

Carl Singleton

carl.singleton@stir.ac.uk
<http://carlsingletoneconomics.com>

Room 3B80, Cottrell Building, Economics Division,
Stirling Management School, University of Stirling, Stirling, FK9 4LA, UK

POB: Derby, UK
DOB: 9 October, 1988

Academic appointments

2024–	Senior Lecturer (Assoc. Prof), University of Stirling
2021–2023	Associate Professor of Economics, University of Reading
2018–2021	Lecturer (Assistant Prof.) in Economics, University of Reading
2017–18	Post-doctoral Fellowship in Economics, University of Edinburgh

Other affiliations

2024–	IZA Research Fellow, IZA - Institute of Labor Economics
-------	---

Education

2013–17	PhD in Economics, The University of Edinburgh Thesis title: “Empirical Essays on Recent Patterns in the British Labour Market” Supervisors: Andy Snell & Jan Grobovšek Viva committee: Maia Güell (Edinburgh) & Richard Dickens (Sussex) Grants & awards: Economic and Social Research Council (UK) Studentship (£75,000); Research and Teaching Scholarship (£25,000); Scottish Economic Society Small Grant
2012–13	MSc in Economics, The University of Edinburgh
2007–10	BSc in Economics, London School of Economics and Political Science (LSE)

Journal publications

- [27] [The Age-Wage-Productivity Puzzle: Evidence from the Careers of Top Earners](#)
with Rachel Scarfe, Adesola Sunmoni & Paul Telemo. *Economic Inquiry*, 62(2), 584-606.
- [26] [Do natural resources and FDI tend to erode or support the development of national institutions?](#)
with Grivas Chiyaba. *The World Economy*, 47(3), 1117-1146. (2024)
- [25] [The Iron Curtain and Referee Bias in International Football](#)
with Dmitry Dagaev, Sofia Paklina & James Reade. *Journal of Sports Economics*, 25(1), 126-151. (2024)
- [24] [The Extent of Downward Nominal Wage Rigidity: New Evidence from Payroll Data](#),
with Daniel Schaefer. *Review of Economic Dynamics*, 51, 60-76. (2023)
- [23] [The perils of pre-filling: lessons from the UK’s Annual Survey of Hours and Earning microdata](#)
with Damian Whittard, Felix Ritchie, Van Phan, Alex Bryson, John Forth & Lucy Stokes.
Statistical Journal of the IAOS, 39(3), 661-677. (2023)
- [22] [A decade of violence and empty stadiums in Egypt: When does emotion from the terraces affect behaviour on the pitch?](#), with James Reade & Dominik Schreyer. *Empirical Economics*, 65, 1487-1507. (2023)
- [21] [Betting on a buzz: mispricing and inefficiency in online sportsbooks](#),
with Philip Ramirez & James Reade. *International Journal of Forecasting*, 39(3), 1413-1423. (2023)
- [20] [Eliminating supportive crowds reduces referee bias](#),
with James Reade & Dominik Schreyer. *Economic Inquiry*, 60(3), 1416-1436. (2022)
- [19] [Informational efficiency and behaviour within in-play prediction markets](#),
with Giovanni Angelini & Luca De Angelis. *International Journal of Forecasting*, 38(1), 282-299. (2022)

