MILAN WIEDEMANN

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EDUCATION

DPhil in Experimental Psychology   October 2016 - February 2021
University of Oxford, Oxford Centre for Anxiety Disorders and Trauma

Thesis: Processes of change in cognitive therapy for posttraumatic stress disorder
Supervised by Prof. Anke Ehlers and Prof. David M. Clark

MSc in Psychology   August 2013 - September 2015
Technische Universität Braunschweig

BSc in Psychology   September 2010 - August 2013
Technische Universität Braunschweig
University of Groningen

EMPLOYMENT

University of Oxford   October 2021 - Present
Research Associate, Bennett Institute for Applied Data Science   Oxford, UK

Evaluating quality of care indicators in the National Health Service.
Developing software in Python to make it easier to work with electronic health records.

Nottinghamshire Healthcare NHS Foundation Trust   October 2020 - September 2021
Data Scientist, Clinical Development Unit   Nottingham, UK

Developing R packages to access, analyse, and visualise healthcare data.
Evaluating clinical outcomes, health inequalities, patient experiences, and service use.

University of Oxford   April 2015 - October 2020
Research Assistant, Oxford Centre for Anxiety Disorders and Trauma   Oxford, UK

Creating videos for training psychologists in cognitive behavioural treatments.
Producing patient testimonials and educational videos for a PTSD internet treatment.

Technische Universität Braunschweig   September 2012 - March 2015
Research Assistant, Institute of Clinical Psychology   Braunschweig, GER

Conducting clinical interviews with adolescents for a longitudinal study.
Managing large clinical databases for research teams.

TEACHING

University of Oxford   Hilary Terms 2018, 2020
Tutor and Demonstrator, Department of Experimental Psychology   Oxford, UK

Module: Psychological Disorders and Individual Differences

Technische Universität Braunschweig   September 2012 - March 2015
Teaching Assistant, Institutes of Clinical Psychology and Methodology   Braunschweig, GER

Modules: Psychological Diagnostics, Analysis with Statistical Software

PUBLICATIONS

Peer-reviewed

1. **Wiedemann, M.,** Speed, V., Cunningham, C., Higgins, R., Curtis, H. J., Andrews, C., Fisher, L., Hopcroft, L. E. M., Rentsch, C. T., Mahalingasivam, V., Tomlinson, L., Morton, C. E., Samuel, M., Green, A. C. A., Wood, C., Brown, A., Massey, J., Walters, C., Smith, R., Inglesby, P., Evans, D., Maude, S., Dillingham, I., Walker, A. J., Morley, J., Mehrkar, A., Bacon, S. C. J., Bates, C., Cockburn, J., Parry, J., Hester, F., Harper, S., McManus, R. J., Goldacre, B. & MacKenna, B. Impact of COVID-19 on recorded blood pressure screening and hypertension management in England: An analysis of monthly changes in Quality and Outcomes Framework indicators in OpenSAFELY. *Open Heart.* doi:`10.1136/openhrt-2024-002732` (2024).

2. **Wiedemann, M.,** Janecka, M., Wild, J., Warnock-Parkes, E., Stott, R., Grey, N., Clark, D. M. & Ehlers, A. Changes in cognitive processes and coping strategies precede changes in symptoms during cognitive therapy for posttraumatic stress disorder. *Behaviour Research and Therapy.* doi:`10.1016/j.brat.2023.104407` (2023).

3. **Wiedemann, M.,** Thew, G. R., Urska, K. & Ehlers, A. lcsm: An R package and tutorial on latent change score modelling. *Wellcome Open Research.* doi:`https://doi.org/10.12688/wellcomeopenres.17536.1` (2022).

4. **Wiedemann, M.,** Thew, G. R., Stott, R. & Ehlers, A. suddengains: An R package to identify sudden gains in longitudinal data. *PLOS ONE.* doi:`10.1371/journal.pone.0230276` (2020).

5. **Wiedemann, M.,** Stott, R., Nickless, A., Beierl, E. T., Wild, J., Warnock-Parkes, E., Grey, N., Clark, D. M. & Ehlers, A. Cognitive processes associated with sudden gains in cognitive therapy for posttraumatic stress disorder in routine care. *Journal of Consulting and Clinical Psychology.* doi:`10.1037/ccp0000488` (2020).

