Revolution: Evidence from Violent and Nonviolent Transitions. *Kyklos*.
1. **Shakya, S.**, Morgan, A., Orozco, E., & Timmons, E. (n.d.). Healthcare Policy Spillovers: Impact on Nurse Practitioners and Health Outcomes in North Carolina. *Journal of Regulatory Economics*. [Download](#)

UNDER REVIEW

9. Starr K. & **Shakya, S.** Childcare Regulation and Childcare Access. *Southern Economic Journal*.
8. **Shakya, S.** & Ammons, J. (n.d.). Legislative party cohesion and institutional checks and balances: Cross-country evidence, 1950–2024. *Journal of Comparative Economics*.
7. **Shakya, S.**, Bedi, J., and Plemmons, A. (n.d.). Scrubbed Down: Nurse Practitioner Scope of Practice and Entrepreneurship in the United States. *Journal of Business Venturing*.
6. Sugg, M., Ulrich, S., Runkle, J., and **Shakya, S.** (n.d.). Geographic Access to Maternity Care and the Hidden Burden of Maternal Mental Health: A Spatial Analysis of Diagnosis Disparities in North Carolina. *Obstetrics & Gynecology*.
5. Deyo, D., **Shakya, S.**, Ampaabeng, K., Norris, C., & Timmons, E. (n.d.). Unintended endings: The effects of municipal massage therapist licensing on crime. *Southern Economic Journal*.
4. Bedi, J., **Shakya, S.**, & Jia, S. (n.d.). Closing time: Impacts of deportation on entrepreneurship. *Journal of Labor Research*.
3. **Shakya, S.**, & Nepal, T. (n.d.). More Access, Same Workforce: Evidence from the Physical Therapy Compact. *Journal of Regulatory Economics*.
2. Beniwal, S., **Shakya, S.**, Kanimian, S., & Anderson, D. (n.d.). Impact of Affordable Care Act Medicaid Expansion on Appointment Wait Time in Community Medical Centers. *The American Journal of Managed Care*.
1. **Shakya, S.** & Timmons, E. (n.d.). Physician Associate Practice Modernization in North Dakota. *Health Policy*

CURRENT PROJECTS

1. **Principal Investigator**, *Comparing Traditional, Oral, Excel-Based, and Agentic AI Assessment Formats: A Blocked Incomplete-Crossover Field Experiment* (IRB Protocol #HS-26-398), Appalachian State University, July 2026.

2. **Shakya, S.**, Kaleta, J., Zelazny, L., Hadley, B., Hassler, E., Nandi, S., Love Johnson, A., Silvey, J., and Shows, G. D. (n.d.). A Participatory Framework for AI Governance in Business Education.
3. **Shakya, S.**, Kaleta, J., Zelazny, L., Hadley, B., Hassler, E., Nandi, S., Love Johnson, A., Silvey, J., and Shows, G. D. (n.d.). From Responsible AI Principles to Local Implementation: A Business College Case Study.
4. **Shakya, S.**, Kaleta, J., Zelazny, L., Hadley, B., Hassler, E., Nandi, S., Love Johnson, A., Silvey, J., and Shows, G. D. (n.d.). Designing Responsible AI Implementation Artifacts for Business Education.
5. Landvatter, J., and **Shakya, S.** (n.d.). Daily-Life Predictors of Mean Glucose and Glucose Variability in AI-READI: Environmental Exposures, Sleep, and Physiological Stress.
6. Jenoch, J., **Shakya, S.**, and Odera, J. (n.d.). Machine Learning and Maternal Mental Health Prediction: A Systematic Agentic AI-based Review.
7. Nepal, T., Sigaud, L., and **Shakya, S.** (n.d.). Assistant Physicians in Missouri: Program Growth and State-Level Effects.
8. Thakkar, S. & **Shakya, S.** (n.d.). The Economic Costs of Disaster-Related Property Damage: Valuing Mental Health Impacts of Climate Change.
9. **Shakya, S.**, Ammons, J., and Geloso, V. (n.d.). The polyarchy paradigm: Unraveling corruption and fostering transparency.
10. Muhammad, N., & **Shakya, S.** (n.d.). Hospital mergers and acquisitions: A financial profit analysis.
11. **Shakya, S.**, & Jahan, I. (n.d.). Democracy and Women's Empowerment: Political Access vs. Economic Opportunity.
12. **Shakya, S.** & Ammons, J. (n.d.). Impact of Recreational Marijuana Laws on Risky Behaviors.
13. Adhikari, M., **Shakya, S.**, Sylvia, S., & Holmes, M. (n.d.). Cultural practices, gender norms, and household resource allocation in crisis.
14. **Shakya, S.**, & Dutta, N. (n.d.). Financial inclusion for females and individualism: Does education act as a mediator?
15. **Shakya, S.**, & Ghosh, S. (n.d.). Foreign Professional Credentialing: Addressing Labor Shortages by Tapping Underutilized Workforce.