- [18] [Extreme wages, performance and superstars in a market for footballers](#), with Rachel Scarfe & Paul Telemo. *Industrial Relations: A Journal of Economy and Society*, 60(1), 84-118. (2021)
- [17] [Causal effects of an absent crowd on performances and refereeing decisions during Covid-19](#), with Alex Bryson, Peter Dolton, James Reade & Dominik Schreyer. *Economics Letters*, 198. (2021)
- [16] [Demand for public events in the COVID-19 pandemic: a case study of European football](#), with James Reade. *European Sport Management Quarterly*, 21(3), 391-405. (2021)
- [15] [Evaluating Strange Forecasts: The Curious Case of Football Match Scorelines](#), with James Reade & Alasdair Brown. *Scottish Journal of Political Economy*, 68(2), 261-285. (2021)
- [14] [Stadium attendance demand during the COVID-19 crisis: Early empirical evidence from Belarus](#) with James Reade & Dominik Schreyer. *Applied Economics Letters*, 28(18), 1542-1547. (2021)
- [13] [Going with your Gut: The \(In\)accuracy of Forecast Revisions in a Football Score Prediction Game](#), with James Reade & Alasdair Brown. *Journal of Behavioral and Experimental Economics*, 89. (2020)
- [12] [On why gender employment equality in Britain has stalled since the early 1990s](#), with Giovanni Razzu & Mark Mitchell. *Industrial Relations Journal*, 51(6), 476-501. (2020)
- [11] [Who works for whom and the UK gender pay gap?](#) with Sarah Jewell & Giovanni Razzu. *British Journal of Industrial Relations*, 58(1), 50-81. (2020)
- [10] [Do high wage footballers play for high wage teams?](#) with Rachel Scarfe & Paul Telemo. *International Journal of Sport Finance*, 15(4), 177-190. (2020)
- [9] [Recent changes in British wage inequality: Evidence from large firms and occupations](#), with Daniel Schaefer. *Scottish Journal of Political Economy*, 67(1), 100-125. (2020)
Prize for Best Paper Published in SJPE in 2020
- [8] [Information, prices and efficiency in an online betting market](#), with Guy Elaad & James Reade. *Finance Research Letters*, 35. (2020)
- [7] [Betting markets for English Premier League results and scorelines: evaluating a forecasting model](#), with James Reade & Leighton Vaughan Williams. *Economic Issues*, 25(1), 87-106. (2020)
- [6] [Cyclical Labor Costs Within Jobs](#), with Daniel Schaefer. *European Economic Review*, 120. (2019)
- [5] [The public-private sector wage differential in the UK: Evidence from longitudinal employer-employee data](#). *Economics Letters*, 174, 109-113. (2019)
- [4] [Segregation and Gender Gaps in the UK's Great Recession and Recovery](#), with Giovanni Razzu. *Feminist Economics*, 24(4), 31-55 (2018)
- [3] [Unemployment & econometric learning](#), with Daniel Schaefer. *Research in Economics*, 72(2), 277-296. (2018)
- [2] [Long-Term Unemployment and the Great Recession: Evidence from UK Stocks and Flows](#). *Scottish Journal of Political Economy*, 65(2), 105-126. (2018)
- [1] [Gender and the business cycle: An analysis of labour markets in the US and UK](#), with Giovanni Razzu. *Journal of Macroeconomics*, 47, Part B, 131-146. (2016)

Book chapters

- [6] [Separating the crowds: Examining home and away attendances at football matches](#) with Brad Humphreys, James Reade & Dominik Schreyer, In: Rodriguez, P., M. Taks, & R. Koning (ed.) *Essays on Sports Economics in Memory of Stefan Kesenne*. University of Oviedo Publishing. (2023). Forthcoming.
- [5] [How big is home advantage at the Olympic Games?](#), with James Reade, Johan Rewilak & Dominik Schreyer, In: Solberg, H. A., R. Storm, & K. Swart (ed.) *Research Handbook on Major Sporting Events*. Edward Elgar Publishing. (2024).

- [4] [Economics lessons from sports during the COVID-19 pandemic](#), with Alex Bryson, Peter Dolton, James Reade & Dominik Schreyer, In: Pedersen, P. M. (ed.) *Research Handbook on Sport and COVID-19*. Edward Elgar Publishing. (2022).
- [3] [It's just not cricket: rules and the gentleman's game](#), with Sarah Jewell & James Reade. In: Butler, R. (ed.) *Advances in Sports Economics*. Agenda Publishing. (2021).
- [2] [European football after COVID-19](#), with James Reade. In: Billio, M. & S. Varotto (ed.) *A new world post COVID-19: lessons for business, the finance industry and policy makers*. Edizioni Ca' Foscari. (2020).
- [1] ["The macroeconomic context: gender business cycles"](#), with Giovanni Razzu. In: Razzu, G. (ed.) *Gender inequality in the labour market in the UK*. Oxford University Press, Oxford. (2014).

