Cal Bryan

Curriculum Vitae

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Academic Appointments

2025– **Assistant Professor**, *Washington & Lee University*, Department of Economics.

2025 - 2025 **Post-Doctoral Researcher**, *Colorado State University*, Department of Agricultural and Resource Economics.

Education

2020–2024 **Ph.D. in Agricultural and Resource Economics**, *Colorado State University*.

Dissertation - "*Evaluating the efficiency, equity, and effectiveness of wildfire suppression strategy using the microeconomic toolkit"*

2018–2020 **MA in Economics**, *San Diego State University*.

2009–2013 **BS in Bioenvironmental Sciences**, *Texas A&M University*.

Research Interests

Environmental Economics, Forestry Economics, Economics of Wildfire, Environmental Justice, Natural Resource Economics, Public Land Management, Economics of Outdoor Recreation, Human Adaptation to Climate Change, Invasive Species Control, Sports Economics.

Publications

Hansen, B., Sabia, J. J., McNichols, D., & **Bryan, C.** (2023). *Do Tobacco-21 Laws Work?*. Journal of Health Economics, 92, 102818.

Bayham, J. and **Bryan, C.** *The Economics of Wildland Firefighting Aviation Procurement and Effectiveness.* Western Economics Forum. Vol. 21. No. 2. 2023.

Working Papers

Bryan, C., Goemans, C., Manning, D. and Sloggy, M., *What's Past is Prologue? The Effect of Prior Losses on Agricultural Risk Management* (August 2021).

Bryan, C., Goemans, C., Manning, D. and Sloggy, M., *Conservation and Insurance Policy Interactions: The Direct and Indirect Effects of Groundwater Policy and Implications for the Distribution of Costs* (August 2022).

Bryan, C., Bayham, J., and Thompson, M.P., *Equitable Response to Natural Disasters: Evidence from Aviation Use During Wildfire*

Bayham, J., Lee, M., and **Bryan, C.**, *The benefits of planning before the fire.*

Bryan, C., and Bayham, J., *Is that $30,000 drop effective?* **(Job Market Paper)**

Strabo, F., **Bryan, C.** & Reimer, M. *Shaping the Landscape: Do Fuel Treatments Reduce*

Economic Damages From Large Wildfires?

Bryan, C. *Managing Disaster Under Pressure: Estimating the Impact of Media Attention on Wildfire Suppression*

Teaching

Principles of Macroeconomics (ECON 101), San Diego State, Fall 2019-Spring 2020.
Principles of Microeconomics (AREC 202), Colorado State, Spring 2023.

Guest lectures:
- *Economics of the Forest Environment (F 322)*, Colorado State, Fall 2024.
- *Optimization Methods for Applied Economics (AREC 615)*, Colorado State, Fall 2024.
- *One Health in Communities (PBHL 642)*, CSU Health and Medical Center, Spring 2025.

Completed the Graduate Teaching Certificate from Colorado State University.

Presentations

"What's Past is Prologue? The Effect of Prior Losses on Agricultural Risk Management".
- American Agricultural Economics Association Annual Meeting. Austin, TX. 2021;
- CSU Hydrology Days. Fort Collins, CO. 2021;
- Universities Council on Water Resources Conference. Fort Collins, CO. 2023.

"Conservation and Insurance Policy Interactions: The Direct and Indirect Effects of Groundwater Policy and Implications for the Distribution of Costs".
- American Agricultural Economics Association Annual Meeting. Anaheim, CA. 2022;
- CSU Hydrology Days. Fort Collins, CO. 2022.

"Equitable Response to Natural Disasters: Evidence from Aviation Use During Wildfire".
- Association of Environmental and Resource Economists Conference. Portland, ME. 2023;
- Western Agricultural Economics Association Annual Meeting. Whistler, BC. 2023.

"Is that $30,000 drop effective?".
- International Fire Ecology and Management Congress. Monterey, CA. 2023.
- Assoc. of Environmental and Resource Economists Conference. Washington, DC. 2024.
- Camp Resources XXX. Asheville, NC. 2024.

"Managing Disaster Under Pressure: Estimating the Impact of Media Attention on Wildfire Suppression".
- w5133 Multi-State Project Meeting. Burlington, VT. 2025.

Employment

Professional

2020-present **Research Assistant**, *Colorado State University*, Fort Collins, CO.
RA for Professors Dale T. Manning, Chris Goemans, and Jude Bayham

2018-2020 **Research Assistant**, *San Diego State University*, San Diego, CA.
RA for Professor Joseph J. Sabia

2012, **Forestry Technician**, *U.S. Forest Service*, Dillon, CO.

2015-2018 Held seasonal positions for the Dillon Ranger District of the White River National Forest, including: Wilderness Ranger, Trail Crew Supervisor, Type-II Wildland Firefighter, and Interpretive Ranger

Miscellaneous

2015-2018 **Alpine Ski Instructor**, *Keystone Ski Resort*, Dillon, CO.
Taught ski lessons to individuals of all ability levels, primarily children.

2013-2015 **Math Teacher**, *Teach For America*, Memphis, TN.
Taught 6th grade math and coached boy's baseball and girl's basketball at American Way Middle School.

2012=2013 **Caller**, *12th Man Foundation*, College Station, TX.
Student liaison to donors of the Texas A&M Athletic department

Service

Conference Sessions Moderated

AAEA 2022 - Managing Common-Pool Groundwater Resources
AERE 2024 - Wildfire

Journals Refereed

International Journal of Wildland Fire
Health Services & Outcomes Research Methodology
Fire Ecology
Journal of Health Economics
Health Economics
Journal of Natural Resources Policy Research
Climate Policy

Awards & Honors

Western Economic Association - 2024 Graduate Student Workshop

Other Service

Colorado State Univeristy Charges for Technology (CFT) Committee:
- DARE Graduate Student Representative (Spring 2022 - Spring 2023)
- Committee Co-Chair (Spring 2023 - present)

Colorado State - Wyoming Joint PhD research workshop:
- Co-organizer (Fall 2024 & Spring 2025)

Memphis Inner City Rugby Scholarship Committee:
- Selection committee (Academic year 2019-2020)

Other Skills/Certifications

Software

ArcGIS, R, Stata, MATLAB, QGIS, Erdas Imagine, LaTeX, Microsoft Office

Languages

English (native), Spanish (conversational)

Certifications

CPR/First Aid (American Heart Association), Chainsaw Sawyer A (USFS), Type II Wildland Firefighter (NWCG), K-8 Teaching Certificate (State of Tennessee)