6. Brown, A. D., Fisher, L., Curtis, H. J., **Wiedemann, M.,** Hulme, W. J., Speed, V., Hopcroft, L. E. M., Cunningham, C., Costello, R. E., Galloway, J. B., Russell, M. D., Bechman, K., Kurt, Z., Croker, R., Wood, C., Walker, A. J., Schaffer, A. L., Bacon, S. C. J., Mehrkar, A., Hickman, G., Bates, C., Cockburn, J., Parry, J., Hester, F., Harper, S., Goldacre, B., Collaborative, T. O. & MacKenna, B. OpenSAFELY: The Impact of COVID-19 on Azathioprine, Leflunomide and Methotrexate Monitoring, and Factors Associated with Change in Monitoring Rate. *British Journal of Clinical Pharmacology.* doi:`10.1111/bcp.16062` (2024).

7. Schaffer, A. L., Andrews, C. D., Brown, A. D., Croker, R., Hulme, W. J., Nab, L., Quinlan, J., Speed, V., Wood, C., **Wiedemann, M.,** Massey, J., Inglesby, P., Bacon, S. C. J., Mehrkar, A., Bates, C., Goldacre, B., Walker, A. J., MacKenna, B., Bridges, L., Butler-Cole, B. F., Davy, S., Dillingham, I., Evans, D., Fisher, L., Green, A., Hart, L., Hickman, G., Maude, S., O'Dwyer, T., Smith, R. M., Stokes, P., Ward, T., Cockburn, J., Harper, S., Hester, F. & Parry, J. Changes in Opioid Prescribing during the COVID-19 Pandemic in England: An Interrupted Time-Series Analysis in the OpenSAFELY-TPP Cohort. *The Lancet Public Health.* doi:`10.1016/S2468-2667(24)00100-2` (2024).

8. Nab, L., Schaffer, A., Hulme, W., DeVito, N. J., Dillingham, I., **Wiedemann, M.,** Andrews, C., Curtis, H., Fisher, L., Green, A., Massey, J., Walters, C., Higgins, R., Cunningham, C., Morley, J., Mehrkar, A., Hart, L., Davy, S., Evans, D., Hickman, G., Inglesby, P., Morton, C. E., Smith, R. M., Ward, T., O'Dwyer, T., Maude, S., Bridges, L., Butler-Cole, B. F., Stables, C. L., Stokes, P., Bates, C., Cockburn, J., Hester, F., Parry, J., Bhaskaran, K., Schultze, A., Rentsch, C. T., Mathur, R., Tomlinson, L., Williamson, E., Smeeth, L., Walker, A., Bacon, S., MacKenna, B. & Goldacre, B. OpenSAFELY: A Platform for Analysing Electronic Health Records Designed for Reproducible Research. *Pharmacoepidemiology and Drug Safety.* doi:`10.1002/pds.5815` (2024).

9. Fisher, L., Curtis, H. J., Croker, R., **Wiedemann, M.,** Speed, V., Wood, C., Brown, A., Hopcroft, L. E., Higgins, R., Massey, J., Inglesby, P., Morton, C. E., Walker, A. J., Morley, J., Mehrkar, A., Bacon, S., Hickman, G., Macdonald, O., Lewis, T., Wood, M., Myers, M., Samuel, M., Conibere, R., Baqir, W., Sood, H., Drury, C., Collison, K., Bates, C., Evans, D., Dillingham, I., Ward, T., Davy, S., Smith, R. M., Hulme, W., Green, A., Parry, J., Hester, F., Harper, S., Cockburn, J., O'Hanlon, S., Eavis, A., Jarvis, R., Avramov, D.,

Griffiths, P., Fowles, A., Parkes, N., MacKenna, B. & Goldacre, B. Eleven key measures for monitoring general practice clinical activity during COVID-19 using federated analytics on 48 million adults' primary care records through OpenSAFELY. *eLife.* doi:`10.7554/eLife.84673` (2023).

10. Curtis, H. J., MacKenna, B., **Wiedemann, M.,** Fisher, L., Croker, R., Morton, C. E., Inglesby, P., Walker, A. J., Morley, J., Mehrkar, A., Bacon, S. C., Hickman, G., Evans, D., Ward, T., Davy, S., Hulme, W. J., Macdonald, O., Conibere, R., Lewis, T., Myers, M., Wanninayake, S., Collison, K., Drury, C., Samuel, M., Sood, H., Cipriani, A., Fazel, S., Sharma, M., Baqir, W., Bates, C., Parry, J. & Goldacre, B. OpenSAFELY NHS Service Restoration Observatory 2: changes in primary care activity across six clinical areas during the COVID-19 pandemic. *British Journal of General Practice.* doi:`10.3399/BJGP.2022.0301` (2022).

