

# Wesley Wehde

Rogers-Stout Hall 301C  
PO Box 70651  
Johnson City, Tennessee, 37614

Phone: (806)-831-2133  
E-Mail: wehdew@etsu.edu  
Website: www.wehde.com

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## Academic Positions:

Assistant Professor (tenure track), August 2019 – present  
Public Administration Minor Coordinator, January 2020 - present  
Department of Political Science, International Affairs, and Public Administration  
East Tennessee State University, Johnson City, TN

## Education:

Ph.D. in Political Science, 2019  
University of Oklahoma, Norman, OK

- ◆ Fields: Public Policy, Public Administration, Research Methods
- ◆ Committee: Hank Jenkins Smith (chair), Carol Silva, Joseph Ripberger, Scott Robinson, and Edward Cokely (psychology)
- ◆ Dissertation: *From the Mundane to the Profound: Developing a Political Model of Weather Information Processing and Climate Change Beliefs*

M.A. in Political Science, 2017  
University of Oklahoma, Norman, OK

B.A. in Economics and Public Affairs/Administration, 2014  
University of Oklahoma, Norman, OK

## Refereed Publications:

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Elizabeth Bell, Ani Ter-Mkrtychyan, **Wesley Wehde**, Kylie Smith. “Just or Unjust? How Ideological Beliefs Shape Street-level Bureaucrats’ Perceptions of Administrative Burden.” *Accepted at Public Administration Review*.

**Wesley Wehde** and Matthew Nowlin. “Who’s Responsible before the Hurricane Comes: Public Attribution of Responsibility across Three Levels of Government.” *Accepted at Publius: The Journal of Federalism*.

Jinan Allan, Joseph Ripberger, **Wesley Wehde**, Makenzie Krocak, Carol Silva, and Hank Jenkins-Smith. “Geographic Distributions of Extreme Weather Risk Perceptions in the United States.” *Accepted for publication at Risk Analysis. Early view at <https://doi.org/10.1111/risa.13569>*.

Junghwa Choi, Scott Robinson, Romit Maulik, and **Wesley Wehde**. 2020. “What matters the most? Understanding individual tornado preparedness using machine learning.” *Nat Hazards* **103**, 1183–1200 (2020). <https://doi-org/10.1007/s11069-020-04029-1>

Makenzie Krocak, Sean Ernst, Jinan Allan, **Wesley Wehde**, Joseph Ripberger, Carol Silva, and Hank Jenkins-Smith. 2020. “Thinking outside the polygon: a study of tornado warning perception outside of warning polygon bounds.” *Natural Hazards*, 102: 1351–1368. <https://doi.org/10.1007/s11069-020-03970-5>.

Joseph Ripberger, Carol Silva, Hank Jenkins-Smith, Jinan Allan, Makenzie Krocak, **Wesley Wehde**, and Sean Ernst. 2020. "Exploring Community Differences in Tornado Warning Reception, Comprehension, and Response Across the United States." *Bulletin of the American Meteorological Society*, <https://doi.org/10.1175/BAMS-D-19-0064.1>

Junghwa Choi and **Wesley Wehde**. 2020. "Trust in Emergency Management Authorities and Individual Emergency Preparedness for Tornadoes." *Risk, Hazards & Crisis in Public Policy*, 11: 12-34. doi:[10.1002/rhc3.12185](https://doi.org/10.1002/rhc3.12185)

Elizabeth Bell, **Wesley Wehde**, and Madeleine Wiens-Stucky. 2020 "Supplement or Supplant? Estimating the Effect of State Lottery Earmarks on Higher Education Funding." *Education Finance and Policy*, 15.1: 136-163. [https://doi.org/10.1162/edfp\\_a\\_00262](https://doi.org/10.1162/edfp_a_00262).

Joseph Ripberger, Makenzie Krocak, **Wesley Wehde**, Jinan Allan, Carol Silva, and Hank Jenkins-Smith. 2019. "Measuring Tornado Warning Reception, Comprehension, and Response in the United States." *Weather, Climate, and Society*, 11.4: 863-880. <https://doi.org/10.1175/WCAS-D-19-0015.1>.

