

## 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

2+ years 🐼 : pandas, numpy, scikit-learn, matplotlib, seaborn

7+ years 🐼 : tidyverse, tidymodels, tidyflow, easystats, lavaan (& its ecosystem), psychometric networks (collection of packages), quanteda (& its ecosystem), spacy

**Since 2021** Tensorflow-Keras, pytorch, prophet

### Programming

**Since 2021** Git, Bash

### Databases

**Since 2021** Postgres, SQLite, MongoDB

### Deployment

**Since 2021** AWS (EC2, RDS), Docker, Flask

### Machine Learning

Regression, classification, time series, natural language processing

## EDUCATION

2021	<b>Data Science Bootcamp</b> <a href="#">Spiced Academy</a> , Berlin, Germany
2015 - 2018	<b>Ph.D. in Political Science</b> <a href="#">CvO Universität Oldenburg</a> , Oldenburg, Germany
2008 - 2012	<b>M.A. in Political Science</b> <a href="#">Bilkent University</a> , Ankara, Turkey
2005 - 2008	<b>M.A. in International Relations</b> <a href="#">Galatasaray University</a> , 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)