Working papers

[Accounting for firms in gender-ethnicity wage gaps throughout the earnings distribution](#) with Van Phan, Alex Bryson, John Forth, Felix Ritchie, Lucy Stokes & Damian Whittard

[Why wages don't fall in jobs with incomplete contracts](#)
with Marco Fongoni & Daniel Schaefer (*R&R, Management Science*)

[Gambling on Momentum in Contests](#), with Marius Ötting, Christian Deutscher & Luca De Angelis
(*R&R, Economic Inquiry*)

[Can Awareness Reduce \(and Reverse\) Identity-driven Judgement Bias? Evidence from International Cricket](#)
with Subhasish Chowdhury & Sarah Jewell. (*R&R, Journal of Economic Behavior and Organization*)

[Cristiano of Arabia: Did Ronaldo increase Saudi Pro League attendances?](#) with Dominik Schreyer
(*R&R, Contemporary Economic Policy*)

[They were robbed! Scoring by the middlemost to attenuate biased judging in boxing](#), with Stuart Baumann
[Scoring goals: The impact of English Premier League football teams on local university admissions](#),
Adrian R. Bell, Andy Chung, J. James Reade, and Andrew Urquhart.

Funded projects

Wage & Employment Dynamics, 2019-25 (Co-I; joined in 2021), ADR-UK & UKRI, ES/T013877/1, ES/W005298/1, & ES/X000516/1

Creating research-ready data by linking Census data to ASHE, 2024-2027 (Co-I), ESRC & UKRI,

Presentations & invited talks

2024: Scottish Economic Society Annual Conference, Glasgow; University of Brunel (invited); University of Cyprus (invited) **2023:** University of Stirling (invited) **2022:** XVI Gijon Conference on Sports Economics, Scottish Economic Society Annual Conference, Glasgow; Royal Economic Society Annual Conference **2021:** CF-CMStatistics 2021, London; Low Pay Commission Research Symposium; Scottish Economic Society Annual Conference. **2020:** ESCoE Conference on Economic Measurement, London; Eastern Conference on Football Economics, St Petersburg; Scottish Economic Society Annual Conference, Perth. **2019:** CF-CMStatistics Conference, London; International Symposium on Forecasting, Thessaloniki; IAB Workshop on Gender Pay Gap, Nuremberg; Royal Economic Society Annual Conference, University of Warwick; Scottish Economic Society Annual Conference, Perth. **2018:** University of Nottingham (invited); University of Strathclyde (invited); Workshop on Labour and Family Economics, University of York; WPEG conference, University of Sheffield; Royal Economic Society Annual Conference, University of Sussex; **2017:** European Association of Labour Economists Conference, St. Gallen; WPEG conference, University of Sheffield; RES Junior Symposium, Bristol; Workshop on Labour Economics, IAAEU Trier; SGPE Residential methodology conference, Crieff; **2016:** Frontiers in Economics, University of Edinburgh (x2); Gender Economics workshop, University of Edinburgh. **2015:** Frontiers in Economics, University of Edinburgh. **2014:** EALE conference, Ljubljana; SGPE Residential methodology conference, Crieff.

*upcoming

Professional service

Peer review/referee: *Annals of Operations Research*; *Applied Economics*; *Applied Economics Letters*; *Bank of England Staff Working Papers*; *British Journal of Industrial Relations*; *Economica*; *Economic Inquiry*; *Economic Modelling*; *Economics Bulletin*; *Economics Letters*; *Empirical Economics*; *European Economic Review*; *European Journal of Finance*; *European Sport Management Quarterly*; *f1000*; *Forecasting*; *Frontiers in Economic Psychology*; *Industrial Relations: A Journal of Economy and Society*; *International Journal of Forecasting*; *International Journal of Sport Finance*; *International Journal of Sports Science & Coaching*; *International Review of Economics & Finance*; *Journal of Economic Behavior & Organization*; *Journal of Economic Psychology*; *Journal of Gambling Business and Economics*; *Journal of Human Resources*; *Journal of Labor Economics*; *Journal of Labor Research*; *Journal of Quantitative Analysis in Sports*; *Journal of Sports Economics*; *Management Review Quarterly*; *Managerial and Decision Economics*; *Nature: Scientific Reports*; *Operations Research*; *Oxford Bulletin of Economics and Statistics*; *Oxford Economic Papers*; *PLOS ONE*; *Psychology of Sport & Exercise*; *Research in Economics*; *Review of Economics & Finance*; *Social Science Quarterly*; *Southern Economic Journal*; *Sport Economics Review*; *Sports*; *Sustainability*

