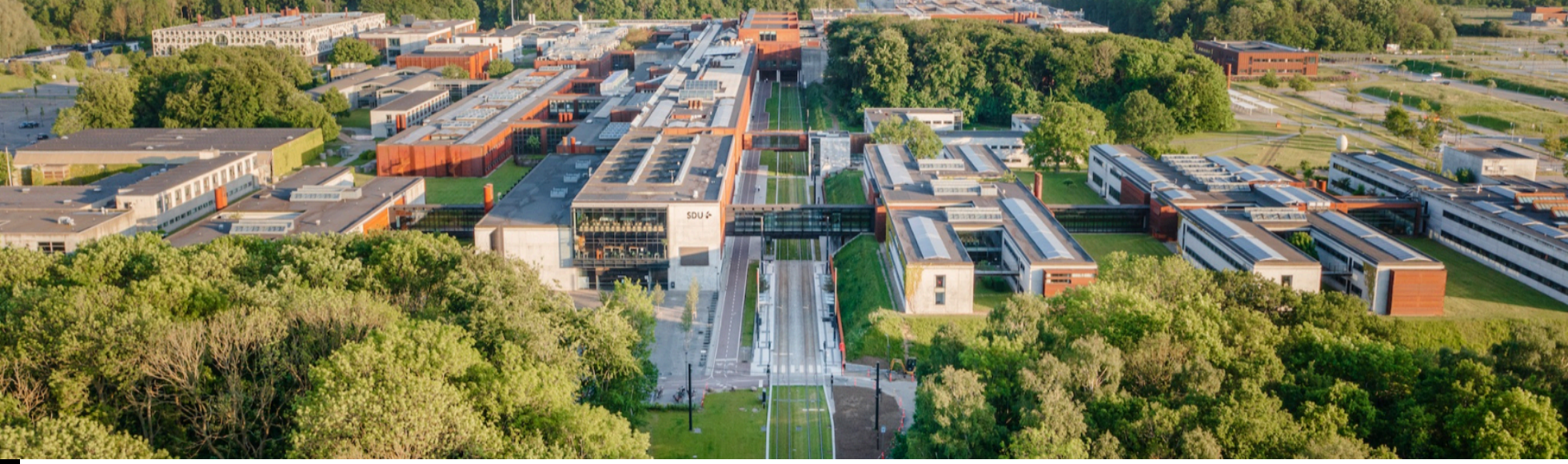


Brush-Up Maths for Data Science (2025)

Intro Slides, Aug. 16th

Nicklas S. Andersen

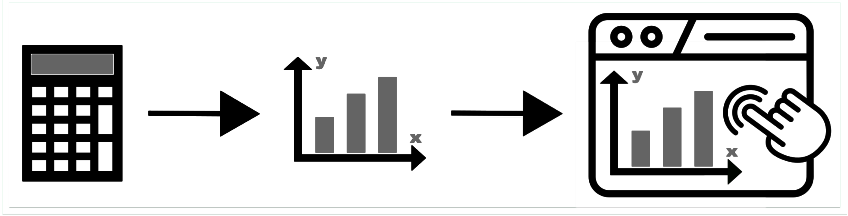
University of Southern Denmark (SDU)
Department of Mathematics & Computer Science (IMADA)

Course Introduction

- Teacher

Who am I?

- Nicklas S. Andersen
- Background in
  - Applied maths
  - Computer science
- Post-doc at the Centre for Visual Data Science



The overarching theme of the projects I'm involved in:

- We work with users that perform specific tasks
- We design and develop tools to support them

Requires applying methodologies from:

