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davidwisniewski.github.io

PhD in Cognitive Neuroscience. Data Scientist. Passionate about problem-solving and effective communication of data. Analyzing data using machine learning and AI for more than 17 years.

## PROFESSIONAL EXPERIENCE

11/2022 – today **Senior Data Scientist / Senior Policy Officer, German Federal Ministry for Economic Cooperation and Development, Berlin, Germany**

- Building AI applications for the public sector, e.g.
  - o LLM agentic chat systems
  - o RAG applications
- Teaching data and AI skills to public sector employees
- Supporting policymakers in data-driven decision-making
- Visualization, data storytelling and communication
- Project Management

05/2016 – 10/2022 **Cognitive Neuroscientist, Ghent University, Belgien**

- Applying machine learning algorithms to neuroimaging data
- Analysis of behavioral and survey data
- Experimental design
- International academic cooperation
- Teaching multivariate analysis of neuroimaging data
- Science communication

10/2008 – 04/2016 **PhD in Cognitive Neuroscience, Bernstein Center for Computational Neuroscience Berlin und Berlin School of Mind and Brain (Summa Cum Laude)**

## EDUCATION

10/2002 – 09/2008 **Studying Psychology, Humboldt University Berlin, Germany (Dipl.-Psych.)**

- Grade: 1.3 (Top 10%)
- Professional experience at Max-Planck-Institute for Human Development, Berlin

09/2006 – 03/2007 **Exchange at University of Glasgow, UK**

## AWARDS AND GRANTS

**2021 – 2022** Research Grant, Ghent University (200.000€)

**2019 – 2021** Research Grant, Research Foundation Flanders (40.000€)

**2017 – 2021** Research Grant, Marie-Skłodowska-Curie Programme of the European Union (160.000€)

**2010** Best Presentation Award at „Annual Conference of the Berlin School of Mind and Brain“

**2006 – 2007** ERASMUS Fellowship

## COMMUNICATION

### Data and AI Communication

**2022 – today** Presentation of complex analytical results and AI fundamentals to diverse, non-technical audiences  
Data translator

### Science Communication – Academia

**2013 – 2022** Publication of scientific papers in international journals [[link](#)]  
Participation international scientific conferences in Europe and the US  
Scientific Talks (e.g. at Princeton University, Cardiff University)

### Science Communication – Interested Public

**2020** Science Day, Ghent University [[link](#)]  
**2017** Falling Walls Lab, Brüssel [[link](#)]  
**2017** Science is Wonder-ful! Brüssel [[link](#)]

## SKILLS

### AI Application Development & Data Science

Agile software project management for AI-driven applications  
Collaborative software development (git)  
Governance and compliance for software in the public sector  
Visualization and interactive presentation of analytical results  
Statistical analysis of behavioral and neuroimaging data  
Machine Learning, with a focus on supervised learning and reinforcement learning

### User Research & UX

User-centered design for data- and AI-based applications  
User research methods, including interviews, surveys, and usability testing  
Translation of user needs into functional and technical requirements  
Iterative prototyping and evaluation of AI applications  
Clear communication of complex technical concepts to non-technical users

### Communication and Teaching

Written and oral communication with academic and professional audiences  
Preparation and presentation of complex data and analytical results for policymakers and the general public  
Design and delivery of training sessions and workshops on data science and AI  
Teaching data literacy and AI skills to diverse, non-technical audiences

### Languages

German (native), English (professional working proficiency), Polish (2<sup>nd</sup> native language), Dutch (basic knowledge)