



## 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 (and its ecosystem), psychometric networks (collection of packages), quanteda, 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	<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
1999 - 2004	<b>B.A. in International Relations</b> <a href="#">Istanbul Bilgi 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](#)) developing 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

07/2012 - 07/2018

### Research Assistant Lecturer

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

## LANGUAGES

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