

# Fabian Gunzinger

🌐 [fabiangunzinger.github.io](https://fabiangunzinger.github.io) ✉ [fa.gunzinger@gmail.com](mailto:fa.gunzinger@gmail.com) in [fabiangunzinger](#) 🔗 [fabiangunzinger](#)

I'm a behavioural and data scientist with 10+ years of research and 5+ years of project management experience in academia, central banking, and consulting. I use large datasets, insights from behavioural science, and methods from econometrics and machine learning to study human behaviour in the wild. The scientist in me loves doing this to further knowledge; the craftsman in me, to help build great products.

## Education

|   |                      |
|---|----------------------|
| <b>PhD in Behavioural Science</b> , Warwick Business School                                   | 2019–2022 (expected) |
| <b>MPhil in Economics</b> , University of Oxford  | 2015–2017            |
| <b>MSc in Economics</b> , University of Bern  | 2012–2014            |
| <b>BSc in Economics</b> , University of Bern  | 2009–2012            |
| <b>Pre-university</b> : commercial apprenticeship, military service, applied business studies | 2001–2009            |

## Work experience

|   |                       |
|---|-----------------------|
| <b>Data scientist</b> , <a href="https://tracktheeconomy.ac.uk">tracktheeconomy.ac.uk</a>   | 2020–2021             |
| <ul style="list-style-type: none"><li>• Designing and building interactive dashboard to track UK economic performance in real time at local level</li><li>• Working with private data providers to build fully automated pre-processing pipeline integrating all data assets such as individual-level bank-statement, mobile location data, and credit-scores (all of GB/TB-order size)</li><li>• Learning R and Shiny from scratch, and setting up and managing AWS resources (IAM, S3, EC2)</li></ul> |                       |
| <b>Research advisor</b> , Behavioural Insights Team, London   | 2018–2019             |
| <ul style="list-style-type: none"><li>• Designing, implementing, and analysing large-scale randomised controlled trials (A/B tests) across a range of policy areas</li><li>• Conducting exploratory data analysis including one to identify extraneous calls to a major UK police force</li><li>• Training and mentoring colleagues in Stata programming and statistical methods</li></ul>  |                       |
| <b>Research assistant</b> , Department of Economics, University of Oxford   | Autumn 2017           |
| <ul style="list-style-type: none"><li>• Performing analysis of a large-scale randomised controlled trial in Kenya testing the effect of behavioural interventions</li><li>• Setting up code-sharing platform for the lab on GitHub and training colleagues to use it</li></ul>  |                       |
| <b>Economist and staff to the Vice-Chairman</b> , Swiss National Bank, Bern   | 2013–2015             |
| <b>Research scientist</b> , Center for Health, Policy and Economics, University of Lucerne  | Autumns 2014 and 2015 |
| <ul style="list-style-type: none"><li>• Conducting data analysis for a project on the causal link between socioeconomic status and health behaviour</li><li>• Developing code for visualisations using ggplot2 that was used by the rest of the team</li></ul>  |                       |
| <b>Intern</b> , Credit Suisse Global Financial Market Research, Zurich,   | Spring 2012           |
| <b>Research assistant</b> , Chair of Applied Macroeconomics, ETH Zurich   | 2009–2013             |

## Skills

Programming languages: Python, R, Stata, SQL

Tools: AWS, bash, Git,  $\text{\LaTeX}$ , Make

Languages: German (native), English (fluent), French (basic)

## Teaching

|   |             |
|---|-------------|
| <b>Big Data Analytics</b> , Warwick Business School, Teaching assistant to Neil Stewart   | Spring 2021 |
| <ul style="list-style-type: none"><li>• Introduction to R (using <i>R for Data Science</i>) and machine learning (using <i>An Introduction to Statistical Learning</i>)</li></ul> |             |
| <b>Private tutor</b> , teaching econometrics and microeconomics to MBA, graduate, and undergraduate students  | 2015–2020   |

## Research

### **Levelling Down and the COVID-19 Lockdowns: Uneven Regional Recovery in UK Consumer Spending**

(with John Gathergood, Benedict Guttman-Kenney, Edika Quispe-Torreblanca and Neil Stewart)

*CEPR Covid Economics*, 2021, vol. 67, pp. 24-52.

### **It's Politics, Stupid! Political Constraints Explain Government's Reactions to the Great Recession**

(with Jan-Egbert Sturm, the paper is a version of my undergraduate thesis)

*Kyklos*, 2016, vol. 69(4), pp. 557-636. Reprinted in the International Monetary Fund book *Fiscal Politics*, 2017, pp. 177-213.

## Awards and honours

Warwick Business School PhD scholarship (full funding for 4 years)

Berrow Scholarship, Lincoln College, University of Oxford (full funding for MPhil degree)

Faculty Prize for graduating with highest honours (top 5 %) from MSc in Economics, University of Bern

Participant of the 11. Carroll Round (selective undergraduate conference), Georgetown University, Washington D.C., 2012