Junghwa Choi and **Wesley Wehde**. 2019. "Venue Preference and Earthquake Mitigation Policy: Expanding the Micro-Model of Policy Choice." *Review of Policy Research*, 36: 683-701. doi:[10.1111/ropr.12354](https://doi.org/10.1111/ropr.12354)

**Wesley Wehde**, Jason Pudlo, and Scott Robinson. 2019. "Is Anybody Out There?: Communication of Natural Hazard Warnings at Home and Away." *Social Science Quarterly* 100: 2607-2624. doi:[10.1111/ssqu.12641](https://doi.org/10.1111/ssqu.12641)

Deven Carlson, Joseph Ripberger, **Wesley Wehde**, Hank Jenkins-Smith, Carol Silva, Kuhika Gupta, Robert Berrens, and Benjamin Jones. 2019. "Benefit-Cost Analysis, Policy Impacts, and Congressional Hearings." *Journal of Benefit-Cost Analysis*, 10.1: 65-94. <https://doi.org/10.1017/bca.2018.28>

Scott Robinson, Jason Pudlo, and Wesley Wehde. 2019. The New Ecology of Tornado Warning Information: A Natural Experiment Assessing Threat Intensity and Citizen-to-Citizen Information Sharing. *Public Administration Review*, 79: 905-916. doi:[10.1111/puar.13030](https://doi.org/10.1111/puar.13030)  
- Included in Virtual Issue on Emergency Management in Public Administration (<https://tinyurl.com/y9mdep2b>) in March 2020.

Benjamin A. Jones, Robert P. Berrens, Hank Jenkins-Smith, Carol Silva, Joe Ripberger, Deven Carlson, Kuhika Gupta, and **Wesley Wehde**. 2018. "In search of an inclusive approach: Measuring non-market values for the effects of complex dam, hydroelectric and river system operations." *Energy Economics*, 69: 225-236. <https://doi.org/10.1016/j.eneco.2017.11.024>.

Kuhika Gupta, Joseph Ripberger, and **Wesley Wehde**. 2018. "Advocacy Group Messaging on Social Media: Using the Narrative Policy Framework to Study Twitter Messages about Nuclear Energy Policy in the United States." *Policy Studies Journal*, 46.1: 119-136. <https://doi.org/10.1111/psj.12176>.

## **Manuscripts Under Review:**

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**Wesley Wehde**, Joseph T. Ripberger, Hank Jenkins-Smith, Benjamin A. Jones, Jinan N. Allan, and Carol L. Silva. "Public Willingness to Pay for Continuous and Probabilistic Hazard Information." *R&R*.

## Non-refereed Publications:

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### Open Source Textbooks:

**Wehde, Wesley**; Jenkins-Smith, Hank; Ripberger, Joseph; Copeland, Gary; Nowlin, Matthew; Hughes, Tyler; Fister, Aaron; and Davis, Josie. 2020. *Quantitative Research Methods for Political Science, Public Policy and Public Administration for Undergraduates: 1st Edition with Applications* in R. Johnson City, TN: East Tennessee State University. <https://dc.etsu.edu/etsu-oer/5>

Version using Excel at: <https://dc.etsu.edu/etsu-oer/4>

Original graduate version at:

<https://open.umn.edu/opentextbooks/textbooks/quantitative-research-methods-for-political-science-public-policy-and-public-administration-with-applications-in-r-3rd-edition>.

### Policy Reports:

Carol Silva, Joseph Ripberger, Hank Jenkins-Smith, Makenzie Krocak, and **Wesley Wehde**. “Refining the Baseline: Public Reception, Understanding, and Responses to Severe Weather Forecasts and Warnings in the Contiguous United States”. Report prepared for NOAA’s Office of Weather and Air Quality through the U.S. Weather Research Program, December 2018. <http://risk.ou.edu/downloads/news/WX18-Reference-Report.pdf>

Hank C. Jenkins-Smith, Carol L. Silva, Deven Carlson, Kuhika Gupta, Benjamin Jones, Joseph Ripberger, **Wesley Wehde**, and Robert Berrens. “Estimating Non-Use Values for Alternative Operations of the Glen Canyon Dam: An Inclusive Value Approach.” Report for the U.S. Department of Energy, September 2016. [http://cess.ou.edu/resources/2016093-GCD\\_3B\\_FinalReport.pdf](http://cess.ou.edu/resources/2016093-GCD_3B_FinalReport.pdf)

### Invited Blog Posts:

Elizabeth Bell, **Wesley Wehde**, and Madeleine Stucky. “[Who wins and who loses when states earmark lottery revenue for higher education?](#)” Post for Brookings Institute Brown Center Chalkboard blog, May 2018.

