Dominik Freunberger Ph.D.

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📍 Stockholm

Skills

- **R** tidyverse, datatable, tidymodels, caret, keras, tensorflow, ggplot, shiny, stringr, purr, etc.
- **Python** numpy, pandas, scikitlearn, matplotlib, seaborn, keras, tensorflow, nltk, spacy, etc.
- Matlab, Git, SQL
- Data preparation and visualisation, hypothesis testing, regression, classification, clustering, time series, NLP
- German, English, Swedish
- Excellent spoken and written presentation skills, high motivation to present complex ideas to a general audience
- Collaborative and caring team player, creative critical thinker with high ethical standards

Education

- **PhD in Linguistics (2017)**

  University of Salzburg, Austria, with stays at the University of Edinburgh, UK

- **MSc in Psycholinguistics (2011)**

  University of Salzburg, Austria

- **BSc in Linguistics (2009)**

  University of Salzburg, Austria

Researcher at the intersection of linguistics and cognitive neuroscience. 10+ years of experience in handling, analysing, and visualising large amounts of data. Driven to explore and eager to learn. Looking for a data science position in which I can continue to grow my skillset.

🏛️ Recent Experience

Data Science Fellow

Science to Data Science / London (virtual) / August 2021

- Assessed the usefulness of social media data to understand changes in people's behaviours and attitudes towards food-related topics
- Distilled main trends from the data using NLP and machine learning methods on AWS
- Successfully delivered a proof-of-concept that social media listening can be reliably used to observe consumer behaviours in almost real-time
- Communicated insights to a diverse audience using story telling and visualisations

Postdoctoral Researcher

Stockholm University / Stockholm / 2018 - 2021

- Designed and managed large-scale experiments on second language processing and representation in the brain
- Published an article in the top journal in the field
- Designed and implemented an R pipeline to process, analyse, and visualise electrical brain activation and behavioural data
- Organised and chaired regular lab meetings

Postdoctoral Researcher

BIFIE (now IQS) Austria / Salzburg / 2017 - 2018

- Designed, developed, and validated a UX-supported language assessment and training tool for children, in close collaboration with highly heterogeneous stakeholders, which is now used by thousands of teachers in Austria

📖 Selected Publications

- Freunberger, D., Bylund, E., & Abrahamsson, N. (2021). Is It Time to Reconsider the 'Gold Standard' for Nativelikeness in ERP Studies on Grammatical Processing in a Second Language? A Critical Assessment Based on Qualitative Individual Differences. *Applied Linguistics.*
- Freunberger, D., & Roehm, D. (2017). The costs of being certain: Brain potential evidence for linguistic pre-activation in sentence processing. *Psychophysiology, 54,* 824–832.
- Freunberger, D., & Nieuwland, M. S. (2016). Incremental comprehension of spoken quantifier sentences: Evidence from brain potentials. *Brain Research, 1646,* 475–481.