

LEVI ALTRINGER

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(Updated March 2025)

CURRENT POSITION

Economist ▪ USDA National Wildlife Research Center ▪ Fort Collins, CO

April 2023 – Ongoing

Topics: Economics of Human-Wildlife Interaction and Conflict Management

EDUCATION

Colorado State University ▪ Fort Collins, CO

August 2022

PhD Economics

(Fields: Public Economics, International Economics, Political Economy)

(Dissertation: Essays in the Economics of Care w/ Dr. Elissa Braunstein & Dr. Sammy Zahran)

Colorado State University ▪ Fort Collins, CO

M.A. Economics

December 2018

Linfield University ▪ McMinnville, OR

B.S. Economics & Mathematics

December 2015

POSITION-RELEVANT PUBLICATIONS

With Luke Maddock, Frank Nelson, and Sophie McKee. Estimating the Value of Ecosystem Services: A Machine Learning Approach for Missouri Wetlands. (Under review and available at SSRN 5158025).

With Molly Selleck, Sophie McKee, Stephanie A. Shwiff, and Keith Carlisle. (2025). Toxic Baits as a Strategy for Controlling Invasive Wild Pigs: Acceptability Among Crop Producers. *Agriculture*, 15(6), 572. URL: <https://doi.org/10.3390/agriculture15060572>.

With Stephanie A. Shwiff, Michael J. Begier, and Jenny E. Washburn. (2024) "Estimating the impact of airport wildlife hazards management on realized wildlife strike risk." *Scientific Reports*, 14(1), 29018. URL: <https://doi.org/10.1038/s41598-024-79946-3>.

With Stephanie A. Shwiff, Sophie McKee, and Michael J. Begier. (2023) "The impact of the COVID-19 pandemic on wildlife-aircraft collisions at US airports." *Scientific Reports*, 13(1), 11602. URL: <https://doi.org/10.1038/s41598-023-38451-9>.

With Sammy Zahran, Stephanie A. Shwiff, Michael J. Begier, and Aaron Anderson. (2022). "Spillover Delay Effects of Damaging Wildlife Strike Events at US Airports." *Economics of Transportation*, 30, 100252. URL: <https://doi.org/10.1016/j.ecotra.2022.100252>.

With Sammy Zahran and Ashok Prasad. (2022). "The Longevity-Frailty Hypothesis: Evidence from COVID-19 Death Rates in Europe." *International Journal of Environmental Research and Public Health*, 19(4), 2434. URL: <https://doi.org/10.3390/ijerph19042434>.

With Jordan Navin, Stephanie A. Shwiff, Michael J. Begier, and Aaron Anderson. (2021). "Estimating Wildlife Strike Costs at US Airports: A Machine Learning Approach." *Transportation Research Part D: Transport and Environment*, 97, 102907. URL: <https://doi.org/10.1016/j.trd.2021.102907>.

WORKS IN PROGRESS

With Matt Harman, Sammy Zahran, Stephanie A. Shwiff, and Michael J. Begier. "Strategies to Estimate the Immediate Network Disruption Effects of Aircraft Accidents: Evidence from Wildlife Strike Incidents."

With Eyal G. Frank, Anouch Missirian, Dominic Parker, and Jennifer Raynor. "Economic Effects of Wolf Recovery on the Agricultural Sector in the United States."

With Michael J. Begier, Brad Blackwell, Brian Cross, Morgan Drabik-Hamshare, Esteban Fernandez-Juricic, Jason Kougher, Brian Washburn and others. "A Review of the concept of wildlife strike risk, status, and needs in applications to managing wildlife hazards to aviation safety."

OTHER PUBLICATIONS

With Kelly McKenna, Karen Gebhardt, and Melanie Long. (2022). "Promoting Meaningful Interaction and Community Development Through Discussion Board Activities in the Online Classroom." *Journal of Online Educators*, 19(1), 94-112. URL: https://www.thejeo.com/archive/2022_19_1/mckenna_altringer_gebhardt_long.

With Elissa Braunstein and Stephanie Seguino. (2021). "Estimating the Role of Social Reproduction in Economic Growth". *International Journal of Political Economy*, 50(2), 143-164. URL: <https://doi.org/10.1080/08911916.2021.1942963>.

With Kelly McKenna. (2021). "Alternative Transportation Education: Implementing an Innovative Module." *International Journal of Sustainability in Higher Education*, 22(1), 157-176. URL: <https://doi.org/10.1108/IJSHE-02-2020-0080>.

With Kelly McKenna and Karen Gebhardt. (2019). "Exploring Community in Discussion Board Activities." *The Online Journal of Distance Education and e-Learning*, 7(3), 185-198. URL: <https://www.tojdel.net/journals/tojdel/articles/v07i03/v07i03-04.pdf>.

With Jeff Summers. (2015) "Is College Pricing Power Pro-cyclical?". *Research in Higher Education*, 56(8), 777-792. URL: <https://doi.org/10.1007/s11162-015-9373-z>.

BOOK REVIEWS

With Stephanie A. Shwiff, Glenn Swanson, Sophie C. McKee, Molly R. Selleck, and Mostafa Shartaj. "Human-Wildlife Conflict Management: Prevention and Problem Solving (2nd edition) By Russell F. Reidinger (Ed.), Baltimore, Maryland: Johns Hopkins University Press. 2022. pp. 255. \$89.00 (hardcover). ISBN: 978-1421445250." URL: <https://doi.org/10.1002/jwmg.22466>

PRESENTATIONS

2025: Seminar Series in Economics (Colorado State University, Fort Collins, CO), Presentation: "Wildlife Strike Risk Assessment: A Bottom-up Approach using Ecological and Biological Measures." (with Matt Harman) ▪ The Wildlife Society Wildlife Damage Management Conference (Starkville, MS), Presentation: "Estimating the Impact of Airport Wildlife Hazards Management on Realized Wildlife Strike Risk."

