SOCIAL DATA SCIENCE 2020 (SDSPhD20)

CHECK-IN I, Nov. 4th 2020

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SCHEDULE FOR THE CHECK-IN

- 13.00-13.10: Welcome to the course and instructor introductions
- 13:10-13:35: About the PhD course: Main objectives, teaching formats and mandatory preparations
- 13:35-13:45: Questions
- 13:45-13:50: Break
- 13:50-14:20: [In breakout] Instructor discussions: What are your research interests and what do you hope to take away from the course?
- 14:20-14:30: Questions

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MEET THE INSTRUCTORS

Associate Professor Daniel Hain
Aalborg University Business School

Associate Professor Roman Jurowetzki
Aalborg University Business School

Assistant Professor Rolf Lyneborg Lund
Department of Sociology and Social Work, Aalborg University

Special Consultant Thomas Arildsen
CLAAUDIA, Aalborg University

Special Consultant Tobias Jensen
CLAAUDIA, Aalborg University

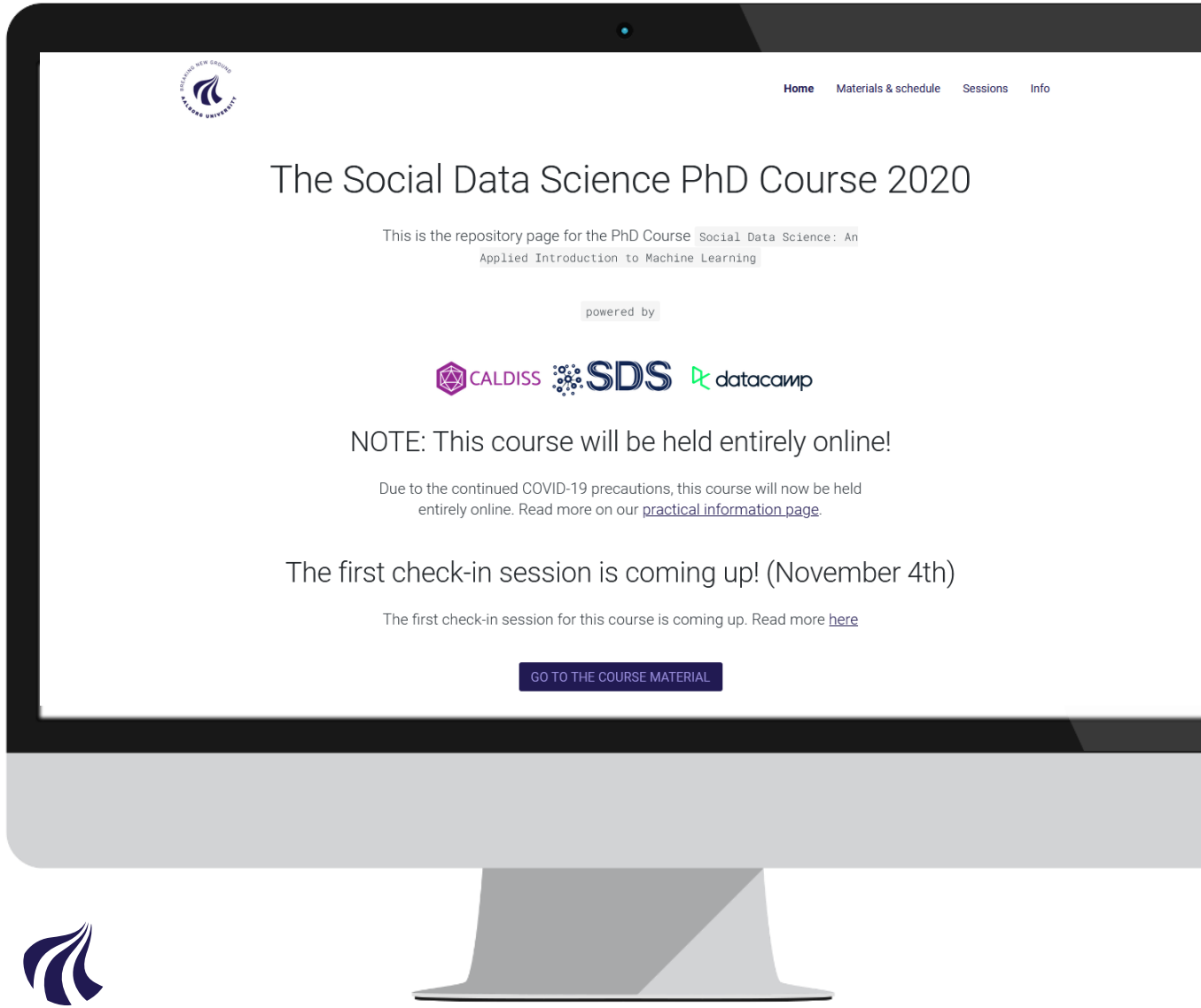
Professor Thomas B. Moeslund
Department of Architecture, Design and Media Technology, Aalborg University

