

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

Peer-reviewed

1. **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).
2. **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).
3. **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).
4. **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).
5. 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).
6. 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).
7. 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).
8. 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).
9. 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/cnccr.33098 (2020).
10. 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).

11. 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).
12. 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. **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. *medRxiv*. doi:10.1101/2023.07.20.23292883 (2023).
2. 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. *OSF Preprints*. doi:10.31219/osf.io/hj2sg (2024).
3. 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-TTP. *medRxiv*. doi:10.1101/2022.06.06.22276026 (2022).
4. 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).

OPEN SOURCE SOFTWARE CONTRIBUTIONS

R

1. *lscsm: An R package and tutorial on latent change score modelling*. <https://milanwiedemann.github.io/lscsm/>.
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/>.