Kuhika Gupta, Joseph Ripberger, and **Wesley Wehde**. “[Advocacy groups use Twitter to build policy narratives featuring heroes, villains and victims.](#)” Post for LSE USAPP blog, February 2017.

## Working Papers:

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**Wesley Wehde** and Junghwa Choi. “Public Preferences for Disaster Federalism: Comparing public risk management preferences across levels of government and hazards”

Matthew Nowlin and **Wesley Wehde**. “Teaching Quantitative Methods for Public Policy”. Invited book chapter; to be submitted June 2021.

Scott Robinson, **Wesley Wehde**, and Jason Pudlo. “New Ecology of Public Safety Information: Drivers of Redistribution of Tornado Information.”

Alisa Fryar, **Wesley Wehde**, Brenda Nichols, and Shannon Tanner. “Hurricanes in Higher Education: The Effects of Natural Disasters on Student Success.”

Sean Ernst, **Wesley Wehde**, Jinan Allan, Joseph Ripberger, Makenzie Krocak, Hank Jenkins-Smith, and Carol Silva. “Weathering the Effect of Affect: Causes and Consequences of Severe Weather Affect”

**Wesley Wehde**, Kuhika Gupta, Joseph Ripberger, and Junghwa Choi. “Narrative Strategies Across Mediums: When Space is Limited, How Do Advocacy Groups Economize and Prioritize.”

**Wesley Wehde**. “The Institutional Grammar Tool as a Measure of Policy Diffusion and Innovation: A Case Study of Menu Labelling Policies.”

## Teaching Experience:

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At East Tennessee State University:

- ◆ Introduction to American Government
  - ◆ Fall 2019 (~50 students), Spring 2020 (~50 students)
  - ◆ *Online*: Fall 2020 (~30 students)
- ◆ Undergraduate Research Methods
  - ◆ Fall 2019 (~30 students), Spring 2020 (~30 students)
  - ◆ *Online*: Fall 2020 (~30 students)
- ◆ Intro to Public Administration (undergrad)
  - ◆ Spring 2020 (~20 students)
- ◆ American Public Policy
  - ◆ *Online*: Fall 2020 (~20 students)

At the University of Oklahoma:

- ◆ Theories of the Policy Process,
  - ◆ Spring 2019 (20 students)
- ◆ Introduction to Analysis of Political and Administrative Data as Co-Instructor
  - ◆ Fall 2017
  - ◆ Fall 2016
- ◆ Intermediate Analysis of Political and Administrative Data as Co-Instructor
  - ◆ Fall 2017
  - ◆ Fall 2016

## Conference Papers and Presentations:

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- ◆ “All-Hazards Federalism: Comparing Public Risk Management Preferences across Government Levels and Hazards” with Junghwa Choi. Presented virtually at 2020 Natural Hazards Researchers Meeting, Broomfield, CO.
- ◆ “Street-Level Bureaucrats Interpretation of Administrative Burden: A Mixed-Method Study of Oklahoma’s Promise Program.” With Elizabeth Bell, Ani Ter-Mkrtyan, and Kylie Smith. Public Management Research Conference in Honolulu, HI. Cancelled due to COVID-19
- ◆ “Not All Climate Policies are Created Equal: Going Beyond Indices to Measure Variation in Sources of Support for Specific Climate Policy Proposals.” *Midwest Political Science Association* conference in Chicago, IL. 2020. Cancelled due to COVID-19.
- ◆ “Hurricanes in Higher Education: The Effects of Natural Disasters on Student Success.” With Alisa Fryar, Brenda Nichols, and Shannon Tanner. *Midwest Political Science Association* conference in Chicago, IL. 2020. Cancelled due to COVID-19.

