

Assistant Research Professor  
Community & Economic Development Initiative of Kentucky (CEDIK)  
College of Agriculture, Food, and Environment  
University of Kentucky

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## EDUCATION

### West Virginia University, Morgantown, WV

Ph.D. in Natural Resource Economics 2019

- Dissertation Title: "Three Essays on Utilizing Spatial Econometrics in Natural Resource Economics related to Water, Health, and Energy"
- Committee: Alan R. Collins (chair), Randall W. Jackson, Daniel S. Grossman, Donald J. Lacombe, Michael P. Strager

### West Virginia University, Morgantown, WV

Master of Science in Agricultural and Resource Economics 2014

### University of Tehran, Tehran, Iran

Master of Science in Agricultural Economics 2007

### University of Kerman, Kerman, Iran

Bachelor of Science in Agricultural Economics 2000

## WORK EXPERIENCE

### Assistant Research Professor

Community & Economic Development Initiative of Kentucky (CEDIK) (UK) November 2019–Present

### Postdoctoral Scholar

Community & Economic Development Initiative of Kentucky (CEDIK) (UK) October 2019–November 2019

### Graduate Research Assistance

Regional Research Institute (WVU) May 2013–August 2019

### Economics Consultant

Permanent Management of Ariayian Land Corporation (Iran) July 2007–July 2011

### Department Chair

Department of Management- Molana University (Iran) September 2010–September 2011

### Economics Intern

Bureau of Planning and Budget (Iran) May 1999–August 1999

## TEACHING EXPERIENCE

Introductory Agricultural and Agribusiness Economics (WVU) January 2019–May 2019

Applied Demand Analysis (Co-teaching) (WVU) August 2016–December 2016

Agricultural Economics (Iran) September 2007–July 2012

Marketing of Agricultural Products (Iran) September 2007–July 2012

Development Economics (Iran) September 2007–July 2012

International Economics (Iran) September 2007–July 2012

<b>Microeconomics (Iran)</b>	September 2007–July 2012
<b>Macroeconomics (Iran)</b>	September 2007–July 2012
<b>Production Management (Iran)</b>	September 2007–July 2012
<b>Research Methods (Iran)</b>	September 2007–July 2012
<b>Accounting (Iran)</b>	September 2007–July 2012

## JOURNAL PUBLICATIONS

1. Alzahrani, F., Collins, A. R., & **Erfanian, E.** (2020). Drinking Water Quality Impacts on Health Care Expenditures in the United States. *Water Resources and Economics*. 100162.
2. **Erfanian, E.**, & Collins, A. R. (2020). Air Quality and Asthma Hospitalization: Evidence of PM2.5 Concentrations in Pennsylvania Counties. *Journal of Regional Analysis & Policy*. 50(1):1-15.
3. Court, Ch. & **Erfanian, E.** (2019). A Role for Regional Science in Analyzing Water Issues. *The Review of Regional Studies*. 49(2):184-189.
4. Jackson, R., Neto, A. B. F., **Erfanian, E.**, & Járosi, P. (2019). Woody Biomass Processing and Rural Regional Development. *Economic Development Quarterly*. 33(3):234-247.
5. **Erfanian, E.**, Collins, A. R. & Grossman, D. (2019). The Impact of Naloxone Access Laws on Opioid Overdose Deaths in the U.S. *The Review of Regional Studies*. 49(1):45-72.
6. **Erfanian, E.**, & Collins, A. R. (2018). Charges for Water and Access: What Explains the Differences among West Virginian Municipalities? *Water Economics and Policy*. 4(04):1850017.
7. Jackson, R., Neto, A. B. F., & **Erfanian, E.** (2018). Woody Biomass Processing: Potential Economic Impacts on Rural Regions. *Energy Policy*. 115:66-77.
8. **Erfanian, E.**, & Neto, A. B. F. (2017). Scientific Output: Labor or Capital Intensive? An Analysis for Selected Countries. *Scientometrics*, 112(1):461-482.
9. Hall, J., **Erfanian, E.**, Stair, C. (2016). Voting Behavior on Carbon Pollution from Power Plants. *Oil, Gas & Energy Quarterly*. 64(4):707-710.
10. **Erfanian, E.** (2015). Book Review: *Environmental & Development Economics: Essays in Honour of Sir Partha Dasgupta* by Barrett, Mäler, and Eric S. Maskin. *The Review of Regional Studies*. 45(2):198-200.
11. Shahbazi, H. & **Erfanian, Z.** (2009). Estimation of Welfare Loss Derived by Monopoly in Iran Milk Industry, *Journal of Agricultural Economics and Development*. No 65. (In Persian)
12. Hosseini, S. & **Erfanian, Z.** (2008). Modeling the Effects of Advertising on the Demand for Dairies in Iran (Case Study: Iran Milk Industries), *Journal of Iranian Agricultural Science and Industries Research*. No 39. (In Persian)

## EXTENSION PUBLICATIONS

1. **Erfanian, E.** Naloxone Access Laws: What We Know About Kentucky? *Research & Policy Bulletin (CEDIK)*. May 2020.

