

JULIUS KRICHELDORFF

As a Neuroscientist with five years of experience in data analysis, I am transitioning into the field of Data Analytics. With my background in exploring cognitive impairments in the clinic, I developed expertise in data visualization, statistical analysis, and programming with Python and R. I bring a unique perspective to uncovering data-driven insights and am looking for a position where I can apply my skills.



EDUCATION

- Present
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03/2019
- **PhD. Candidate, Psychology**
Carl von Ossietzky University of Oldenburg 📍 Oldenburg, DE
 - Dissertation - Failed flexible cognitive control adjustment in patients with Parkinson's disease
 - Specialized in experimental design, Bayesian statistical modeling, and time-series analysis for EEG data
 - Research Assistant at the department of neurology
- 05/2025
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02/2025
- **Advanced Training - Data Engineer**
Pantheon-Sorbonne University/ DataScientest.com 📍 Remote
 - Training in data pipeline development, ETL processes, and distributed computing using Python, database optimization, and building scalable data infrastructure
- 07/2024
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05/2024
- **Advanced Training - Data Analyst**
Pantheon-Sorbonne University/ DataScientest.com 📍 Remote
 - Training in data analysis in Python, machine learning, webscraping and Business Intelligence tools
 - Project investigating publically available data on climate change using machine learning analyses
- 08/2018
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09/2016
- **MSc., Cognitive Neuroscience**
University of Groningen 📍 Groningen, NL
 - Thesis I - Applied ridge regression to decode perceptual and memory decisions from EEG data
 - Thesis II - Applied hidden semi-Markov models to decode cognitive processing stages from EEG data
- 08/2016
|
09/2012
- **BSc., Psychology**
University of Groningen 📍 Groningen, NL
 - Thesis - Replicated Findings of Time Perception in an ecologically valid setting

CONTACT

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📞 [shichik07](https://t.me/shichik07)
🌐 julius-kricheldorff.com
in [juliuskricheldorff](https://www.linkedin.com/company/juliuskricheldorff)

PROGRAMMING SKILLS

R

Python

Git

Matlab

SQL

LANGUAGE SKILLS

German

English

Japanese

Made with the R package
[pagedown](https://github.com/juliuskricheldorff/pagedown).

06/2010
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08/2003

● Abitur

John-Lennon-Gymnasium

📍 Berlin, DE

- High school exchange at Shichirigahama High School, Kamakura Japan, 04/2007 to 02/2008



WORK EXPERIENCE

01/2024
|
03/2019

● Research Assistant

Carl von Ossietzky University of Oldenburg, Department of Neurology

📍 Oldenburg, DE

- Design, recording, analysis, and reporting of behavioural- and EEG experiments
- Started, built and administered the EEG-Lab for the Department of Neurology
- Mentored medical students on best practices for scientific research

03/2016
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01/2016

● Student Assistant

Department of Experimental Psychology, University of Groningen

📍 Groningen, NL

- EEG Data acquisition for the doctoral thesis of Nadine Schlichting

07/2011
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06/2011

● Research Internship

Reference and Translation Center for Cardiac Stem Cell Therapy, University of Rostock

📍 Rostock, DE

- Wetlab work including stem cell isolation, immunofluorescence staining and flow cytometry analysis

06/2011
|
11/2010

● Nursing Internship

Department of Cardiac Surgery, Rostock University Medical Center

📍 Rostock, DE

- Supporting nursing staff in day to day activities



SKILLS

● Analytical

Frequentist Statistics, Bayesian Statistics, Machine Learning (Scikit-learn), Cognitive Modeling, Time-Frequency Analysis

● Data Wrangling

tidyverse, pandas, Excel

● Data Visualization

Power BI, ggplot, matplotlib, seaborn, streamlit, tableau

- **Satistical Software**
JASP, SPSS



SELECTED PUBLICATIONS, POSTERS, AND TALKS

- 11/2023 ● **Impaired Proactive Cognitive Control in Parkinson's disease¹**
Brain Communications
• Journal article authored with Julia Ficke and Karsten Witt
- 03/2023 ● **Behavioural and electrophysiological characteristics of adaptive control in Parkinson's disease**
Congress for Clinical Neuroscience with Advanced Training Academy
• Poster presentation co-authored by Julia Ficke and Karsten Witt
- 09/2022 ● **Examining adaptive control in patients with Parkinson's disease**
International Congress of Movement Disorders and Parkinson's Disease
• Poster presentation co-authored by Julia Ficke and Karsten Witt
- 07/2022 ● **Evidence of Neuroplastic Changes after Transcranial Magnetic, Electric, and Deep Brain Stimulation²**
Brain Sciences
• Journal article authored with Katharina Goeke, Maximilian Kiebs, Florian H Kasten, Christoph S Herrmann, Karsten Witt, and Rene Hurlemann



LINKS

- 1: <https://doi.org/10.1093/braincomms/fcad327>
- 2: <https://doi.org/10.3390/brainsci12070929>