

# MILAN WIEDEMANN

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## EDUCATION AND QUALIFICATIONS

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- University of Oxford** *October 2016 - February 2021*  
DPhil in Experimental Psychology at the 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
- Technische Universität Braunschweig** *August 2013 - September 2015*  
MSc in Psychology  
Study focus: Clinical Psychology
- Technische Universität Braunschweig** *August 2011 - September 2013*  
BSc in Psychology
- University of Groningen** *September 2010 - August 2011*  
BSc in Psychology
- DRK-Rettungsschule Goslar** *July 2008 - March 2009*  
Rettungssanitäter (in English 'Paramedic')

## CLINICAL & RESEARCH EXPERIENCE

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- Nottinghamshire Healthcare NHS Foundation Trust** *October 2020 - Present*  
*Data Scientist, Clinical Development Unit* *Nottingham, UK*
- 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
- University of Oxford** *October 2016 - October 2020*  
*Part-time Research Assistant, Oxford Centre for Anxiety Disorders and Trauma* *Oxford, UK*
- Creating videos for training clinical psychologists in specialised cognitive behavioural treatments
  - Teaching and supervising Research Assistants in filming and editing techniques
- University of Oxford** *April 2015 - August 2016*  
*Research Assistant, Oxford Centre for Anxiety Disorders and Trauma* *Oxford, UK*
- Production of patient testimonials and educational videos together with clinical psychologists
  - Animation of psycho-educational illustrations
  - Administration of text, video and audio content for online therapy programmes
- Technische Universität Braunschweig** *September 2012 - March 2015*  
*Part-time Research Assistant, Institute of Clinical Psychology* *Braunschweig, GER*
- Conducting clinical interviews with adolescents for a longitudinal study
  - Setting up and managing large databases for national and international research teams
- Local Health Authority Berlin Pankow** *February 2012 - March 2012*  
*Intern, Social Psychiatric Department* *Berlin, GER*
- Conducting initial clinical interviews as well as follow-up interviews under supervision
  - Making house calls as part of a multidisciplinary team in emergency situations

## TEACHING EXPERIENCE

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| <b>University of Oxford</b><br><i>Tutor (8 weeks), Department of Experimental Psychology</i>                        | Hilary Term 2020<br><i>Oxford, UK</i>                     |
| · Module: Psychological Disorders and Individual Differences  |   |
| <b>University of Oxford</b><br><i>Demonstrator (8 weeks), Department of Experimental Psychology</i>                 | Hilary Term 2018<br><i>Oxford, UK</i>                     |
| · Module: Psychological Disorders and Individual Differences  |   |
| <b>Technische Universität Braunschweig</b><br><i>Teaching Assistant, Institute of Clinical Psychology</i>           | April 2014 - March 2015<br><i>Braunschweig, GER</i>       |
| · Module: Practical Course of Psychological Diagnostics   |   |
| · Module: Fundamentals of Psychological Diagnostics   |   |
| <b>Technische Universität Braunschweig</b><br><i>Teaching Assistant, Institute of Methodology and Biopsychology</i> | September 2012 - January 2014<br><i>Braunschweig, GER</i> |
| · Module: Laboratory Experience and Analysis with Statistical Software  |   |

## ADDITIONAL EXPERIENCE

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| <b>Arbeiter-Samariter-Bund Braunschweig</b><br><i>Part-time Paramedic</i> | May 2010 - March 2015<br><i>Braunschweig, GER</i>  |
| · Medical care during emergency and non-emergency patient transports      |  |
| <b>Arbeiter-Samariter-Bund Braunschweig</b><br><i>Civilian Service</i>    | July 2008 - March 2009<br><i>Braunschweig, GER</i> |
| · Training as a 'Paramedic' (in German: Rettungssanitäter)                |  |
| · Medical care during emergency and non-emergency patient transports      |  |

## SCHOLARSHIPS

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| <b>Mental Health Research UK</b><br><i>Travel Grant</i>             | May 2018      |
| <b>Wolfson College, University of Oxford</b><br><i>Travel Grant</i> | June 2017     |
| <b>Mental Health Research UK</b><br><i>4-year PhD Scholarship</i>   | October 2016  |
| <b>Erasmus plus</b><br><i>Graduate Student Scholarship</i>          | February 2015 |

