# 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, SQLite, MongoDB, AWS (EC2, RDS), Docker, Flask

## EDUCATION

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| 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 |
| 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

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| 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

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| Since 02/2019 | ***Affiliated Postdoctoral Fellow*** Bremen International School of Social Sciences |

- Conducting research, publishing academic papers, teaching methods classes

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| 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)