

M. Murat Ardag

Citizenship: Cypriot (EU), British Overseas & Turkish
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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

Other

Proficient with

Git, Bash

Familiar with

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

EDUCATION

2021 **Data Science Bootcamp**
[Spiced Academy](#), Berlin, Germany

2015 - **Ph.D. in Political Science**
2018 [CvO Universität Oldenburg](#), Oldenburg, Germany

2008 - **M.A. in Political Science**
2012 [Bilkent University](#), Ankara, Turkey

2005 - **M.A. in International Relations**
2008 [Galatasaray University](#), Istanbul, Turkey

1999-2004 **B.A. in International Relations**
[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

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](#)

- Conducting research, publishing academic papers, teaching methods classes

01/2019 -

02/2020

(Interim-) Academic Coordinator

[CvO Universität Oldenburg](#)

07/2012 -

07/2018

Research Assistant Lecturer

[CvO Universität Oldenburg](#)

LANGUAGES

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