David Van Dijcke

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Education

University of Michigan
PhD, Economics
May 2022 – Present
Ann Arbor, US

– Visiting Research Student Collaborator, Princeton University (Mar 2024). Sponsor: Prof. Ulrich K. Müller.

University of Michigan
MA, Economics
Aug 2020 – May 2022
Ann Arbor, US

University of Oxford
Probationer Research Student, Economics
Oct 2019 – Aug 2020
Oxford, UK

– Equivalent to 2nd year of MPhil; no grades due to COVID-19.

KU Leuven
MSc Economics; MSc Economic Policy; BA Philosophy
Sep 2016 – Jul 2019
Leuven, BE

– **MSc Economics** (*Magna cum laude*, 83%): dissertation awarded Best Student Paper (201819).
– **MSc Economic Policy** (*Summa cum laude*, 85.77%): dissertation published in *Belgian Banking and Finance*.
– **BA Philosophy** (*Magna cum laude*, 81.57%).

Royal Academy of Fine Arts / Ghent University
BA, Theatre (Cum laude)
Sep 2013 – Jul 2016
Ghent, BE

Employment

Harris School of Public Policy, University of Chicago
Teaching Fellow
Oct 2024 – Nov 2024
Riyadh, Saudi Arabia

– Designed and taught a 3-week Applied Econometrics course for a policy training program jointly organized with the Saudi government.

Ipsos Public Affairs, LLC
Consulting Analyst, Risk Analytics
Mar 2022 – May 2024
Washington, DC, US

– Geospatial analyst for UN/World Bank post-disaster assessments (Gaza, Nepal, Afghanistan, Syria); findings cited by *Reuters* and other global outlets.
– Built an interactive real-time mobility monitoring app for FIFA World Cup 2022 (traffic, social media, geolocation data).
– Integrated SAR imagery, mobile device data, and surveys for conflict/disaster impact analysis (Ukraine, Tigray).
– **Technical stack:** Python, PySpark, AWS, ArcGIS, R Shiny, GeoPandas.

University of Michigan
Graduate Student Instructor
Aug 2021 – Present
Ann Arbor, US

– *Graduate:* Applied Microeconometrics; Intro to Econometric Analysis I. *Undergrad:* Intermediate Statistics & Econometrics I.

Bank of England
Academic Visitor / PhD Intern
May 2020 – Present
London, UK

– Research and policy analysis using big data on UK labor markets and the COVID-19 economy; results presented to the MPC and published as two Staff Working Papers.

Honors and Awards

- Lawrence Klein Fellowship in Econometrics, University of Michigan (2025)
- Rackham Predoctoral Fellowship, University of Michigan (2024)
- WU Best Paper Award, City of Vienna (2022)
- Honorary Fellow, Belgian American Educational Foundation (202021)
- Pinxten Award, Best MSc Economics Paper, KU Leuven (2019)

Research

Job Market Paper

Van Dijcke, D. (2025a). Regression discontinuity design with distribution-valued outcomes [Job Market Paper]. *arXiv preprint arXiv:2504.03992*

Publications

1. Van Dijcke, D., Wright, A. L., & Polyak, M. (2023). Public response to government alerts saves lives during Russian invasion of Ukraine. *Proceedings of the National Academy of Sciences*

2. Milosh, M., Painter, M., Sonin, K., Van Dijcke, D., & Wright, A. L. (2021). Unmasking partisanship: Polarization undermines public response to collective risk. *Journal of Public Economics*

3. Brzezinski, A., Kecht, V., Van Dijcke, D., & Wright, A. L. (2021). Science skepticism reduced compliance with COVID-19 shelter-in-place policies in the United States. *Nature Human Behaviour*, *5*(11), 1519–1527

4. Brzezinski, A., Deiana, G., Kecht, V., & Van Dijcke, D. (2020). The COVID-19 pandemic: Government vs. community action across the United States. *Covid Economics: Vetted and Real-Time Papers*, *7*, 115–156

5. Van Dijcke, D. (2018). The impact of ECB unconventional monetary policy on income inequality in the Netherlands. *Bank en Financiewezen*, *3*

