

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
Developing software in Python to improve research with electronic health records.
Conducting research to evaluate quality of care indicators in the National Health Service.

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: Practical Course of Psychological Diagnostics, Fundamentals of Psychological Diagnostics, Laboratory Experience and 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. 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).
6. 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).
7. 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/fpsy.2021.602648 (2021).
8. 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/cnrc.33098 (2020).
9. 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/cnr.2.1168 (2019).
10. 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).
11. 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. doi:10.1101/2023.07.20.23292883 (2023).
2. 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. doi:10.1101/2022.06.06.22276026 (2022).
3. 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. *medRxiv*. doi:10.1101/2022.10.17.22281058 (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. *lscm: An R package and tutorial on latent change score modelling*. <https://milanwiedemann.github.io/lscm/>.
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/>.