

# M. Murat Ardag

Citizenship: Cypriot (EU), British Overseas & Turkish  
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## ABOUT

I am a data scientist and a political psychologist. I specialize in psychometrics, psycholinguistics, cross-cultural research, and modeling subjectivity. My work almost always involves machine & deep learning, natural language processing, the general structural equation modeling framework, psychometric networks & social network analysis.

## SKILLS

### Data Science

Proficient with

Python: pandas, numpy, scikit-learn, matplotlib, seaborn

R: tidverse, tidymodels, tidyflow, easystats, lavaan (and its ecosystem), psychometric networks (collection of packages), quanteda, spacy

Familiar with:

Tensorflow-Keras, pytorch, prophet

### Other

Proficient with

Git, Bash

Familiar with:

Postgres, MongoDB, AWS (EC2, RDS), Docker, Flask

## EDUCATION

### Data Science Bootcamp

Jan 2021 - Apr 2021 | Berlin, Germany

### Ph.D. in Political Science

Sep 2015 - Jun 2018 | CvO Universität Oldenburg, Oldenburg, Germany

### M.A. in Political Science

Oct 2008 - May 2012 | Bilkent University, Ankara, Turkey

### M.A. in International Relations.

Oct 2005 - Feb 2008 | Galatasaray University, Istanbul, Turkey

### B.A. in International Relations

Oct 1999 - Nov 2004 | Istanbul Bilgi University, Istanbul, Turkey

## SELECTED PROJECTS

### Measuring Organizational Practices [\[GitHub Repo\]](#)

Natural language processing

### Movie Recommender [\[GitHub Repo\]](#)

Unsupervised machine learning

### Image Classification with Deep Learning [\[GitHub Repo\]](#)

Deep learning

### Dockerized Data Pipeline [\[GitHub Repo\]](#)

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

## RELEVANT WORK EXPERIENCE

### Jacobs University | Postdoctoral Fellow

Feb 2020 - Nov 2020 | 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](#)
  - using the R tidy ecosystem; the quanteda ecosystem (including spacyr), rJST & the easystats ecosystem

### Bremen International School of Social Sciences |

Affiliated Postdoctoral Fellow

Since Feb 2019 | Bremen, Germany

- Conducting research, publishing academic papers, teaching methods classes

### CvO Universität Oldenburg | (Interim-) Academic

Coordinator

Jan 2019 – Feb 2020 | Oldenburg, Germany

### CvO Universität Oldenburg | Research Assistant

Lecturer

Jul 2015 – Jul 2018 | Oldenburg, Germany

## LANGUAGES

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