# ALEXANDER CAPPELEN

**Sociology | Social Data Science | cand.scient.soc**

## EXPERIENCE

### 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

- 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

## CONTACT

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○ alexpcapp

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## IT

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|---|---|
| **R** | ●●●●● |
| **Python** | ●●●●○ |
| **LaTeX** | ●●●●○ |
| **STATA** | ●●●○○ |
| **HTML & CSS** | ●●○○○ |
| **SQL** | ●○○○○ |

## LANGUAGES

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|---|---|
| **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)

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

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## 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

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## Econometrics I

**Department of Economics, University of Copenhagen**

📅 Fall 2020

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

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## 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

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## 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 ME

For almost two decades, I have spent a lot of my time playing volleyball and beachvolleyball, at one point on the highest level in Denmark. I still play multiple times a week, although at a more casual level now. Besides many friendships and great experiences, I believe my background in team sports have contributed greatly to my ability to productively cooperate with others - handle criticism well, take responsibility, be accountable, and participate productively in teamwork.

When I am not spending time on sports, I enjoy making use of Copenhagen for both cultural experiences, food, and drinks. Especially in the summer, I take pleasure in the parks, swimming in the canals, and generally being out and about in the city with friends and family.