ALEXANDER CAPPELEN

Sociology | Social Data Science | cand.scient.soc

EXPERIENCE

Head of Section, Population & Education
Statistics Denmark

📅 July 2024 -　　　📍 Copenhagen

- Contributing to development of Teacher-Student Register (press here for more info)
- Yearly production of educational statistics, including Highest Education Attained and Immigrants' Educational Background
- Analysis of high-frequency micro-data from child care attendance registration

Teaching Assistant
Department of Social Data Science, University of Copenhagen

📅 January 2023 – December 2023　　　📍 Copenhagen

- Teaching methods of social data science, digital methods, and providing guidance in student projects
- Teaching machine learning, network analysis, and causal inference, including application with Python

Student Assistant
Department of Sociology, University of Copenhagen

📅 April 2022 – September 2022　　　📍 Copenhagen

- Contributed in developing survey and gathering contact information for survey participants
- Collected data on book loans from public libraries in Denmark through an API using Python

Student Assistant
Department of Economics, Copenhagen Business School

📅 November 2020 – October 2021

- Reviewing data and code for errors
- Aiding in litterature review for researchers

RELEVANT COURSES

Thesis: Parlarchy in the UK
Department of Sociology

📅 Fall 2023

- GIS, mapping data, and spatial panel regression
- Analysis of behavioral data from social media
- Conceptualising far right social movements on alternative social media

S&DS 565: Introductory Machine Learning
Department of Statistics and Data Science, Yale University

📅 Fall 2022

CONTACT

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IT

R	●●●●●
Python	●●●●○
LaTeX	●●●○○
STATA	●●○○○
HTML & CSS	●●○○○
SQL	●●○○○
SAS	●○○○○

LANGUAGES

Danish	●●●●●
English	●●●●●

EDUCATION

M.Sc. in Sociology
University of Copenhagen

📅 Sept 2021 – January 2024

Exchange student
Yale University

📅 Sept 2022 – December 2022

B.Sc. in Sociology
University of Copenhagen

📅 Sept 2018 – June 2021

B.Sc. in Technoanthropology (not finished)
University of Aalborg

📅 Sept 2017 – June 2018 (dropped out)

- Supervised learning, unsupervised learning, linear regression, classification, stochastic gradient descent, cross validation, tree-based methods, topic models, language models, word embeddings, Bayesian inference, neural networks
- `pandas` , `numpy` , `matplotlib` , `tensorflow` , `scikit-learn` , `seaborn` , Jupyter Notebook

S&DS: Data Science for Political Campaigns
Department of Statistics and Data Science, Yale University

📅 Fall 2022

- Modelling of voter behavior, evaluating campaigns, voter experiments
- `pandas` , `numpy` , `matplotlib` , Jupyter Notebook

Independent study
Department of Sociology, Yale University

📅 Fall 2022

- Writing (short) paper intended for publication in collaboration with an adviser
- Analysing and mapping data from social media using R

Econometrics I
Department of Economics, University of Copenhagen

📅 Fall 2020

- Causal inference, regression analysis, natural experiments, time series, DiD

The Logic of Design-Based Research
Department of Sociology, University of Copenhagen

📅 Fall 2021

- Causal inference, IV, DiD, regression discontinuity, experiments & natural experiments
- Counterfactual model of causality

Advanced Knowledge, Organization, Politics
Department of Sociology, University of Copenhagen

📅 Fall 2021

- Applying social network analysis of Danish politics on Twitter for final paper

AWARDS

Award for Best Bachelor's Thesis 2022 from the Society for Survey Research

📅 Spring 2022

- Press here for more info about the award and the Society for Survey Research