- ◆ “Street-Level Bureaucrats Interpretation of Administrative Burden: A Mixed-Method Study of Oklahoma’s Promise Program.” With Elizabeth Bell, Ani Ter-Mkkrtchyan, and Kylie Smith. *Midwest Political Science Association* conference in Chicago, IL. 2020. Cancelled due to COVID-19.
- ◆ “Who’s Responsible before the Hurricane Comes: Public Attribution of Responsibility across Three Levels of Government.” With Matthew Nowlin. Presented at the *Southern Political Science Association* conference in San Juan, PR., 2020.
- ◆ “Patterns of Weather Information Source Usage and their Predictors.” With Jinan Allan, Makenzie Krocak, Joseph Ripberger, Carol Silva, and Hank Jenkins-Smith. Poster presented at the *Oklahoma-Kansas Judgement and Decision-making* conference in Norman, OK., 2019.
- ◆ “Political Identity and Weather Forecasts: By-Product Learning and Climate Change Beliefs.” Presented at the *Southern Political Science Association* conference in Austin, TX., 2019.
- ◆ “Problem Definition, Policy Choice and Venue Shopping: A micro-model of problem definition and policy choice for earthquake mitigation.” With Junghwa Choi. Presented at the *Southern Political Science Association* Conference in Austin, TX., 2019.
- ◆ “How Can You Trust What You Don’t Use: Measuring Patterns of Individual’s Weather Information Source Reliance and Trust.” With Jinan Allan, Makenzie Krocak, Joseph Ripberger, Carol Silva, and Hank Jenkins-Smith. Poster presented at the *American Meteorological Society* Conference in Phoenix, AZ., 2019.
- ◆ “Problem Definition, Policy Choice and Venue Shopping: A micro-model of problem definition and policy choice for earthquake mitigation.” With Junghwa Choi. Presented at the *American Political Science Association* Conference in Boston, MA., 2018.
- ◆ “Integrating Theory and Methods: A New Open Access Textbook for Political Science and Public Policy.” With Joseph Ripberger and Hank Jenkins-Smith. Presented at the TLC mini-conference at the *American Political Science Association* Conference in Boston, MA., 2018.
- ◆ “Three Levels of Policy Feedback: Policy preference, government attitudes, and civic engagement.” Presented at the *Midwest Political Science Association* Conference in Chicago, IL., 2018.
- ◆ “Me or My Environment? Predictors of Concern for Healthcare in an Unhealthy State.” Presented at the *American Political Science Association* Conference in San Francisco, CA., 2017.
- ◆ “Threat Intensity and the Public Use of Warning Information: A Quasi-experimental Assessment of Tornado Warnings.” With Scott Robinson and Jason Pudlo. Presented at the *International Research Society on Public Management* Conference in Budapest, Hungary, 2017.
- ◆ “Narrative Strategies Across Mediums: When Space is Limited, How Do Advocacy Groups Economize and Prioritize.” With Kuhika Gupta, Joseph Ripberger, and Junghwa Choi. Presented at *Midwest Political Science Association* Conference in Chicago, IL., 2017
- ◆ “The Institutional Grammar Tool as a Measure of Policy Diffusion and Innovation: A Case Study of Menu Labelling Policies.” With Austin Sell. Presented at *Midwest Political Science Association* Conference in Chicago, IL., 2017.
- ◆ “Narrative Strategies Across Mediums: When Space is Limited, How Do Advocacy Groups Economize and Prioritize.” With Kuhika Gupta and Joseph Ripberger. Presented at *Midwest Political Science Association* Conference in Chicago, IL., 2016.
- ◆ “Social Media and Policy Narratives: A Study of Nuclear Policy Narratives on Twitter.” With Kuhika Gupta and Joseph Ripberger. Presented at *Midwest Political Science Association* Conference in Chicago, IL., 2015.
- ◆ “The Effects of Hospital Ownership on Patient Satisfaction Survey Results.” Presented at the *Oklahoma Political Science Association* Conference in Norman, OK., 2013.

## **Research Interests:**

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Policy Process Theory, Environmental Policy, Natural Hazards Policy, Emergency Management, Policy Analysis

## **Teaching Interests:**

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Research Methods, Policy Process, Environmental Policy, Policy Analysis, Public Administration, Emergency Management, State/Local Government

## **Research Proposals Funded:**

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- ◆ ETSU Research Development Committee Major Grant.
  - ◆ Amount: \$12,000
- ◆ ETSU Blue Ridge Project.
  - ◆ Amount: \$1,000
- ◆ H.V. Thornton Memorial Award, OU Department of Political Science, AY 2018-2019.
  - ◆ Amount: \$1,800
- ◆ H.V. Thornton Memorial Award, OU Department of Political Science, AY 2017-2018.
  - ◆ Amount: \$1,700