- Data science
- Software engineering

Course Introduction

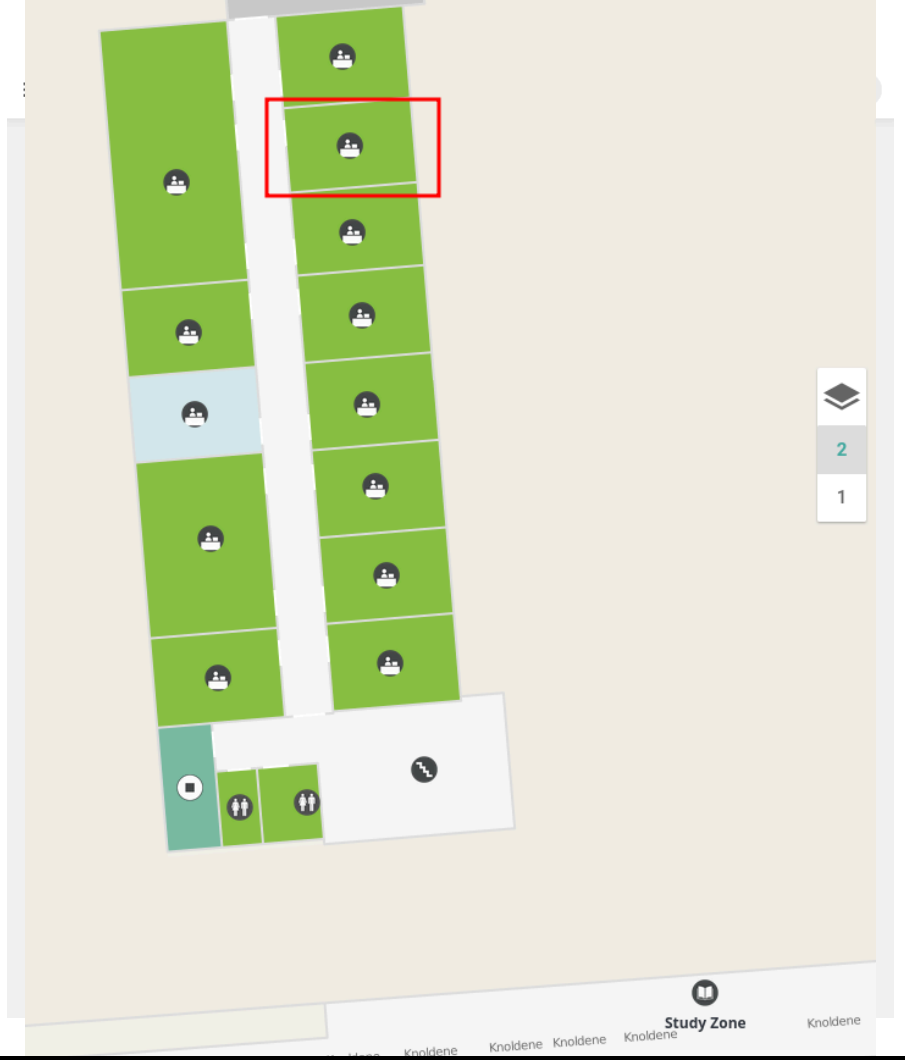
- Contact Information

Online:

- E-mail: sindlev@imada.sdu.dk
- Direct messaging: itslearning

In person:

- Odense office: Ø18-512a-2



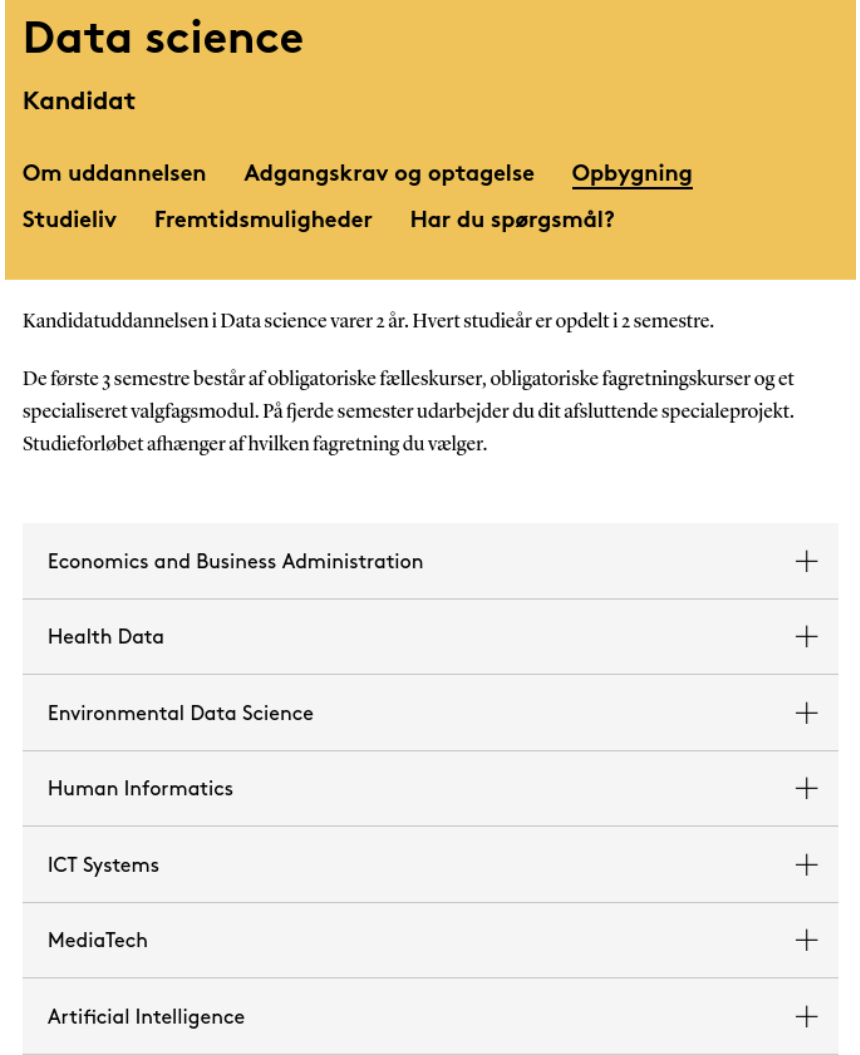
Course Introduction

- Students

Who are you?

- Data science
- +100 Students
- Wide variety of specializations
- Variety of different backgrounds

⇝ Huge diversity



Maths Brush-Up Course

- Content & Structure

Topics:

- Set Theory
- Basic Algebra
- Calculus:
  - Functions & Graphs
  - Equation Solving
- Mathematical Logic
- Probablity & Statistics
- Linear Algebra

The course will follow the overall structured loop:

1. Lecturing
2. Exercises
3. Solutions to exercises
4. Break

Any questions?