

R. Daniel (Danny) Bressler

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EDUCATION AND FULL-TIME EMPLOYMENT

Columbia University – PhD in Sustainable Development (expected)

Selected Coursework: Economics PhD Core Sequence, Environmental Economics Field, Health Economics, Theories of War and Peace (Political Science), Nuclear Nonproliferation, Nuclear Physics, Atmospheric Physics, Theoretical Ecology

White House Council of Economic Advisors – Climate Staff Economist in the Biden Administration (2021-2022)

Harvard Business School Institute for Strategy and Competitiveness -- Research Associate to Professor Michael Porter (2015-2017)

Altman Solon – Senior Analyst (2014-2015), Analyst (2012-2014)

Brown University -- BA in Economics and History, 2012

Phi Beta Kappa

Magna Cum Laude

Visiting Student, University of Oxford (2011)

PEER REVIEWED PUBLICATIONS (BY TOPIC)

Climate Change Economics

Bressler, R. D. (2021). [The mortality cost of carbon](#). *Nature Communications*, 12(1), 1-12. Coverage in [219 news outlets](#), including [New York Times](#), [NPR](#), [Scientific American](#), [Vox](#).

Bressler, R. D., Moore, F. C., Rennert, K., & Anthoff, D. (2021). [Estimates of country level temperature-related mortality damage functions](#). *Scientific Reports-Nature*, 11(1), 1-10. Coverage in [MIT Technology Review](#), [The Conversation](#).

Sharma, S., **Bressler, R. D.**, Bhopal, A., & Norheim, O. F. (2022). [The global temperature-related mortality impact of earlier decarbonization for the Australian health sector and economy: A modelling study](#). *PloS one*, 17(8), e0271550.

Bressler, R. D. (2023). [The Science and Challenges of Sustainability](#). In *Sustainability: Investment and Business Implications*, edited by Alexander Preker and Diane-Charlotte Simon, World Scientific Publishing.

International Governance

Bressler, R. D., Alstott, J. (2023). [The Intergovernmental Panel on Global Catastrophic Risks: A Proposal for a New International Organization](#). *Proceedings of the Stanford Existential Risks Conference*.

Bressler, R.D. (2021). [Statistically Identifying the NPT's Effect on Nuclear Proliferation: Is it a Fundamentally Unidentified Question?](#). *CSIS Next Generation Nuclear Network*.

Bressler, R.D. (2021). [Has the Nuclear Nonproliferation Treaty Limited The Spread of Nuclear Weapons? Evaluating the Arguments](#). *CSIS Next Generation Nuclear Network*.

WORKING PAPERS

Climate Change Economics

Bryant, A., Lewy, J., **Bressler, R.D.**, Chopra, Z., Gyori, D., Bazzell, G., Moeller, J., Jacobson, S., A. Fendrick, A.M., Kerr, E., Ramnath, N., Green, M., Hofer, T., & Strohbehn, G. (2023). Socialized health harms due to excessive dosing of pembrolizumab in a national health system: Alternative dosing strategies reduce treatment-related harms from greenhouse gases. *Revise and Resubmit at The Lancet Oncology*.

Bressler, R. D., & Heal, G. (2022). [Valuing Excess Deaths Caused by Climate Change](#) (No. w30648). *National Bureau of Economic Research (NBER)*. Coverage in [Vox](#).

Bressler, R.D., Shimberg, N., & Gillingham, K. (2023). [The Phantom Dismal Theorem: How Discounting and Mortality Valuation Interaction Can Cause Infinite Valuation of Future Lives](#). Under review at the *Journal of Environmental Economics and Management*.

Wilson, A.*, **Bressler, R.D.***, Ivanovich, C., Tuholske., Raymond, C., Horton, R., Sobel, A., Kinney, P., Cavazos, T., & Shrader, J. (2023). *Heat Disproportionally Kills Young People: Evidence from Wet-Bulb Temperature Exposure*. (*equal contribution).

Bressler, R.D., Shimberg, N., Rennels, L., Errickson, F., Parthum, B., Smith, D., & Anthoff, D. (2023). *Large Mortality Impacts on the Poor Drive a Higher Equity Weighted Social Cost of CO₂*.

