M. Murat Ardag

Citizenship: Cypriot (EU), British Overseas & Turkish
https://mmuratardag.github.io | mma@mmuratardag.net

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, tidytext, sentimentr & 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)