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 Full Practice Authority and Access to Primary Care in North Carolina. [Download](#)
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](#)

OP-EDS AND POPULAR WRITING

2. **Shakya, S.** and RoyChoudhury, A. (July 13, 2026). Reduce Suicide Rates by Expanding Psychologists' Prescriptive Authority. *The Archbridge Institute*. [Link](#)
1. Babaei-Balderlou, S., & **Shakya, S.** (March 5, 2026). We designed an AI tutor that helps college students reason rather than give them answers. *The Conversation*. [Link](#)

MEDIA COVERAGE

10. Guest segment on an AI tutor that helps college students reason rather than give them answers. *The Last Show with David Cooper* (Apple Podcasts), March 2026. [Link](#)
9. The Carolina Journal. (2025, January 14). Central planning fails in health care. *The Carolina Journal*. Retrieved from [Link](#).
8. InForum. (2024, February 12). The right prescription for further improvement in North Dakota health care. *InForum*. Retrieved from [Link](#).
7. ABC-7. (2024, January 8). FGCU professor says public libraries lower crime. *ABC-7*. Retrieved from [Link](#).
6. News-Medical. (2024, January 8). Immigrant healthcare professionals: essential pillars of the U.S. health system. *News-Medical*. Retrieved from [Link](#).
5. WisPolitics. (2023, November 14). Wisconsin is right to reimagine nurse practitioners to address healthcare shortages. *WisPolitics*. Retrieved from [Link](#).
4. Frontier Institute. (2023, May 16). Reforms to increase Montanans access to healthcare are a welcome development, let's hope lawmakers agree. *Frontier Institute*. Retrieved from [Link](#).
3. Deseret News Editorial Board. (2023, May 16). Pharmacists and psychologists prescribing medication: A new law. *Deseret News*. Retrieved from [Link](#).
2. Missoulian Opinion, (2023, March 16). Montana can become a national leader by empowering pharmacists. *Missoulian*. Retrieved from [Link](#).
1. Modern Healthcare. (2023, March 2). Pharmacists know all about medications, so why can't they prescribe them? *Modern Healthcare*. Retrieved from [Link](#).

BOOK CHAPTERS

1. Pham, T., **Shakya, S.**, and Scarcioffolo, A. (2025). The Impact of Funded Campaigns in Shaping Voting Outcomes - A Case of California Proposition 8, *Empirical Applications of the Median Voter Model*.

BOOKS UNDER DEVELOPMENT

2. **Shakya, S.** (n.d.). *Business Statistics and Economics: NOAA Data Modules (STAT2200)*. Open-access course modules (Cloud Analytics Faculty Fellows). [Link](#)
1. **Shakya, S.** (n.d.). *Mostly Handsdirty Metrics*. Open-access course text. [Link](#)

EXTERNAL FUNDING

16. **Shakya, S.** (n.d.). Digital Governance as Liberal Experimentation: A Comparative Inventory of Parliamentary Open Data, Artificial Intelligence, and Voting Transparency. Institute for Humane Studies, George Mason University (Grant IHS020785). **\$3,500** Funded.
15. **Shakya, S.** (n.d.). Certificate of Need: Meta-Analysis with Agentic-AI Workflow and Human Verification. Institute for Humane Studies, George Mason University (Grant IHS020578). **\$5,000** Funded.
14. Starr, K., & **Shakya, S.** (2026). Academic Mentorship Grant, Institute for Humane Studies, George Mason University (Grant IHS019473). **\$8,000** Funded.
13. Kanimian, S., & **Shakya, S.** (n.d.). Academic Mentorship Grant, Institute for Humane Studies, George Mason University (Grant IHS018488). **\$8,000** Funded.
12. **Shakya, S.** (2026). Cloud Analytics Faculty Fellows (CAFF) module development with RIEEE and High Technology Foundation of West Virginia. Appalachian State University / Appalachian Regional Commission ARISE. **\$5,000** Funded.
11. **Shakya, S.** (2026). North Carolina Dental Care Policy Initiative, John William Pope Foundation. **\$40,000** Funded.
10. Flourishing and the Future Conference at Chetola Resort at Blowing Rock. **\$100,000** Funded. Aug 2025.
9. NIH AIM-AHEAD Program for Artificial Intelligence Readiness (PAIR) Program Cohort. **\$125,000** Not Funded. Jan 2025.
8. Long-Term Mental Health Impacts of Climate Change-Related Natural Disasters: A Causal Analysis of Depressive and Cognitive Symptoms, Research at Appalachian Impact Seed Funding (REALISE) program. **\$13,500** Not Funded. 2024.
7. **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.
6. Ammons, J. and **Shakya, S.** (2024). Seeding reform or reaping chaos? Liberal institutional outcomes of violent vs. nonviolent revolutionary regime changes, Governing Deep Differences Grant Program, Center for Governance and Markets, University of Pittsburgh. **\$9,500** Funded.