## WORKING PAPERS

1. Shakya, Sh., **Erfanian, E.**, & Scarcioffolo, A. (2020) . The Political Economy of Vermonts Abortion Bill. *Regional Research Institute Working Papers*. 216. [https://researchrepository.wvu.edu/rri\\_pubs/216](https://researchrepository.wvu.edu/rri_pubs/216)

## RESEARCH IN PROGRESS

1. Cushing, B., Tomas Sayago Gomez, J., & **Erfanian, E.** The Impacts of Oil and Gas Developments on the Opioids Overdose Deaths in the U.S. To be submitted to The Review of Regional Studies by August 2021.
2. **Erfanian, E.**, Tomas Sayago Gomez, J., & Cushing, B. Regional Impacts of Prescription Drug Monitoring Programs (PDMPs) on U.S. Drug Overdose Deaths. To be submitted to the Journal of Regional Science by August 2021.
3. **Erfanian, E.**, Chen, J. & Houdges, C. Long-term Debt in Water Utilities: Does the Ownership Matter? Evidence of West Virginian's Water Utilities. To be submitted to the Applied Economics Letters by December 2020.
4. Cushing, B., Peters, D., & **Erfanian, E.** What Regional Science Has Taught Us and How It Can Still Contribute to Our Understanding of the Opioid Crisis. To be submitted to The Review of Regional Studies by October 2020.
5. **Erfanian, E.**, Cushing, B., Tomas Sayago Gomez, J. How Do States Respond to Mitigate Opioid Epidemic Through Recovery and Treatment Programs? To be submitted to the Journal of Regional Analysis and Policy by December 2021.
6. **Erfanian, E.**, & Davis, A. What Economic Impacts Do Hospitals Have on Other Healthcare and Non-Healthcare Industries? To be submitted to the Journal of Rural Health by December 2022.
7. **Erfanian, E.**, & Davis, A. Presence of Hospitals and Firm Location Decisions in the United States. To be submitted to the Journal of Regional Analysis and Policy by December 2023.
8. **Erfanian, E.**, & Davis, A. Water Systems and Health Inequalities in the Rural South. To be submitted to the Water Resources and Rural Development by December 2022.

## CONFERENCE PRESENTATIONS

1. **Erfanian, E.**, Cushing, B., & Tomas Sayago Gomez, J. (2019). Regional Impacts of Prescription Drug Monitoring Programs (PDMPs) on U.S. Drug Overdose Deaths. North American Regional Science Council, especial session on opioid crisis. Pittsburgh, PA. (Presented by Erfanian) November 2019.
2. Cushing, B., Tomas Sayago Gomez, J., & **Erfanian, E.** (2019). The Impacts of Oil and Gas Developments on the Opioids Overdose Deaths in the U.S. North American Regional Science Council, especial session on opioid crisis. Pittsburgh, PA. (Presented by Cushing and Gomez) November 2019.
3. **Erfanian, E.**, Cushing, B., & Tomas Sayago Gomez, J. (2019). Regional Impacts of Prescription Drug Monitoring Programs (PDMPs) on U.S. Drug Overdose Deaths. Presented at Southern Regional Research Association, especial session on opioid crisis. D.C. (Presented by Erfanian) April 2019.
4. Cushing, B., Tomas Sayago Gomez, J., & **Erfanian, E.** (2019). The Impacts of Oil and Gas Developments on the Opioids Overdose Deaths in the U.S. Presented at Southern Regional Research Association, especial session on opioid crisis. D.C. (Presented by Cushing and Gomez) April 2019.
5. **Erfanian, E.**, Jackson, R., Pokharel, S. B. (2018). Regional Impacts of Prescription Drug Monitoring Programs (PDMPs) on U.S. Drug Overdose Deaths. Presented at North American Regional Science Council. San Antonio TX. (Presented by Erfanian) November 2018.
6. **Erfanian, E.**, Jackson, R., Pokharel, S. B. (2018). Regional Impacts of Prescription Drug Monitoring Programs (PDMPs) on U.S. Drug Overdose Deaths. Presented at Southern Demographic Association. Durham NC. ((Presented by Erfanian) October 2018.
7. **Erfanian, E.**, Collins, A., Grossman, D. (2018). The Impact of Naloxone Access Laws on Opioid Overdose Deaths in the U.S. Presented at Southern Regional Research Association, especial session on opioid crisis. Philadelphia PA. 2018. (Presented by Erfanian) March 2018.
8. **Erfanian, E.** (2018). Ambient Air Pollution and Asthma Hospitalization: Evidence of Pennsylvania Counties. Presented at Southern Regional Research Association. Philadelphia PA. 2018. (Presented by Erfanian) March 2018.

