Tom Cantellow

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EDUCATION

University of Bristol	Bristol, UK
PhD in Human Geography	*Oct. 2020 – Nov. 2024*
University of Sheffield	Sheffield, UK
MSc (Distinction) in Applied GIS	*Sep. 2017 - Sep. 2018*
University of Lincoln	Lincoln, UK
BA (Hons), 2:1, in International Relations	*Sep. 2012 - May 2016*
Ghent University	Ghent, Belgium
Erasmus Programme	*Sep. 2014 - Feb. 2015*

EXPERIENCE

Teacher — Oct. 2020 – May 2025
University of Bristol — *Bristol, UK*
- Designed and lead lectures for 'Understanding Global Problems Using Data', teaching quantitative analysis.
- Conducted Political Geography workshops for widening participation initiatives.
- Lead seminars across geographic sub-disciplines: political, economic, urban, and health geographies.
- Provided academic guidance and mentorship for student development.

Research Associate — Apr. 2023 – Sep. 2023 & Jun. 2024 - Dec. 2024
University of Bristol — *Bristol, UK*
- Developed Net-Zero Vulnerability Index, ranking UK areas by vulnerability to green economic restructuring.
- Contributed to public reports, academic articles, and built interactive websites for policy engagement.
- Analysed Bristol's rental housing energy efficiency and created an interactive webmap and report.

UKRI Policy Intern — Jun. 2022 – Sep.2022
UK Home Office, Central Analysis and Insights Team — *London, UK*
- Led analytical initiatives in data visualisation, spatial analysis, and communication for non-experts.
- Enhanced literature review methodology with dashboard-driven system for multi-user review.
- Managed projects, upskilled team members, and mentored junior interns.
- Consulted on evaluative survey redesign aligned with customer needs.

GIS Consultant — Apr. 2023 – May 2023
DEMOS — *London, UK*
- I produced all maps included in the 2023 Good Credit Index Report.

PROJECTS

Net Zero Resilience Index | *R, Leaflet, Github, QGIS* — Jun. 2024 – Dec. 2024
- Developed an economic complexity method utilising machine learning to analyse employment in the UK.
- Created a ranked resilience index for net-zero economic transition.
- Visualised and published index map via GitHub Pages.
- Authored detailed report and journal article (under review).

PhD Thesis | *R, QGIS* — Sep. 2020 – Nov. 2024
- Authored 58,000 word peer-reviewed thesis.
- Uses large surveys and local economic data with statistical models to analyse voting behaviour.
- Utilised machine learning, mixed-effects models, and descriptive statistics.
- Effectively balanced teaching, research projects, upskilling, and internships.

TECHNICAL SKILLS

Languages: R, SQL (SQLite), HTML/CSS, LaTeX.
Tools: RStudio, QGIS, ArcGIS, ArcGIS Online, Visual Studio, Excel, Overleaf, MS Office.
Libraries: Tidyverse, ggplot2, lme4, sjPlot, dotwhisker, webshot2.
Datasets: ACLED, British Election Study, British Social Attitudes Survey, Business Register and Employment Survey, Chapel Hill Expert Survey, Energy Performance Certificates, Indices of Multiple Deprivation, Scottish Census, UK Census, UK Household Longitudinal Study, UK Land Registry, and many others.