International Governance

Bressler, R. D., Trager, R. F., & Dafoe, A. (2021). [The Offense-Defense Balance and The Costs of Anarchy: When Welfare Improves Under Offensive Advantage](#). *American Political Science Association Preprint*.

WORK IN PROGRESS

Climate Change Economics

Limits to Adaption: Evidence from Wet-Bulb Temperature Exposure with Jeff Shrader and Andrew Wilson.

Workplace Temperature Exposure is a Principal Driver of Heat-Related Mortality with Jeff Shrader and Andrew Wilson

Quantifying Temperature-Related Climate Deaths Caused by Countries Failing to Meet Nationally Determined Contributions with Yann Robiou du Pont.

How Many Lives Did the Inflation Reduction Act Save Through Emissions Reductions?

Benefit Cost Analysis

Population Ethics: An Unavoidable New Frontier for Benefit-Cost Analysis with Andrew Stawasz.

Equity Weighting Disentangled: The Distribution Index

International Governance

A Multilateral Game-Theoretical Analysis of the Nuclear Nonproliferation Treaty with Scott Barrett

Other

Maintaining the domestic food supply chain in future pandemics with Naomi Shimberg and Laura Tiehen.

Does Creating Shared Value Lead to Higher Profitability? — An Empirical Analysis.

FELLOWSHIPS AND GRANTS

2023 [University Collaboration Award](#) (\$4,000). Awarded by *BERI*.

2022-2023 [Funding for a Research Assistant](#) (\$32,000), Awarded by the *Open Philanthropy Project*

2022-2023 [Long-Term Future Scholarship](#) (\$30,000), Awarded by the *Open Philanthropy Project*

2020 [Nuclear Scholar Fellowship](#), Awarded by *CSIS Project on Nuclear Issues*

2019-2021 [The Global Priorities Fellowship](#) (\$7,000 per year), Awarded by the *Global Priorities Institute at the University of Oxford*

2017 Dean's Fellowship (Full funding for PhD program), Awarded by *Columbia University*

AWARDS

2022 [Best Paper by a Graduate Student](#) (\$2,620) for *The Mortality Cost of Carbon*, Awarded by the *Oxford University Global Priorities Institute*.

2020 Outstanding Paper on Great Power Politics (\$4,000), for *Offense Need not be Tragic: When Welfare Improves Under Increasing Offensive Advantage*, Awarded by the *UCLA Burke Center for International Relations*

INVITED TALKS

2024 Midwest Economics Association Conference Annual Meeting AERE Session

2023 Columbia SIPA Research Seminar, Society for Environmental Law and Economics Annual Meeting (Cambridge University UK), Northeast Workshop on Energy Policy and Environmental Economics (Cornell University), Stanford University Existential Risks Conference, Eastern Economics Association Annual Meeting AERE Session, Columbia Interdisciplinary Ph.D. Workshop in Sustainable Development

2022 Society for Benefit Cost Analysis Annual Meeting

2021 American Political Science Association Annual Meeting, U.S. Government Interagency Working Group on the Social Cost of Greenhouse Gases, U.S. Society for Ecological Economics Annual Meeting

2020 Oxford University Centre for the Governance of AI Seminar, [UCLA Climate Adaptation Research Symposium](#), Columbia Interdisciplinary Ph.D. Workshop in Sustainable Development

2019 [Oxford University Workshop on the Economics of Catastrophe](#), Columbia Susdever

2018 Oxford University Global Priorities Institute

REFeree SERVICE

Journal of Political Economy Microeconomics, Journal of Economic Growth, Nature Climate Change, American Political Science Review

TEACHING

Average Rating Across all 7 Classes: 4.5/5 (85 total respondents)

Columbia School of International and Public Affairs, Teaching Assistant

Fall 2023: Environmental Policy: Microeconomics and Policy Analysis I (Master's)

Columbia University Economics Department, Teaching Assistant

Spring 2021: Principle of Economics (Undergraduate)

Spring 2020: Principle of Economics (Undergraduate)

Spring 2019: Principle of Economics (Undergraduate)

Fall 2018: Intermediate Macroeconomics (Undergraduate)

Brown University Economics Department, Teaching Assistant

Fall 2011: Principles of Economics (Undergraduate)

Spring 2012: Principles of Economics (Undergraduate)

Guest Lectures

Spring 2023: **University of Wisconsin** "The Social Cost of Carbon, VSL, and Equity Weighting" presented to Agricultural Applied Economics/Philosophy course *Ethics, Markets, and Climate Change*. (90 minutes).

