

CHRISTY COULSON

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EDUCATION

London School of Economics and Political Science (LSE)

August 2023 - Present

PhD in Social Research Methods

Machine Learning Prediction Models and Explanation in Political Science

Department of Methodology

Supervisors: Dr. Thomas Robinson, Prof. Kenneth Benoit & Dr. Ryan Hübert

London School of Economics and Political Science

September 2022

MSc in Applied Social Data Science

Grade: Distinction (80%)

University of Amsterdam

August 2016

MSc in Conflict Resolution and Governance

Grade: Distinction (8.15/10) & Cum Laude Honours

University of Exeter

September 2013

BA in International Relations

Grade: Upper Second-Class Honours (2:1)

EXPERIENCE

Institute for Chartered Accountants in England and Wales (ICAEW)

September 2021 - September 2022

Data Scientist

London, U.K.

- Conceptualised and led the data maturity development of the organisation as well as the distribution of data science and analytics cross-departmentally.
- Created the data transformation strategy for the institute for the next 5 years as part of ICAEW's 2030 vision.

Corsearch

December 2019 - August 2021

Data Scientist

Amsterdam, Netherlands

- Involved in various high-priority projects, ranging from leading the development of a comprehensive dynamic data quality metrics system to the integration of brand protection, trademark, anti-piracy and domain services data in order to provide never-before compiled analytics through the consolidation of diverse and complex datasets.

Pointer Brand Protection and Research

April 2019 - December 2019

Fraud and Intelligence Data Analyst

Amsterdam, Netherlands

- Led the creation and management of Pointer's data analytics sub-department.
- Created, managed, versioned and communicated all internal and external deliverables associated with data analytics.
- Managed relationships with a variety of Fortune 500 clients and brands.

Roca Markets B.V.

September 2017 - February 2019

Securities and Derivatives Trader

Amsterdam, Netherlands

- Used and maintained proprietary algorithms used for high frequency trading in combination with real-time human decision making.
- Managed relationships with representatives of 3 global exchanges and 32 of the largest brokerage firms and banks worldwide.

TEACHING

Introduction to Data Science and Machine Learning <i>London, United Kingdom</i>	July - August 2025 <i>London School of Economics and Political Science</i>
Introduction to Quantitative Analysis <i>London, United Kingdom</i>	September 2023 - Present <i>London School of Economics and Political Science</i>
Introduction to Quantitative Methods for Media and Communications <i>London, United Kingdom</i>	September 2023 - Present <i>London School of Economics and Political Science</i>

RESEARCH

Graduate Research Affiliate at International Relations and Data Science Research Group (ETH Zurich): 2024-Present

- *Gender-based Activism and its Consequences in the 21st Century*

Research Position at Care Policy Evaluation Centre (LSE): 2024

Research Position at DPIR (University of Oxford): 2023-2024

Coulson, C. "Using Shapley Values for Theory-generation in Political Science," *Working Paper*, 2025.

Coulson, C. "Revisiting Theories of Civil War with Interpretable Machine Learning," *Working Paper*, 2025.

Schubiger, L., Myers, E., de Marchi, S., Dorsey, S., Coulson, C. "Mobilization for Equality: Norm Change and Backlash," *Working Paper*, 2025.

Hu, B., Hancock, R., Wittenberg, R., Mayorga-Camus J., Pauschardt, J., and Coulson C. "Projections of Adult Social Care Demand and Expenditure in England, 2022 to 2042, Care Policy and Evaluation Centre discussion paper," 2025.

KNOWLEDGE EXCHANGE AND IMPACT

European Political Science 2024 (July 4-6, Köln, Germany): Presented paper at 'Machine Learning' panel.

European Political Science 2025 (June 25-28, Madrid, Spain): Presented paper at 'Large Language Models' pre-conference workshop.

TECHNICAL STRENGTHS

Computer Languages	R, Python, SQL, Pytorch, Keras, Tensorflow, Markdown, Git, LaTeX, Unix, RegEx
Skills	Machine Learning, Inference, Data Visualisation, Business Transformation, Project Management
Tools	Github, AWS, Atlassian, PowerBI, Tableau, Jupyter, Anaconda, Overleaf

HONOURS

Recipient of a 4+ ESRC PhD Studentship at LSE

Cum Laude honours in MSc Conflict Resolution and Governance, University of Amsterdam, June 2017.

Winner of LSE (Department of Methodology) Class Teacher Award 2024/25