

Matt Burke

matt.burke@smithschool.ox.ac.uk

mattdburke.github.io

Current Academic Position

WTW (Willis Towers Watson) Research Fellow, Jun 2023 - Present

Smith School of Enterprise and the Environment, University of Oxford

Education

PhD, Finance

University of East Anglia, 2017 - 2021

Thesis title: The [læŋɡwɪdʒ] of Finance

Supervisors: Raphael Markellos and Apostolos Kourtis

PG Cert, Learning and Teaching in Higher Education

Sheffield Hallam University, 2014 - 2015

MRes, Social Sciences

Sheffield Hallam University, 2012 - 2014

BA, Economics

Sheffield Hallam University, 2008 - 2012

Previous Academic Positions

Senior Lecturer in Finance, Sept 2021 - May 2023

Sheffield Business School, Sheffield Hallam University

Lecturer in Business Analytics, May 2021 - Sept 2021

School of Management, University of Bradford

Research Associate in Green Finance, Sept 2020 - May 2021

Bennett Institute for Public Policy, University of Cambridge

Graduate Teaching Assistant, Oct 2017 – Sept 2020

Norwich Business School, University of East Anglia

Lecturer in Finance, Aug 2013 – Sept 2017

Sheffield Business School, Sheffield Hallam University

Associate Lecturer in Finance, June 2013 – Aug 2014

Sheffield Business School, Sheffield Hallam University

Publications

Klusak, P., Agarwala, M., Burke, M., Kraemer, M., and Mohaddes, K. (2023). Rising temperatures, falling ratings: The effect of climate change on sovereign creditworthiness. *Management Science*.

- Shortlisted for the FT's Academic Research Awards (January 2022)

Burke, M., Fry, J., Kemp, S., and Woodhouse, D. (2022). Attention to Authority: The behavioural finance of Covid-19. *Finance Research Letters*, 49(103081).

Agarwala, M., Burke, M., Klusak, P., Mohaddes, K., Volz, U., and Zenghelis, D. (2021). Climate Change and Fiscal Sustainability: Risks and Opportunities. *National Institute Economic Review*, 258:28–46.

Fry, J. and Burke, M. (2020). An options-pricing approach to election prediction. *Quantitative Finance*, 20(10):1583–1589.

Burke, M. and Fry, J. (2019). How easy is it to understand consumer finance? *Economics Letters*, 177:1–4.

Working Papers

Burke, M., Markellos, R. and Kourtis, A. (2023). Market Reactions to Complex Language in Corporate News. *Document in preperation for submission to Review of Finance*

Agarwala, M., Burke, M., Klusak, P., Kraemer, M., and Volz, U. (2022). Nature loss and sovereign credit ratings. *Document in preperation for submission to Nature Sustainability*.

- Cited in *National Strategy to Develop Statistics for Environmental Economic Decisions. The White House, January 2023*

Books

Fry, J. and Burke, M. (2022). *Quantitative Methods in Finance using R*. Open University Press.

Research Funding and Consultancy

Climate Change and Sovereign Credit Ratings in the Caribbean Region
- *Inter-American Development Bank*, 2022

Biodiversity and Sovereign Credit Ratings
- *University of Cambridge and Finance for Biodiversity (F4B)*, 2021

Risks to the UK Red Meat Industry
- *Agricultural and Horticultural Development Board (AHDB)*, 2019

Selected Media

Co-authored ‘*Climate change is making debt more expensive – new study*’
- The Conversation, August 2023

Research featured in ‘*Lex in depth: how investors are underpricing climate risks*’
- Financial Times, August 2023

Research featured in ‘*Climate change puts sovereigns at downgrade risk, study finds*’
- Reuters, August 2023

Research featured in ‘*Ratings Firms Struggle With Climate Risk In \$133 Trillion Market*’
- Bloomberg, August 2023

Research featured in ‘*Biodiversity Loss May Push Developing World Closer to Default*’
- Bloomberg, June 2022

Co-authored ‘*Climate finance: it’ll be cheaper in the long run if poorer countries receive it as a matter of urgency*’

- The Conversation, November 2021

Research featured in ‘*A Climate Reckoning Is Coming for the World’s Government Debt*’

- Bloomberg, September 2021

‘*Rising Temperatures, Melting Ratings*’

- VoxEU Column, March 2021

Talks

‘Climate Physical Risk: Economic and Financial Assessment’

- *Corpus Christi College, University of Oxford. Sustainable Finance Programme*, September 2023

‘Adaptation to Climate Change’

- *Corpus Christi College, University of Oxford. Sustainable Finance Programme*, September 2023

‘Supervisory and Regulatory Developments’

- *Keble College, University of Oxford. Climate-related Financial Risk Programme*, June 2023

‘Rising Temperatures, Falling Ratings’

- *Banque de France*, October 2022

‘Rising Temperatures, Falling Ratings’

- *The Vienna Institute for International Economic Studies*, June 2021

‘Rising Temperatures, Falling Ratings’

- *Banco De España*, April 2021

Scholarly Activity

- Member of the secretariat and internal review for the inaugural Insight Investment/University of Oxford Green Finance Prize, 2023

Reviewer Activity

International Review of Financial Analysis, International Review of Economics and Finance, Finance Research Letters, Ecological Economics, Journal of Accounting Literature

Programming Skills

Python, R, LaTeX, Stata, Linux

Teaching Activity

I have over ten years combined teaching experience at various institutions including Oxford, East Anglia and Sheffield Hallam. I have taught on a wide variety of finance and economics programmes. I have taught students at undergraduate, postgraduate, and supervised MSc dissertations. My main teaching interests are in motivating computational methods in finance, environmental economics and financial risk. I also have substantial experience leading modules and developing teaching material.