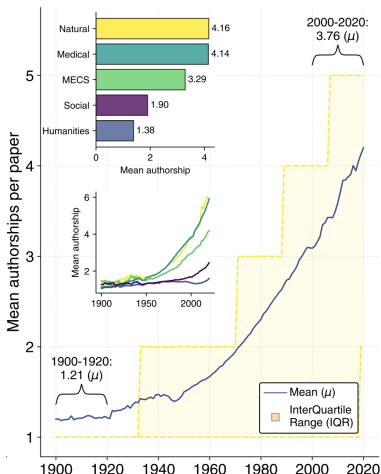


Scientometrics

Where to start? Everything is open, often with a focus on inequality. Three strands. Lets reserve figures for work in progress/preprints! Future direction at the end!

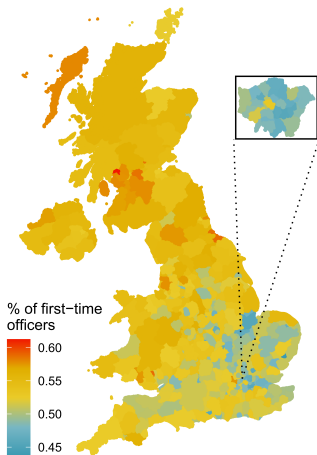


(a) Mean authorship over time.

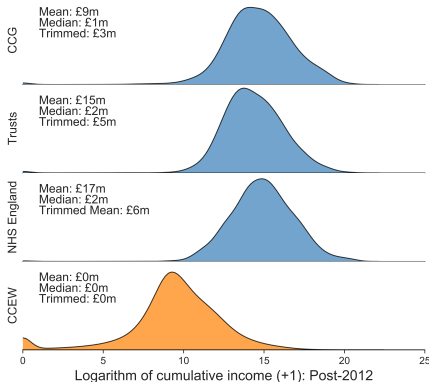
- **Scientometrics:** starting with paper began in 2017 (Comms Biology).
- This led to an interactive dashboard (gwasdiversitymonitor.com); just re-funded.
- More analysis on individual journals (Pop Studies) and themes (AI), and in-part powered a REF 2021 ICS.
- Most recently, we've begun the [informal] 'Evolution of Science' lab.
- Analyses of the **entire** scientific record. Three initial strands of work.
- Other work analyzes patterns across Global South and Global North.

Civic Technology

Big Administrative Data. Trilogy of procurement work. Old(er) dashboard on lobbying. Two papers under review, new ADR grant to build Third Sector Infrastructure!



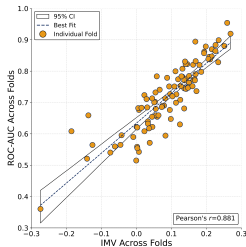
(b) Covid-19 Consolidated Corporate Control: Evidence from 8m administrative records.



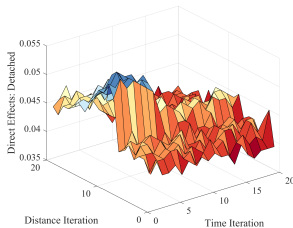
(c) Large Charities Hoover Up Public Contracts: Evidence from 25,583 heterogeneous datasets.

Machine Learning and Model Uncertainty

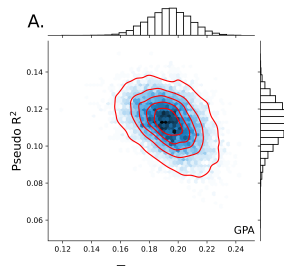
Partly as Co-I at the Centre for Care. Not shown: Prototype of library up online (next generation of specification curves). Combines big data, high-dimensional space, and visualising uncertainty around research. Hopefully published soon!



(d) Predictive Evaluation



(e) Grid-based Visualisation



(f) Pseudo-Random Uncertainty

A future workflow/large grant application: **‘How pre-determined are our lives?’**