5. 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.
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. Ghosh, S., Plemmons, A., and **Shakya, S.** (2023). NCSBN Center for Regulatory Excellence. **\$15,000** Not 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. **\$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. **\$4,986** Funded.

AWARDS

Recipient of NIDA-sponsored scholarship for the Innovations for Substance Use Disorders (I4SUD) Certificate Program at Johns Hopkins Carey Business School	2026
Article of the Year, <i>Journal of Rural Health</i> (National Rural Health Association)	2026
Entrepreneurship Accelerator Program, Transportation Insight Center for Entrepreneurship, Appalachian State University,	2026
AIM-AHEAD Bridge2AI for Clinical Care Training Program - Cohort 1 Award	2025
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

TECHNICAL EXPERTISE

Programming and data analysis: R, SQL, Python, L^AT_EX
OMOP Common Data Model (CDM) and clinical care analytics
 Development and deployment of **locally hosted Agentic-AI** systems for research
 Ed-tech and assessment: **Founding Engineer**, [MyMeritGuide](#) (see Research Software and Web Platforms)

RESEARCH SOFTWARE AND WEB PLATFORMS

MyMeritGuide (Founding Engineer): mymeritguide.com. Agentic-AI platform for scalable, FERPA-aligned oral assessment and authentic learning validation. Full-stack delivery on AWS (React/TypeScript/Vite, containerized API on ECS Fargate, PostgreSQL/RDS, S3, CloudFront). Invention disclosed to Appalachian State University as *AI-Powered Assessment Platform for Universities*; Intellectual Property Council recognized the disclosure as an invention (June 2026).

Domain-Agnostic Meta-Analysis Workspace: Schema-driven systematic review and quantitative meta-analysis pipeline (structured extraction CSVs, PRISMA-oriented wiki synthesis, validation tooling) for reproducible evidence synthesis across applied research domains.

Court Opinions Research Corpus: Automated harvest and indexing of U.S. judicial opinions from the CourtListener API into structured cluster/opinion bundles for legal/economic analysis.

Historical News Archive Pipeline: Playwright-based automation for systematic capture and cataloging of newspaper coverage from licensed digital archives for qualitative and historical policy research.

Academic Literature Knowledge Base: Gradio web interface for citation-grounded Q&A over an LLM-maintained research wiki (wikilinks, BibTeX export, embedded knowledge graph) supporting literature synthesis.

INVITED RESEARCH PRESENTATION

31. **Shakya, S.** (2026). Beyond the Monolith: A Subgroup-Conditional Immigration Narrative. Reframing Immigration Through Research: A Papers Workshop, Chicago, July 10–11, 2026
30. **Shakya, S.** (2026). State-level policies and healthcare. Human Progress and Flourishing Workshop, Sheila and Robert Challey Institute for Global Innovation and Growth, North Dakota State University, Fargo, ND, April 10, 2026. [Link Video](#)
29. From License to Practice: Gender Disparities in Health Care. Appalachian State University, April 2025.
28. Bailey, J., & **Shakya, S.** (n.d.). The impact of repealing Certificate-of-Need laws on healthcare spending: A causal analysis. Research and Creative Activity at Appalachian, Appalachian State University, February 2025.
27. **Shakya, S.**, Ammons, J., and Geloso, V. (n.d.). The polyarchy paradigm: Unraveling corruption and fostering transparency, Stephenson Institute, Washington DC, November 2024.
26. **Shakya, S.**, Ammons, J., Mahmood, T. I. (n.d.). How Do Revolutions Affect Development?, Stephenson Institute, Washington DC, November 2024.
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, Washington DC, October 2024.