9. **Erfanian, E.**, and Chen, J. (2018). Long-Term Debt in Water Utilities: Does Ownership Matter? Evidence of West Virginia Utilities. The 6th University of Florida Water Institute Symposium. Gainesville FL. 2018. (Presented by Erfanian) February 2018.
10. **Erfanian, E.**, Collins, A., Grossman, D. (2017). The Impact of Naloxone Access Laws on Opioid Overdose Deaths in the U.S. Presented at Southern Demographic Association. Morgantown WV. 2017. (Presented by Erfanian) October 2017.
11. **Erfanian, E.**, Collins, A., Grossman, D. (2017). Naloxone Access Law and Opioid Overdose in the U.S. Presented at Southern Regional Science Association. Memphis TN. (Presented by Erfanian) March/April 2017.
12. **Erfanian, E.**, Collins, A., Grossman, D. (2017). Naloxone Access Law and Opioid Overdose in the U.S. Presented at Annual Midwest Graduate Student Summit 2017. Columbus OH. (Presented by Erfanian) April 2017.
13. **Erfanian, E.**, Collins, A. (2016). Water Utility Pricing and Minimum Charges: What Explains the Differences? Evidence of Municipalities in West Virginia. Presented at Southern Regional Science Association. D.C. (Presented by Erfanian) March/April 2016.
14. **Erfanian, E.**, Collins, A. (2016). Water Utility Pricing and Minimum Charges: What Explains the Differences? Evidence of Municipalities in West Virginia. Presented at Northeast Agricultural and Resource Economics Association. Bar Harbor ME. (Presented by Collins) June 2016.
15. **Erfanian, E.**, Collins, A. (2016). Water Utility Pricing and Minimum Charges: What Explains the Differences? Evidence of Municipalities in West Virginia. Presented at North American Regional Science Council. Minneapolis MN. (Presented by Erfanian) November 2016.
16. **Erfanian, E.**, & Neto, A. (2016). Scientific output: Labor or Capital Intensive? An Analysis for Selected Countries. Presented at Academy of Economics and Finance. Charleston SC. (Presented by Neto) February 2016.
17. Kaboli, H., & **Erfanian, Z.** (2010). Economic Analysis of Range Management Projects, Case Study: Bar Aftab. 4th Conference of Natural Recourses of Iran. Tehran Iran. (In Persian) (Presented by Kaboli)

## AWARDS AND HONORS

Co-recipient of the award for Best Paper in Economics by a Graduate Student at the Academy of Economy and Finance. 54th annual conference. February 2016. Charleston, SC.

Recipient of the Thomas F. Torries Outstanding Ph.D. Paper award. School of Natural Resource. West Virginia University. May 2017.

Graduate Resource Economics Club Vice President, West Virginia University (2015-2017)

## AWARDED GRANTS

1. Elham Erfanian (PI), Alison Davis (Co-PI), ARC Coal Industry Ecosystem (CIE) Analysis Extensions. Appalachian Regional Commission, Subaward from West Virginia University, \$33,308, 7/19-9/20.
2. Alison Davis (PI), Jenny Minier (Co-PI), Mike Clark (Co-PI), Jennifer Hunter (Co-PI), Elham Erfanian (Co-PI), Christina Studts (Co-PI), Ernie Scott (Co-PI), The Economic Importance of Healthcare to Rural Communities, \$500,000, USDA NIFA AFRI, 2/2019-1/2022.
3. Alison Davis (PI), Ernie Scott (Co-PI), Elham Erfanian (Co-PI), National Rural Health Economic Analysis Center, HRSA Office of Rural Health Policy, \$675,000, 9/19-8/22.

## INVITED WEBINAR

1. The Impact of Naloxone Access Laws on Opioid Overdose Deaths in the U.S. The Review of Regional Studies. Invited webinar in the North Central Regional Center for Rural Development. Michigan State University. September 2019.

**JOURNAL REVIEWER**

1. Review for Regional Studies
2. Journal of Regional Analysis and Policies
3. Scientometrics
4. Journal of Private Enterprise
5. Journal of Entrepreneurship and Public Policy
6. International Advances in Economic Research
7. Heliyon
8. Revista Brasileira De Estudos Regionais E Urbanos
9. International Journal of Finance & Economics

**PROFESSIONAL ACTIVITIES**

Administration, Session Chair, Discussant

1. Southern Regional Science Association (SRSA), 2015
2. Southern Regional Science Association (SRSA), 2016
3. Southern Regional Science Association (SRSA), 2017
4. Southern Regional Science Association (SRSA), 2018
5. Southern Regional Science Association (SRSA), 2019
6. North American Regional Science Council (NARSC), 2018
7. North American Regional Science Council (NARSC), 2019

**SKILLS (MODELING AND SOFTWARE)**

**Economics:** Spatial Econometrics, Time Series Analysis

**Software:** Matlab, R, EViews, GIS, GeoDa, Python, GitHub

**AFFILIATIONS**

Southern Regional Science Association (SRSA)

North American Regional Science Council (NARSC)

Regional Science Association International (RSAI)

American Economic Association (AEA)

Agricultural and Applied Economics Association (AAEA)

Southern Demography Association (SDA)