Journals:

Frontiers in Behavioural Economics (2023-24) - Special Issue Editor "Sports, Economics, and Natural Experiments: Advances and Retrospection".

Scientific committee: Reading Football Economics Workshop (2019); Royal Economic Society Symposium of Junior Researchers (2018)

Discussant: SGPE residential methodology conference (2018)

Organiser: Reading Football Economics Workshop (2019); Reading Online Sport Economics Seminars (2020 - 2021)

External Examiner/Assessor: University of Middlesex (2021 -); University of Mauritius (2023 -)

Short-term visits

2017: University of Mannheim (Jan-Apr; sponsored by Georg Duernecker)

2018: University of Reading (Feb; sponsored by Giovanni Razzu)

2023: University of Bielefeld (Feb; sponsored by Christian Deutscher)

Administrative roles

2023	Seminars Organiser , Department of Economics, University of Reading
2022	Head of Department , Department of Economics, University of Reading
2020-21	Postgraduate Research Director (PhD programme), School of Politics, Economics and International Relations (SPEIR), University of Reading
2019-21	Postgraduate Research Director , Department of Economics, University of Reading

PhD supervision

2021-24	Richa Saun (Human Capital; with Neha Hui & Sam Rawlings)
2019-24	Philip Ramirez (Sports Economics; with James Reade)
2018-22	Grivas Chiyaba (Foreign Direct Investment and Tax Policy in Sub-Saharan Africa; with Mark Casson) - Bank of Zambia

Teaching experience

	Fellow of the Higher Education Academy (ref: PR172918; since 2020).
2024	Economics for Banking & Finance , University of Stirling: PGT (convenor).
2024	Growth, Inequality and Economic Instability , University of Stirling: UG (convenor).
2024	Intermediate Macroeconomics , University of Stirling: UG (co-convenor).
2023	Intermediate Macroeconomics , University of Reading: UG (convenor).
2022	Core Competencies for Economists , University of Reading: UG (convenor).
2022	Intermediate Econometrics , University of Reading: UG (convenor).
2019-2022	Economics of Sport & Games , University of Reading: UG (convenor).
2019-21	Economics of Social Policy , University of Reading: UG (convenor) & PG.
2019	Macroeconomics 2 , University of Reading: PG (convenor).
2019	Macroeconomic Policy , University of Reading: PG (convenor).
2018	Economics of Sport , The University of Edinburgh: UG.
2013-18	Teaching Assistant for Scottish Graduate Programme in Economics (SGPE) , The University of Edinburgh Macroeconomics I (Growth, Consumption & Unemployment; 13-18) Macroeconomics II (Real Business Cycle, New-Keynesian, Financial frictions; 13-14) Numerical Methods (Stochastic recursive sequences, Dynamic programming etc., in Python & Dynare; 13-14)
2014-15	Tutor for Issues in Global Economics , The University of Edinburgh
Awards	Nominated for University Student Assoc. Teaching awards: 2017, 2018, 2021

Non-academic experience

2010-12	Government Economic Service (UK), Fast Stream Government Equalities Office & Home Office - Primary responsibilities included economic advice on the implementation of the Equalities Act 2010, assessing the department's regulatory burdens on business under the Government's 'Better Regulation' initiatives, and research projects assessing the economic experiences of minority groups in the UK.
2009-10	Economist at Department for Work and Pensions Temporary economic advisor and assisted in development of econometric forecasting methods for working-age welfare expenditure in the UK.

Computer skills

Stata, SAS, Matlab, Python & L^AT_EX

Personal information

Married to Sophie; Two sons: Duncan (2014) & Quinton (2017)