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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 36th 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

49. Multiple papers presentation, discussants of multiple papers, and session chairs.
48. Idea-to-Impact Collider Workshop & Reception, Boone, NC May 2026
47. Workshop in Experimental & Environmental Economics, Boone, NC Apr 2026
46. Human Progress & Flourishing Workshop presentation, Challey Institute for Global Innovation, Fargo, ND Apr 2026
45. Appalachian Research in Business Symposium (ARBS), Boone, NC Apr 2026
44. Public Choice Society Annual Meetings, San Antonio, TX Mar 2026
43. Mountains to Coast Flood Resiliency Collider, Wilmington, NC Feb 2026
42. Southern Economic Association (SEA), Tampa, FL Nov 2025
41. Flourishing and the Future Conference, Boone, NC Aug 2025
40. 2025 AIM-AHEAD Annual Meeting, Fort Worth, TX Jul 2025
39. Bridge2AI All Hands Conference, Rockville, MD May 2025

38. Association of Private Enterprise Education (APEE), Guatemala	Apr 2025
37. Public Choice Society Annual Meetings, Louisville, KY	Mar 2025
36. Southern Economic Association (SEA), Washington, DC	Nov 2024
35. Annual Global Symposium, Boone, NC	Nov 2024
34. 2024 Markets and Society Conference, Washington, DC	Oct 2024
33. Research and Creative Activity at Appalachian, Boone, NC	Sep 2024
32. The Classical Liberals in the Carolinas, Greenville, SC	Aug 2024
31. The Classical Liberals in the Carolinas, Winston-Salem, NC	Aug 2024
30. Scope of Practice Conference, West Virginia University, Morgantown, WV	Jul 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 Economists, 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 Economists, Virtual	Jun 2021
17. Western Economic Association International, Virtual	Jun 2021
16. Knee Center Occupational Licensing Conference, West Virginia University, Virtual	May 2021
15. The Southern Regional Science Association (SRSA), Virtual	Mar 2021
14. Southern Economic Association (SEA), Virtual	Nov 2020
13. The North American Regional Science Council (NARSC), Virtual	Nov 2020
12. Symposium on Data Science and Statistics, Virtual	Jun 2020
11. Annual Knee Center Occupational Licensing Conference, Virtual	May 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

MENTORSHIP

Katherine Starr, West Virginia University (Institute for Humane Studies Academic Mentorship Grant IHS019473) 2026

Joshua Landvatter, Postdoctoral Fellow, Behavioral Sleep Medicine Laboratory, University of Utah 2026

Ja'Nya Jenoch, Ph.D., Visiting Assistant Professor of Sociology 2026

Indira Kuppa, Master's Student, Healthcare Informatics, George Mason University 2025

Dharmi Kalpesh Desai, Health Services Research, Department of Economics, George Mason University 2025

Jake Sheeler, MBA, Walker College of Business, Appalachian State University 2024

Anna Carroll, BSBA, Walker College of Business, Appalachian State University 2024

Salpy Kanimian, Ph.D. Candidate, Department of Economics, Rice University (Institute for Humane Studies Academic Mentorship Grant IHS018488) 2024

Mukesh Adhikari, Ph.D. student, University of North Carolina, Gillings School of Global Public Health, Department of Health Policy and Management 2024

Edgar Orozco, Ph.D. Candidate, Department of Economics, West Virginia University 2024

Tulasiram Nepal, Ph.D. student, Fogelman College of Business and Economics, The University of Memphis 2023

Sukriti Beniwal, Ph.D. Candidate, Department of Economics, Georgia State University 2024

Christine Bretschneider Fries, Department of Economics, West Virginia University 2023

Joshua D. Ammons, Ph.D. Candidate, Department of Economics, George Mason University 2023-Present

DEPARTMENTAL/COLLEGE/UNIVERSITY SERVICES

□ University-level

Academic and Emerging Technologies Governance Group Fall 2026 - present

First Year Scholarship Review Fall 2024 - present

□ College-level

WCOB Artificial Intelligence Working Group Spring 2025 - present

Dean's Club Research Prize committee, Walker College of Business Spring 2025 - present

WCOB Curriculum Committee Fall 2024, Spring 2025 - present

□ Department-level

Economics Faculty Search Committee Spring 2024 - present

Brashear Prize Selection Committee

Fall 2023 - present

DISCIPLINARY SERVICES

Reviewer: ISCAP Conference (2026), PLOS One (2026), Journal of Economic Education (2026), Eastern Economic Journal (2026), Journal of Economics, Race, and Policy (2026), Journal of Comparative Economics (2026), Public Choice (2025, 2026), Small Business Economics (2023, 2025, 2026), Health Affairs (2025, 2026), Journal of Economic Behavior and Organization (2025), Journal of Regulatory Economics (2025), Journal of Institutional Economics (2025), Southern Economic Journal (2024, 2025), Contemporary Economic Policy (2020, 2025), Journal of Substance Use and Addiction Treatment (2024), Drug and Alcohol Review (2023), Energy Economics (2023), Pharmacoepidemiology and Drug Safety (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), 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

Last updated: Thursday 23rd July, 2026

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