

# Anneline Huck (PhD)

## Data Scientist

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Data Scientist Freelancer with a PhD in Neurolinguistics and 5 + years of industry experience. I worked in both cross-functional teams (6-8 members) and data-science teams (1-4 members).

My expertise is in all areas of data science, including MLOPs. Given my academic background in linguistics, I specialise in automated text processing, be it traditional natural language processing (NLP) or leveraging LLMs to build products.

### Education

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<b>City, University of London   PhD</b>	Grad Jan 2016
Neurolinguistics, Language and Communication Sciences	
London, UK	
No amendments	
<b>University of Potsdam   MSc</b>	Grad Jan 2010
European Master in Clinical Linguistics	
Potsdam, Germany	
Excellent (A)	
<b>University of Hamburg   MA</b>	Grad Jan 2008
English Studies, Linguistics, Psychology	
Hamburg, Germany	
With distinction	

### Relevant Skills

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Apache Airflow · AWS · AWS Sagemaker · Business Intelligence Tools · Cloud-based ML infrastructure · Data Platform (e.g. Snowflake, Google Cloud) · Databases · DBT · ETL/ELT Pipelines · Experimental design and multivariate testing · Gensim · ggplot · Git · Github · Google Cloud Platform · Jupyter Notebook · Looker · Matplotlib · NLP · NLTK · NumPy · Pandas · Periscope Data · PySpark · Python · PyTorch · R · Research and statistical analysis · RMarkdown · Scikit-Learn · SciPy · Seaborn · SpaCy · SQL · TensorFlow · Version Control Tools

### Employment

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<b>Data Science</b> · Freelance · Berlin, Deutschland	Sep 2025 - Present
· Currently involved in a project that automates text-mining and AI-assisted tools for research applications.	
<b>Maternity Leave</b> · (Personal) · Berlin, Deutschland	Sep 2022 - Jul 2025
· Maternity leave to look after my two daughters.	

**Senior Data Scientist** · FutureLearn · London, UK

Aug 2021 - Oct 2022

- Mentored junior members of the team (e.g. helped one employee to transition from the Insights team to the DS team, onboarded three employees providing support with technical skills, processes and guiding through projects and the DS roadmap)
- Used natural language processing (Python) for the optimisation of SEO (e.g. automatisation of keyword categorisation)
- Development of recommendation engine to suggest new courses to users (Built two versions: 1. for engaged users, leveraging user-course interactions like enrolments, purchases and page views; 2. for less engaged users leveraging information of users based on personal questions on sign-up)
- Built time-series forecasting models: arima, exponential smoothing, Prophet (Python)
- Designed, implemented machine learning models (e.g. regression, classification) and productionised them (e.g. AWS, Sagemaker, Google Cloud Platform)
- Developed data science best practices and guidelines
- Won Future Stars of Tech Awards:  
<https://www.futurelearn.com/info/press-releases/futurelearn-data-scientist-honoured-at-future-stars-of-tech-awards>

**Data Scientist** · FutureLearn · London, UK

Jun 2017 - Aug 2021

- Generated insights from data that directly impacted product development and/or increase conversion
- Developed and deployed machine learning models in Python ( e.g. linear/logistic regression, classification, decision trees, Random Forest, XGBoost), achieving up to 15% improvement in prediction accuracy for key business metrics.
- Defined, analysed and monitored new key success measures such as average lifetime value (built in SQL)
- Delivered workshops in Databases and PostgreSQL for other employees (with excellent feedback on communication and teaching skills)
- Consulted teams with design and analysis of A/B tests (developed an A/B testing design flowchart for product teams in collaboration with product designer)
- Worked within cross-functional teams as data advisor

**Research Assistant, Psychology** · City, University of London · London, UK

Nov 2015 - Apr 2016

- Preparation of data collection and recruitment of study participants
- Administration of lab-based experiments on audio-visual speech comprehension using MATLAB
- Troubleshooting and problem solving during lab work

**PhD Research, Language and Communication Science** · City, University of London · London, UK

Oct 2011 - Feb 2016

- Investigating reading and sentence processing in a group of people who have aphasia, a language impairment common after stroke (compared to neurologically healthy individuals)
- Programming eye-tracking experiments with Experiment Builder
- Writing scripts for data visualisation and statistical analysis (mixed linear models) using R
- Implementation of online surveys using tools such as Survey Monkey and SoSci Survey
- Writing scientific articles for publication

**Research Assistant, Language and Communication Science** · City, University of London · London, UK

Nov 2014 - Apr 2016

- Coding and data analysis of gestures and intonation patterns in spontaneous speech samples by people with aphasia using R
- Administration of a new diagnostic tool to assess language and cognition for people with aphasia and neurologically healthy controls
- Collaborating on publications