



ABOUT

I am a data scientist specializing in psychometrics, psycholinguistics, and modeling subjectivity. My passion is revealing and understanding heterogeneity. That translates into various unsupervised machine learning and natural language processing applications like latent profile analysis, latent class analysis, psychological profiles with psychometric networks, semantic networks, concept class analysis.

SKILLS

Data Science

Proficient with

 pandas, numpy, scikit-learn, matplotlib, seaborn
 tidyverse, tidymodels, tidyflow, easystats, lavaan (& its ecosystem), psychometric networks (collection of packages), quanteda (& its ecosystem), spacy

Familiar with

Tensorflow-Keras, pytorch, prophet

Programming

Proficient with

Git, Bash

Databases

Familiar with

Postgres, SQLite, MongoDB

Deployment

Familiar with

AWS (EC2, RDS), Docker, Flask

EDUCATION

2021	Data Science Bootcamp Spiced Academy , Berlin, Germany
2015 - 2018	Ph.D. in Political Science CvO Universität Oldenburg , Oldenburg, Germany
2008 - 2012	M.A. in Political Science Bilkent University , Ankara, Turkey
2005 - 2008	M.A. in International Relations Galatasaray University , Istanbul, Turkey

SELECTED PROJECTS

Measuring Organizational Practices

 Natural language processing

Movie Recommender


 Unsupervised machine learning

Image Classification with Deep Learning

 Deep learning

Dockerized Data Pipeline

 Involves: MongoDB, ETL job (sentiment analysis), Postgres & Slackbot

RELEVANT WORK EXPERIENCE

02-11/2020

Postdoctoral Fellow

[Jacobs University](#), Bremen, Germany

- Worked as the lead data analyst in a third-party funded project ([Business Finland](#) & [Hofstede Insights](#))
- Developed a dictionary that measures organizational culture with [Hofstede's Multi-Focus Model](#)
- Used the R tidy ecosystem; the quanteda ecosystem (including spacyr), rJST, tidytext, sentimentr & the easystats ecosystem

Since 02/2019

Affiliated Postdoctoral Fellow

[Bremen International School of Social Sciences](#), Bremen, Germany

- Conducting research, publishing academic papers, teaching methods classes

01/2019 - 02/2020

(Interim-) Academic Coordinator

[CvO Universität Oldenburg](#), Oldenburg, Germany

- Developed/updated the research methods curriculum by adding new quantitative & qualitative techniques and inviting experts to teach them
- Taught quantitative methods classes and academic writing
- Coordinated everything academic (receiving, entering grades, preparing diplomas) in a consortium composed of four European and three African universities

07/2012 - 07/2018

Research Assistant Lecturer

[CvO Universität Oldenburg](#), Oldenburg, Germany

- Taught seminars on political psychology, national identity, populism, prejudice, and academic writing
- Conducted research; published academic papers

LANGUAGES

Turkish (Native), English (Proficient), German (Intermediate)