Spring 2023: **London School of Economics** "The Mortality Cost of Carbon" presented to MSc in Philosophy and Public Policy course *Philosophy for Public Policy*. (30 minutes).

SELECTED INTERVIEWS IN THE MEDIA

2023: [[Weather Channel](#)]

2021: [[Cheddar News](#)][[CFRA Canada](#) (start at 12:00)] [[Ukraine Inter TV](#)] [[NTN 24 Spanish Language TV](#)]

SELECTED NON-PEER REVIEWED PUBLICATIONS AND WRITING

"[Public Comment on U.S. Office of Management and Budget Modernizing Benefit-Cost Analysis](#)." June 6, 2023.

"[Public Comment on the EPA External Review Draft of Report on the Social Cost of Greenhouse Gases: Estimates Incorporating Recent Scientific Advances](#)" with Geoffrey Heal. February 13th, 2023.

“[Designer bugs: how the next pandemic might come from a lab](#)” with Chris Bakerlee. *Vox*. December 6, 2018.

“Escaping the Malthusian Trap.” *Sense and Sustainability*. November 8, 2016.

“[The Problem with Brexit: 21st Century Challenges Require International Cooperation](#).” *The Future of Life Institute*. July 1, 2016.

NON-AUTHORED PAPERS I SUPPORTED WITH RESEARCH ASSISTANCE

Porter, Michael E., and James E. Heppelmann. “[A manager’s guide to augmented reality](#).” *Harvard Business Review* 95.6 (2017): 45-57.

Porter, Michael E., and James E. Heppelmann. “[How smart, connected products are transforming companies](#).” *Harvard Business Review* 93.10 (2015): 96-114.

DETAILED WORK EXPERIENCE

Open Philanthropy Project

Consultant *September 2022-November 2022*

- Consulted/advised on the Open Philanthropy Project’s internal social cost of carbon.

White House Council of Economic Advisors

Staff Economist *August 2021-July 2022*

- Climate Team Staff Economist for the Biden Administration’s Council of Economic Advisors
- Projects included updating the [Social Cost of Greenhouse Gases](#), [Modernizing Regulatory Review](#) (I.e., [Circular A-4](#) for Benefit-Cost Analysis), Biofuel policies including the Renewable Fuel Standard, [Incorporating Climate Impacts into Macroeconomic Forecasting](#), ensuring [integrity of the food supply](#) during potential future pandemics

Resources for the Future

Consultant *May 2021-August 2021*

- Consulting contract to update the Social Cost of Carbon to include the effects of climate-induced mortality at the country-level
- Lead author on a paper overseen by Professor Frances Moore, Dr. Kevin Rennert, and Professor David Anthoff

Harvard Business School – Institute for Strategy and Competitiveness

Research Associate to Professor Michael Porter *January 2015 - June 2017*

- Worked as the primary strategy and technology research associate to Professor Michael Porter
- Research areas include business strategy, economic development, how business can contribute towards solving social problems, the effect of new technologies on competition and strategy
- Conducted extensive research and writing for Harvard Business Review articles on the role of [Smart, Connected Products](#) in shaping competition and strategy
- Lead consultant on Michael Porter’s consulting engagements to provide strategic advice to Fortune 500 CEOs and leaders of major organizations

Altman Solon

Senior Analyst *June 2014-January 2015*

Analyst *September 2012-June 2014*

- Largest pure-play management consulting firm in TMT (Telecommunications, Media, and Technology) in North America
- Worked on over a dozen engagements building financial models, researching complex technology trends, analyzing big datasets in SQL, performing due diligence, and presenting key findings to senior executives and investors

Goldman Sachs

Summer Financial Analyst Summer 2011

The Onion

Advertising Operations Intern Summer 2010

OTHER INTERESTS

Sustainability, History, Jazz, Rugby, Golf, Backcountry Backpacking, Competitive Stair Climbing