## SELECTED PROFESSIONAL DEVELOPMENT

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| <b>Berlin Oxford Teaching Alliance for Quantitative Neuroscience</b><br><i>Bernstein Center for Computational Neuroscience Berlin, 2 days</i> | March 2019   |
| <b>Preparing for Teaching in Psychology</b><br><i>University of Oxford, Department of Experimental Psychology, 1 day</i>                      | March 2019   |
| <b>DeGPT Autumn School</b><br><i>Deutschsprachige Gesellschaft für Psychotraumatologie, 4 days</i>  | October 2018 |

**Psychological Networks Summer School**

August 2018

*University of Amsterdam, 5 days***Summer School of Advanced Quantitative Methods**

May 2018

*University of Oxford, Department of Education, 5 days***Testing for Mediation and Moderation Using Mplus**

June 2017

*Figure It Out - Statistical Consultancy and Training, 1 day***Multilevel Analysis for Longitudinal Data**

February 2016

*Universität Landau, Methodenzentrum, 3 days***Structural Equation Models for Longitudinal Data**

February 2016

*Universität Landau, Methodenzentrum, 2 days***TECHNICAL STRENGTHS & OTHER SKILLS**

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<b>Statistics &amp; Data science</b>	R, SQL, Mplus, Python, SPSS
<b>Software development</b>	Git, Continuous integration, Shiny
<b>Scientific writing</b>	R Markdown, Zotero, LaTeX, BibTeX, Microsoft Office
<b>Video &amp; Audio editing</b>	Final Cut X, iZotope RX
<b>Languages</b>	German (native), English (fluent)

**PUBLICATIONS**

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**Peer-reviewed**

1. **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).
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. 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).
4. 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).
5. 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).
6. 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).
7. 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. 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).

## Software

1. *lscsm: An R package for latent change score modeling* (2021). <https://milanwiedemann.github.io/lscsm/>.
2. *suddengains: An R package to identify sudden gains in longitudinal data* (2021). <https://milanwiedemann.github.io/suddengains>.

## PRESENTATIONS

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### Conference presentations

1. **Wiedemann, M.**, Thew, G. R., Stott, R. & Ehlers, A. Automating the identification of sudden gains within psychological therapy datasets: A new R package. *World Congress of Behavioural and Cognitive Therapies, Berlin, Germany* (2019).
2. **Wiedemann, M.**, Stott, R., Nickless, A., Beierl, E. T., Wild, J., Warnock-Parkes, E., Grey, N., Clark, D. M. & Ehlers, A. Cognitive processes of sudden gains in cognitive therapy for PTSD in routine clinical care. *World Congress of Behavioural and Cognitive Therapies, Berlin, Germany* (2019).
3. **Wiedemann, M.**, Janecka, M., Wild, J., Warnock-Parkes, E., Stott, R., Grey, N., Clark, D. M. & Ehlers, A. A test of theory-derived mediators of clinical improvement in cognitive therapy for PTSD. *World Congress of Behavioural and Cognitive Therapies, Berlin, Germany* (2019).
4. **Wiedemann, M.**, Clark, D. M. & Ehlers, A. Predictors and processes of sudden gains in cognitive therapy for PTSD. *European Association for Behavioural and Cognitive Therapies, Ljubljana, Slovenia* (2017).

### Talks

1. Soteriades, A. & **Wiedemann, M.** Extracting and deploying intelligence from text-based patient experience data - An open source project using Python and R. *Bristol Data Science Seminar Series, Jean Golding Institute, UK* (2021).
2. **Wiedemann, M.** My journey from error messages to R Packages - Building tools to improve reproducibility and productivity in clinical psychology. *R User Group Oxford, UK* (2020).
3. **Wiedemann, M.**, Clark, D. M. & Ehlers, A. Processes of change in cognitive therapy for PTSD - Taking a closer look at how therapy works. *University of Pennsylvania, DeRubeis Lab* (2018).
4. **Wiedemann, M.**, Clark, D. M. & Ehlers, A. Processes of change in cognitive therapy for PTSD - Sudden symptom improvements during therapy. *University of Groningen, WEIRD Seminar Series* (2018).
5. **Wiedemann, M.**, Clark, D. M. & Ehlers, A. Sudden gains in cognitive therapy for PTSD - Can large and stable improvements between sessions help us understand how therapy works? *University of Exeter, Mood Disorder Centre, The Think-Tank Seminar* (2018).
6. **Wiedemann, M.** Digital methods in internet-delivered cognitive therapy for PTSD: Results from a pilot study. *Local Health Authority Berlin Pankow* (2016).
7. **Wiedemann, M.** Mental health care in England - Overview of the improving access to psychological therapies (IAPT) programme. *Local Health Authority Berlin Pankow* (2015).