Kristian Gade Kjelmann
General manager of CALDISS, Aalborg University

COURSE WEBSITE

https://caldiss-aau.github.io/sdsphd20/

- Contains all relevant information about the course (schedule, prerequisites, mandatory preparations)
- Main repo for the course with all course materials
- Will be updated continuously



MAIN OBJECTIVES OF THE COURSE

- Knowledge and understanding of key data science concepts
- Competencies in concrete data science methods including data handling, visualization and use of machine learning algorithms
- Skills in applying data science methods with Python
- Competencies in working with a variety of data formats (structured, relational, textual)

In short the course aims at introducing a variety of key data science methods and providing you with the skills to apply various data science techniques relevant within the fields of social sciences and humanities

TEACHING FORMAT

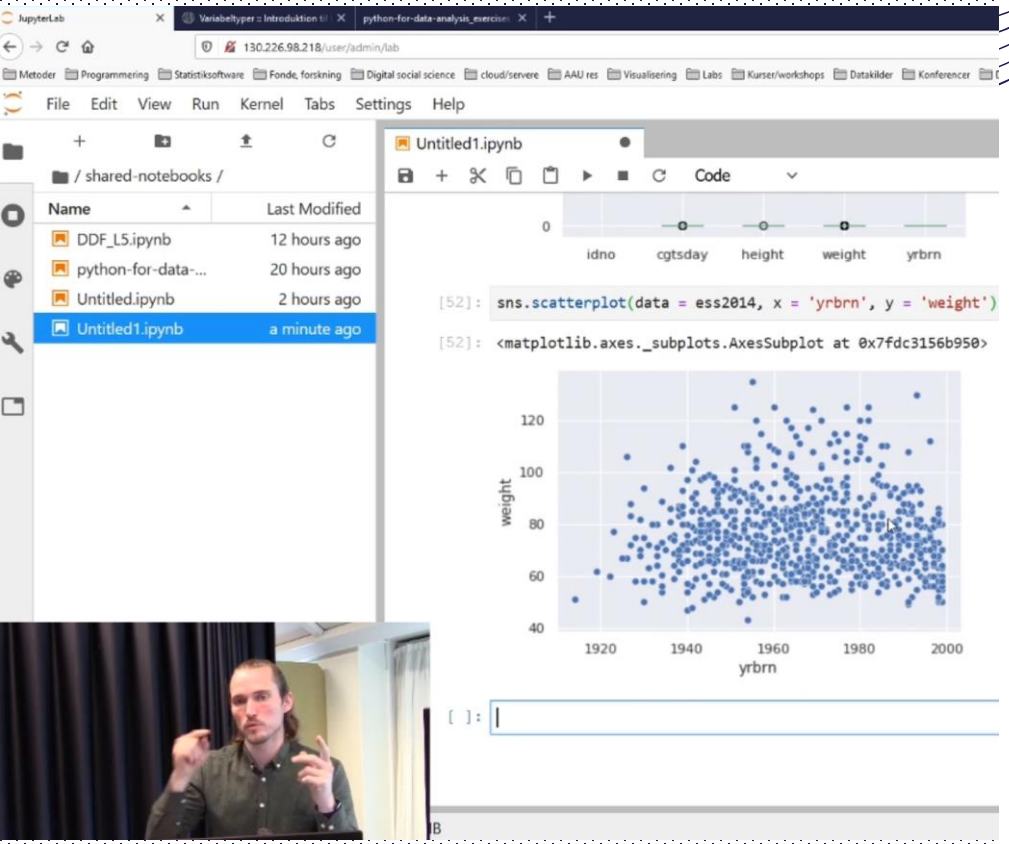
LIVE CODING

- Teaching consists of ”live coding” sessions
- The instructors will explain the use of methods and tools as they are writing the code for it
- Interactive notebooks are used instead of slides, enabling you to code along and try out the code for yourself

PORTFOLIO

- Each day you are given one or several exercises to be solved
- Your solutions for the exercise is to be compiled in a portoflio to be handed in *no later than two weeks after the course (December 11th)*
- Handing in a portfolio is required to complete the course

THE ONLINE FORMAT



- The entire course will be held online via Zoom
- You will receive invitations to the individual sessions. Info will also be available at the course site
- Live-coding session via screen-sharing (use dual-monitor setup, if possible!)
- Exercise-work in breakouts to discuss with fellow participants

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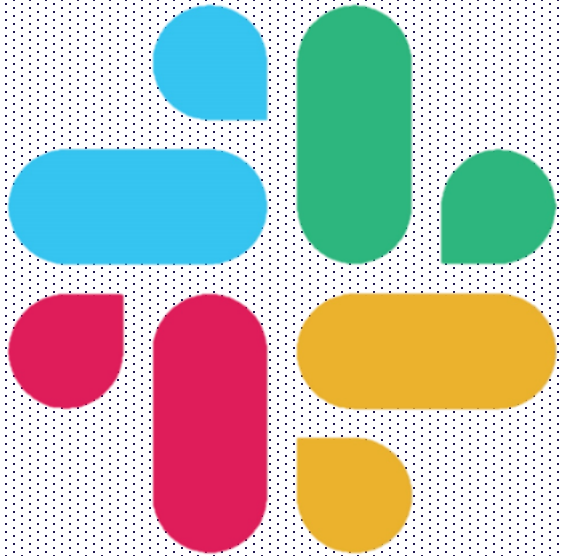
