

DOMINIK FREUNBERGER

Data Scientist &
Linguist

PROFILE

I am a data scientist with a background in linguistics and vast experience in cognitive neuroscience, a curious learner with a drive to tell stories with data.

CONTACT



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<https://dmnkr.netlify.app/>



Stockholm, Sweden

HUMAN LANGUAGES

German	<div><div></div></div>
English	<div><div></div></div>
Swedish	<div><div></div></div>
French	<div><div></div></div>

COMPUTER LANGUAGES

R	<div><div></div></div>
Python	<div><div></div></div>
SQL	<div><div></div></div>
Matlab	<div><div></div></div>

OTHER

- Experimental design, hypothesis testing, data visualisation
- Mixed multiple linear and logistic regression, generalised additive mixed models, time series
- Data cleansing and preparation
- Git version control
- Excellent communication skills in speaking and writing
- High motivation to present complex ideas to a general audience
- Collaborative and caring team player
- Creative critical thinker with high ethical standards

EXPERIENCE

Data Science Fellow

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

Using NLP and machine learning methods, we successfully delivered a proof-of-concept that social media listening can be reliably used to observe consumer behaviours in almost real-time, which can be of great value to the client when responding to rapidly changing events.

Postdoctoral Researcher

Stockholm University / Stockholm / 2018 - 2021

Conceptualisation, design, implementation, conduction, analysis, and write-up of a large-scale combined behavioural and neuroimaging experiment on second language processing and representation in the brain.

Postdoctoral Researcher

BIFIE Austria / Salzburg / 2017 - 2018

Scientific backbone of a nation-wide UX-based language assessment and training tool for preschool and primary school kids.

Lecturer

University of Salzburg / Salzburg / 2016 - 2017

Teaching undergraduate and graduate courses on experimental methods in linguistics and on the neurolinguistic foundations of second language acquisition.

Doctoral Researcher

University of Salzburg / Salzburg / 2011 - 2015

Conceptualisation, design, implementation, conduction, analysis, and write-up of a number of electrophysiological and behavioural experiments on semantic sentence processing in a first and second language.

EDUCATION

PhD in Linguistics

University of Salzburg
Salzburg / 2011 - 2017

Research on electrophysiological correlates of linguistic prediction in language comprehension.

MSc in Linguistics

University of Salzburg
Salzburg / 2009 - 2011

BSc in Linguistics

University of Salzburg
Salzburg / 2006 - 2009

SELECTED PUBLICATIONS

Freunberger, D., Bylund, E., & Abrahamsson, N. (In press). Is it time to reconsider the 'gold standard' paradigm in ERP studies on grammatical processing in a second language? A critical assessment based on qualitative individual differences. To appear in *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., & Roehm, D. (2016). Semantic prediction in language comprehension: Evidence from brain potentials. *Language, Cognition and Neuroscience*, 31, 1193–1205.