## **Scholarships, Presentation, Paper and Other Awards:**

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- ◆ NSF Enabling the Next Generation of Hazards and Disasters Researchers Fellowship
- ◆ ETSU College of Arts and Sciences Travel Award, \$1,888 for travel to the 2020 Southern Political Science Association conference.
- ◆ ETSU Open Educational Resources Award, \$2,500 for adaptation of existing textbook for PSCI 3440 Research Methods
- ◆ Best Graduate Student Poster award at OKJDM 2019.
- ◆ Second place Graduate Student poster from the Societal Applications Symposium at AMS 2019.
- ◆ Richard C. Kearney Endowed Fellowship, OU Department of Political Science, 2017- 2018
- ◆ John Halvor Leek Scholarship (multiple), OU Department of Political Science, 2016-2019, Amount: \$500 per semester.
- ◆ 2017 Behavioral Models of Politics Conference and Workshop Graduate Student Travel Grant, Amount: \$300.
- ◆ Graduate Student Senate Conference Travel Grant to Midwest Political Science Association National Conference, 2015, Amount: \$692.
- ◆ Foundation Fellowship, University of Oklahoma, 2015-2019, Amount: \$2,500 per semester.
- ◆ OU Creaties Finalist Best Cultural Review, 2017.
- ◆ Phi Beta Kappa, University of Oklahoma, Spring 2014.
- ◆ Benson Undergraduate Research Paper Award, Spring 2014.
- ◆ National Merit Scholarship, University of Oklahoma, 2011-2016

## **Recent Media Citations:**

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2019 Glackin, Mary. "Trump administration politics have no place in weather forecasting and have damaged trust." *Washington Post*. September 15. <https://wapo.st/2Oq4Ndr>

## Thesis and Dissertation Committees:

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- ◆ 2020: Oyindamola Oyetunde (MPA)

## Research Experience:

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- ◆ Graduate Research Assistant, OU Center for Energy, Security, and Society, Jan. 2015 – July 2019.
- ◆ Graduate Research Assistant, OU Center for Risk and Crisis Management, Jan. 2015 – July 2019.
- ◆ Undergraduate Policy Research Fellow, OU Center for Risk and Crisis Management, Nov. 2013 – Dec. 2014.
- ◆ Research Fellow, OU Carl Albert Center, August 2012 – May 2013.

## Training, Certifications and Proficiencies:

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- ◆ NSF/NIH Research Ethics Certification
- ◆ Official SafeZone/LGBTQ Ally Training (ETSU/OU)
- ◆ Best Practices in Online Education Training through OU Online and Technology Services
- ◆ CITI Institutional Review Board Training
- ◆ APSA 2018 Pre-conference Short Course on Neural Networks for Social Science Research
- ◆ ICPSR Short Course on Bayesian Multilevel Modelling, Berkeley, CA, Summer 2017
- ◆ APSA 2017 Pre-conference Short Course on Tools & Best Practices for the Integration of Spatial Data
- ◆ Statistical Software and Data Management:
  - R, SPSS, Matlab, Minitab, MS Access, BUGS, JAGS
- ◆ Presentation and Word Processing:
  - Microsoft Office Suite, LaTeX, Beamer

## Service to the Profession

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- ◆ Guest editor on Virtual Issue titled, “Public Administration in the Time of COVID-19” at the *Journal of Public Administration Research and Theory*. <https://academic.oup.com/jpart/pages/covid-19-vi>
- ◆ Panel discussant, *Midwest Political Science Association* conference, Chicago, IL. 2020. Cancelled due to COVID-19.
- ◆ NSF Panel Reviewer, 2020.
- ◆ NSF Ad Hoc Proposal Reviewer for Decision, Risk, and Management Sciences Section, 2019
- ◆ Panel discussant, *Southern Political Science Association* Conference, San Juan, PR., 2020.
- ◆ Poster Session discussant, *Midwest Political Science Association* National Conference, Chicago, IL., 2018.
- ◆ Manuscript reviewer for:
  - *Policy Studies Journal*, *Crisis and Contingencies Management*, *Journal of Public Administration Research and Theory*, *Risks, Hazards & Crisis in Public Policy*, *Nonprofit Management and Leadership*, *Public Administration*, *The Social Science Journal*, *Sustainability*, *Atmosphere*, and *Patterns*.
- ◆ American Society for Public Administration, Oklahoma Chapter’s Membership Committee Student Representative, Spring 2017-Spring 2018.