2024: Bird Strike Committee USA Meeting (Minneapolis, MN), Presentation: "Estimating the Impact of Airport Wildlife Hazards Management on Realized Wildlife Strike Risk."

2023: The Wildlife Society Wildlife Damage Management Conference (Logan, UT), Presentation: "The Immediate Spillover Delay Effects of Wildlife-Aircraft Collisions." ▪ World Birdstrike Association World Webinar (Virtual), Presentation: "The Immediate Spillover Delay Effects of Wildlife Strikes."

- 2022:** Hawaii Department of Transportation 9th Annual Airport Wildlife Hazard Workshop (Virtual), Presentation: "The Economic Costs of Deer-Aircraft Collisions (and Non-Collisions)." ▪ Bird Strike Committee USA Meeting (Salt Lake, UT), Presentation: "Spillover Delay Effects of Damaging Wildlife Strike Events at US Airports." ▪ Airport Wildlife Hazard Program - Advanced Airport Training (New Orleans, LA), Presentation: "AWHP Economics Project Update." ▪ Airport Wildlife Hazard Program - Advanced Airport Training (Virtual), Presentation: "Measuring the Benefits of Wildlife Services Management at Airports: What's Possible with a Data-Driven Approach?"
- 2021:** Bird Strike Committee USA Meeting (Virtual), Presentation: "Estimating Wildlife Strike Costs at US Airports: A Machine Learning Approach." ▪ Bird Strike Committee USA Meeting (Virtual), Presentation: "The Impact of the COVID-19 Pandemic on Wildlife-Aircraft Collisions at US Airports."
- 2020:** Eastern Economic Association Conference (Boston, MA), Paper Presentation: "The Role of Care Policy in Procyclical Child Mortality." ▪ Eastern Economic Association Conference (Boston, MA), Paper Presentation: "Codes of Gendered Color, Codes of Colored Gender: An Investigation of the Impact of Skin Tone at the Intersection of Race and Gender in the Labor Market."
- 2018:** 2018 TILT Summer Conference on Learning, Teaching, And Critical Thinking (Fort Collins, CO), Paper Presentation: "Closing the Achievement Gap between Online and On-Campus Economics Courses."
- 2017:** Western Social Science Association Annual Conference (San Francisco, CA), Paper Presentation: "Thorstein Veblen's Conspicuous Consumption: Consequences and Policy Recommendations."

ADDITIONAL RESEARCH EXPERIENCE

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| Research Associate II ▪ Colorado State University ▪ Fort Collins, CO
Dr. Stephanie Shwiff, National Wildlife Research Center | Feb. 2020 – Mar. 2023 |
| Research Assistant ▪ Colorado State University ▪ Fort Collins, CO
Dr. Elissa Braunstein, Department of Economics | May 2018 – Mar. 2019 |
| Research Assistant ▪ Colorado State University ▪ Fort Collins, CO
Dr. Kelly McKenna, School of Education | Sept. 2018 – May 2019 |
| Research Assistant ▪ Linfield University ▪ McMinnville, OR
Dr. Jeff Summers, Department of Economics | May 2014 – Aug. 2014 |

OTHER SCHOLARLY WORK EXPERIENCE

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| Instructor ▪ Colorado State University ▪ Fort Collins, CO
ECON 202 Principles of Microeconomics (Lecture)
ECON 202 Principles of Microeconomics (Online) | FA 2019
SU 2019 |
| Graduate Teaching Assistant ▪ Colorado State University ▪ Fort Collins, CO
ECON 202 Principles of Microeconomics (Recitation Instructor)
ECON 202 Principle of Macroeconomics (Recitation Instructor)
ECON 604 Macroeconomic Analysis I
ECON 606 Microeconomic Analysis I | FA 2016 – SP 2018 |

SCHOLARLY REVIEWS

Land Economics; Urban, Planning, and Transport Research; Journal of Wildlife Management; Wildlife Society Bulletin; Human-Wildlife Interactions; Journal of Aviation Technology and Engineering; Feminist Economics

AWARDS AND HONORS

USDA Certificate of Merit for Econometric Methods and Economic Analysis (2025)
L.S. and Chuen-mei Fan Graduate Scholarship (2018-2019)
Graduate Research Assistantship (2018-2019)
AFIT-AFEE Annual Student Scholar Award (2017)
Graduate Teaching Assistantship (2016-2018)
Outstanding Student in Economics, Linfield College (2015)
Mathematics Student of the Year, Linfield College (2015)

INSTITUTIONAL & PROFESSIONAL SERVICE

NWRC Science Advisor, USDA Airport Wildlife Hazards Program Committee	Dec. 2024 – Ongoing
Secretary, CSU Association of Graduate Economics	Sept. 2016 – Sept. 2018

SOFTWARE

R; Stata; Python; Shiny; Looker Studio; SQL; Git, Github; LaTeX; Microsoft Office.

DATASETS

National Wildlife Strike Database; FAA Air Traffic Activity Data System (OPSNET); Bureau of Transportation Statistics Airline On-Time Statistics; Human Mortality Database; NVSS Detailed Mortality Files (Restricted & Public Use); Consolidated Federal Funds Reports; National Longitudinal Survey of Youth (1979 & 1997); IPUMS USA; IPUMS CPS.