11. Green, A. C. A., Curtis, H. J., Higgins, R., Nab, L., Mahalingasivam, V., Smith, R. M., Mehrkar, A., Inglesby, P., Drysdale, H., DeVito, N. J., Croker, R., Rentsch, C. T., Bhaskaran, K., Tazare, J., Zheng, B., Andrews, C. D., Bacon, S. C. J., Davy, S., Dillingham, I., Evans, D., Fisher, L., Hickman, G., Hopcroft, L. E. M., Hulme, W. J., Massey, J., MacDonald, O., Morley, J., Morton, C. E., Park, R. Y., Walker, A. J., Ward, T., **Wiedemann, M.,** Bates, C., Cockburn, J., Parry, J., Hester, F., Harper, S., Douglas, I. J., Evans, S. J. W., Goldacre, B., Tomlinson, L. A. & MacKenna, B. Trends, variation, and clinical characteristics of recipients of antiviral drugs and neutralising monoclonal antibodies for covid-19 in community settings: retrospective, descriptive cohort study of 23.4 million people in OpenSAFELY. *BMJ Medicine* **2.** doi:`10.1136/bmjmed-2022-000276` (2023).

12. Beierl, E. T., Murray, H., **Wiedemann, M.,** Warnock-Parkes, E., Wild, J., Stott, R., Grey, N., Clark, D. M. & Ehlers, A. The relationship between working alliance and symptom improvement in cognitive therapy for posttraumatic stress disorder. *Frontiers in Psychiatry* **12.** doi:`10.3389/fpsyt.2021.602648` (2021).

13. Kosir, U., Loades, M. E., Wild, J., **Wiedemann, M.,** Krajnc, A., Roškar, S. & Bowes, L. What was the impact of COVID-19 on Adolescent and Young Adult cancer care and their wellbeing? Results from a cross-sectional online survey conducted in the early stages of the pandemic. *Cancer.* doi:`10.1002/cncr.33098` (2020).

14. Kosir, U., **Wiedemann, M.,** Wild, J. & Bowes, L. Psychiatric disorders in adolescent cancer survivors: A systematic review of prevalence and predictors. *Cancer Reports,* e1168. doi:`10.1002/cnr2.1168` (2019).

15. Kosir, U., **Wiedemann, M.,** Wild, J. & Bowes, L. Cognitive Mechanisms in Adolescent and Young Adult Cancer Patients and Survivors: Feasibility and Preliminary Insights from the Cognitions and Affect in Cancer Resiliency Study. *Journal of Adolescent and Young Adult Oncology.* doi:`10.1089/jayao.2019.0127` (2019).

16. Wild, J., Warnock-Parkes, E., Grey, N., Stott, R., **Wiedemann, M.,** Canvin, L., Rankin, H., Shepherd, E., Forkert, A., Clark, D. M. & Ehlers, A. Internet-delivered cognitive therapy for PTSD: A development pilot series. *European Journal of Psychotraumatology* **7.** doi:`10.3402/ejpt.v7.31019` (2016).

Preprints

1. Hulme, W. J., Williamson, E. J., Horne, E., Green, A., Nab, L., Keogh, R., Parker, E. P., Walker, V., Palmer, T., Curtis, H., **Wiedemann, M.,** Cunningham, C., Walker, A. J., Fisher, L., MacKenna, B., Rentsch, C. T., Schultze, A., Bhaskaran, K., Tazare, J., Tomlinson, L., McDonald, H. I., Morton, C. E., Croker, R., Andrews, C., Parks, R., Hopcroft, L., Massey, J., Morley, J., Mehrkar, A., Bacon, S., Evans, D., Inglesby, P., Hickman, G., Davy, S., Dillingham, I., Ward, T., Mahalingasivam, V., Zheng, B., Douglas, I. J., Evans, S. J., Bates, C., Sterne, J. A., Hernán, M. A. & Goldacre, B. Effectiveness of BNT162b2 booster doses in England: an observational study in OpenSAFELY-TPP. *medRxiv.* doi:`10.1101/2022.06.06.22276026` (2022).

2. Lorenzo-Luaces, L., **Wiedemann, M.,** Huibers, M. J. H. & Lemmens, L. H. J. M. A permutation test to probe the statistical significance of sudden gain frequency: An application to patterns of change in cognitive and interpersonal therapy for depression. *PsyArXiv.* doi:`10.31234/osf.io/jbzw3` (2020).

R

1. *lcsm: An R package and tutorial on latent change score modelling.* `https://milanwiedemann.github.io/lcsm/`.
2. *suddengains: An R package to identify sudden gains in longitudinal data.* `https://milanwiedemann.github.io/suddengains`.

Python

3. *ehrQL: An electronic health records query language.* `https://github.com/opensafely-core/ehrql/`.