Working Papers

1. Van Dijcke, D. (2025b). A test for jumps in metric-space conditional means [Under review]. *arXiv preprint arXiv:2507.04560*

2. Gunsilius, F., & Van Dijcke, D. (2025). disco: Distributional synthetic controls [R&R at The Stata Journal]. *arXiv preprint arXiv:2501.07550*

3. Van Dijcke, D., Gunsilius, F., & Wright, A. L. (2024). Return to office and the tenure distribution [R&R at The Review of Economics and Statistics]. *University of Chicago, Becker Friedman Institute for Economics Working Paper*, (2024-56)

4. Gunsilius, F., & Van Dijcke, D. (2024). Free discontinuity regression [Under review]

5. Van Dijcke, D. (2023). On the non-identification of revenue production functions [Under review]. *Bank of England Staff Working Papers*, *1015*

6. Van Dijcke, D., Buckmann, M., Turrell, A., & Key, T. (2023). Vacancy posting, firm balance sheets and government interventions during the COVID-19 pandemic [Under review]. *Bank of England Staff Working Papers (Forthcoming)*

7. Sonin, K., Van Dijcke, D., & Wright, A. L. (2023). Isolation and insurrection: How partisanship and political geography fueled January 6, 2021 [Under review]. *University of Chicago, Becker Friedman Institute for Economics Working Paper*, (2021-13)

8. Van Dijcke, D., & Wright, A. L. (2020). Using mobile device traces to improve near-real time data collection during the george floyd protests [Research note]. *Available at SSRN 3621731*

9. Lewis, V., & Van Dijcke, D. (2019). Work effort and the cycle: Evidence from survey data [Under review]. *Deutsche Bundesbank Discussion Papers*

Other Professional Activities

Referee: Journal of Public Economics; Journal of the European Economic Association; Harvard Kennedy School Misinformation Review.

Presentations

2025 Econometrics Seminar, Emory University; New Methods Seminar, Bank of England; EEA Congress, Bordeaux School of Economics; Econometrics Seminar, University of Copenhagen; Southern Economic Association Annual Conference, Florida.
2024 Michigan IO-Econometrics Workshop, University of Michigan; Remote Work Conference, Stanford University; New Connections in the Study of Political Economy, Panama; ESIF Economics and AI+ML Meeting, Cornell University; ASSA 2024, San Antonio.
2023 Econometric Society European Winter Meeting 2023, University of Manchester; Econometric Society North America Summer Meeting 2023, UCLA; New Methods Seminar, Bank of England; ASSA 2023, New Orleans; Dewey Data Research Seminars; Ipsos Center for Analytics Excellence.
2022 EEA-ESAM Congress, Bocconi University; Econometric Society Australasia Meeting; ESCoE Conference on Economic Measurement, University of Strathclyde; Bank of England.
2021 NBER Summer Institute 2021, National Security Session; Bank of England; Indeed Policy Partners Workshop.
2020 2020 Banca d'Italia and Federal Reserve Board Joint Conference on Nontraditional Data & Statistical Learning; SafeGraph Data Consortium; University of Oxford Macro Lunch.
2019 Minsky at 100: Revisiting Financial Stability Università Cattolica del Sacro Cuore Milano; Deutsche Bundesbank.

Technical Skills

AI/ML: PyTorch; Transformers/PEFT; RL; CV; Causal ML & Econometrics • **Geo/RS:** ArcGIS; GeoPandas; spatial SQL (Spark); SAR • **Big Data/Cloud:** Spark/PySpark; AWS; BigQuery; Slurm • **Coding:** Python; R; Stata; MATLAB; C++; Fortran • **Other:** Git; Linux; LaTeX; R Shiny; SQL

Software

1. R3D (R): Regression Discontinuity with Distribution-Valued Outcomes
   https://www.davidvandijcke.com/R3D/

2. frechesTest (R): Test for Jumps in Metric-Space Conditional Means
   https://github.com/Davidvandijcke/frechesTest

3. DiSCos (R, Stata): Distributional Synthetic Controls https://www.davidvandijcke.com/DiSCos/