ONLINE FORUM (SLACK)

- Link to workspace: https://join.slack.com/t/adm-zys2835/shared_invite/zt-ivd8ck5g-a~U4uq19wFs3Ji12~sSzHw
- Forum to post questions about Python, the e-course material and the sessions as well as a general forum for discussion
- You will receive invite after this check-in (your registration e-mail)
- Free and easy to use
- You will be prompted for creating a user when joining the workspace



PREREQUISITES

- Access to a computer (obviously)
- Access to a Python installation – preferably with Jupyter Notebooks
- We recommend using Google Colab for the course – only requires a Google account
- All notebooks from the sessions will be shared via Google Colab
- If you prefer local installation, we recommend installing Anaconda

MANDATORY PREPARATION (DATACAMP E-COURSES)

- To properly prepare you for the course, we have assigned you approx. 14 hours of e-course material provided by DataCamp
- The point of the e-course material is for you to get acquianted with Python programming and easing into working with a programming language for analysis
- The list of courses to complete can be found here (on the course site)
- You should already have received an invite to DataCamp with the courses assigned
- We will follow-up on your progress on Nov. 16 (check-in II). Use Slack until then for questions


QUESTIONS?


BREAK

INSTRUCTOR DISCUSSIONS

- In the breakout, share and discuss with fellow participants and a course instructor your research interests and ambitions with this course

- What do you hope to gain from this course?
- How do you expect to use these methods?

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QUESTIONS?

NEXT CHECK-IN

- Next check-in is on:
  November 16th from 13.00-14.30

- Here we will check your progress with the e-course material

- You will receive an invite to the next check-in via your registration e-mail