

# MILAN WIEDEMANN

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## EDUCATION AND QUALIFICATIONS

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<b>DPhil in Experimental Psychology</b> 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	October 2016 - February 2021
<b>MSc in Psychology</b> Technische Universität Braunschweig	August 2013 - September 2015
<b>BSc in Psychology</b> Technische Universität Braunschweig University of Groningen	September 2010 - August 2013

## RESEARCH EXPERIENCE

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<b>University of Oxford</b> Research Associate, Bennett Institute for Applied Data Science Developing technical solution in Python and R to improve healthcare analytics. Conducting clinical research using the OpenSAFELY platform.	October 2021 - Present Oxford, UK
<b>Nottinghamshire Healthcare NHS Foundation Trust</b> Data Scientist, Clinical Development Unit Evaluating clinical outcomes and service use in routinely collected NHS patient data. Developing open source tools to access, analyse, and visualise healthcare data using R and SQL.	October 2020 - September 2021 Nottingham, UK
<b>University of Oxford</b> Research Assistant, Oxford Centre for Anxiety Disorders and Trauma Creating videos for training clinical psychologists in specialised cognitive behavioural treatments. Production of patient testimonials and educational videos for a PTSD internet treatment program.	April 2015 - October 2020 Oxford, UK
<b>Technische Universität Braunschweig</b> Part-time Research Assistant, Institute of Clinical Psychology Conducting clinical interviews with adolescents for a longitudinal study. Setting up and managing large databases for national and international research teams.	September 2012 - March 2015 Braunschweig, GER

## TEACHING EXPERIENCE

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<b>University of Oxford</b> Tutor and Demonstrator, Department of Experimental Psychology Module: Psychological Disorders and Individual Differences	Hilary Terms 2018, 2020 Oxford, UK
<b>Technische Universität Braunschweig</b> Teaching Assistant, Institutes of Clinical Psychology and Methodology Modules: Practical Course of Psychological Diagnostics, Fundamentals of Psychological Diagnostics, Laboratory Experience and Analysis with Statistical Software	September 2012 - March 2015 Braunschweig, GER

## TECHNICAL STRENGTHS & OTHER SKILLS

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Software development	R, Python, SQL, Git
Video & Audio editing	Final Cut X, iZotope RX
Languages	German (native), English (fluent)

## PUBLICATIONS

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### Peer-reviewed

1. **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).
2. **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).
3. **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).
4. 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).
5. 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).
6. 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).
7. 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).
8. 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).
9. 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. 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).
2. 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. *medRxiv*. doi:10.1101/2022.06.01.22275674 (2022).
  3. 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

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### R Packages

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>.