

Social Data Science

Department of Economics, Faculty of Social Sciences
University of Copenhagen

Fall 2015

Lecturers

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Teaching assistant
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Welcome!

always bring computer!

<http://sebastianbarfort.github.io/sds/>
+ Absalon homepage

Today

1. New course: Why and (so) What?
2. Who are we — and you?
3. Logistics and Plumbing
R, Absalon vs. Github, groups, assignments, exam
project and exam, course evaluation, Q&As
4. Course culture and ethics
5. Reading list and Lecture plan
6. The next couple of weeks

New course

- Background: Why Social Data Science
 - Big Data / Deep Data / New Data
 - Social Fabric / Taking Data Science Back
- Econ: Not Econometrics, not standard Methods
- Prerequisites: Interest, willingness to program, will refer to regression models occasionally
- New course - hard to know time table

Some topics

We will present a social science view on data science methods needed for **collecting** and **analyzing real-world data**. Focus points: **generating new data** (collecting, scraping, working with APIs), **data manipulation tools** (transforming, cleaning), **visualization tools** (visualizing raw data and model results), **reproducibility tools** (git, github), an introduction to statistical techniques for predicting and classification, known as **statistical learning**

Meta and non-meta: What is data, types of data & types of questions, ethics, privacy, costs and benefits of data driven research / big data

Who are we — and you?

- We are: Sebastian, David and Kristoffer + guest lecturers
- Who are you? 8 Q survey now!

<https://sebastianbarfort.typeform.com/to/xsjlLr>

Logistics and Plumbing I

- We meet every Monday (tech stuff), every second Thursday in odd weeks (sometimes tech stuff, sometimes topics)
- Bring computer - R!
- Absalon vs. Github

Logistics and Plumbing II

- Groups - already made. Details at Github.
- Mandatory assignments
- Exam project and oral exam
- Course evaluation - formal and informal
- Discussion forum - Absalon

Course culture and ethics

- Philosophy: Open source, everyone contributes
- Help each other: within groups, across groups
 - Discussion forum
- But don't free ride :-) Only fun if y'all pitch in
- Share, but don't copy (really, don't)

Reading list / Lecture plan

- Prelim reading list at Github
 - New and fast moving topic - no textbook
 - Chapters (at Absalon), links to papers, blogs (UCPH domain)
- Lecture plan
 - We don't know pace yet
 - Guest lectures

Contact points

- For most questions, try Absalon discussion forum
- Ask in-class
- Sebastian office hours: Wednesdays 12-14
- In rare cases: email
- Don't call us (and we won't call you)

The next couple of weeks