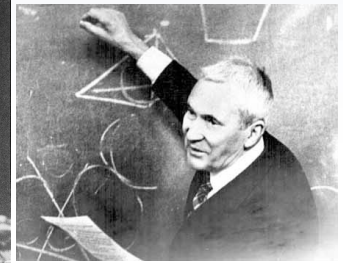
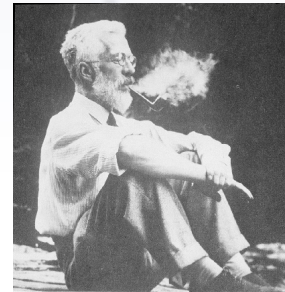
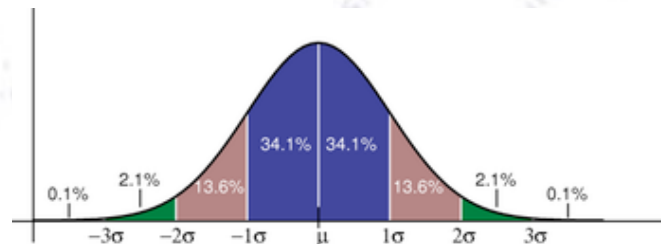


# Applied ML

## Final Project Presentations & Schedule



Troels C. Petersen (NBI)



*"Statistics is merely a quantisation of common sense - Machine Learning is a sharpening of it!"*

# Your presentations

**Each presentation is allotted 15 minutes, sharp!**

In order to use this time best, please do one or more rehearsals, and also use these for “sharpening” your slides. You should try to share, who gives the presentation, and the full group should be present for questions.

Make sure that you introduce the problem and the associated data/rules. Also describe your process, discuss your choice of methods, and recount your problems/optimisation/CPU-usage/etc. And then state your results!

The final projects will be evaluated based on the following criteria:

- Complexity of problem and depth of solution (incl. appendix)
- Choice of methods and arguments behind
- ML performance and own evaluation of it
- Clarity of presentation
- Implementation, technical details, optimisation, etc. (your appendix)
- Ability to evaluate ML usage (your evaluations of other presentations)

# Your presentations

**Each presentation is allotted 15 minutes, sharp!**

Your **slides, statement, and zipped code** should be uploaded to [eksamen.ku.dk](https://eksamen.ku.dk) by Tuesday 22:00 (please name it “FinalProject\_GroupMembersFirstNames.pdf”), and I will then put your slides on the course webpage, for all to see. It is OK, if you do (minor) updates in your presentation, for the actual exam. Please send me your latest version to me in PDF before presenting.

Remember to divide your slides into two parts:

- Presentation, which is what you will present during you 15 minutes.
- Appendix, which documents your work.

I **will start 9:00** with a short introduction. There will also be a Zoom link for external participation. We will **not** record your presentations, but base our evaluation on your presentation and your slides **including appendix**.

You will all be asked to evaluate each others projects, as a part of the course. These evaluations will **not** be used for our grading of the projects.



# Your presentations

A few things to consider to make your presentation clear (read: understandable) to the audience could be:

- Make sure you present the **context, motivation, and goal** of the project.
- **Present the data in detail:** Amount, features, relations, labels, etc.
- Possibly give an **overview of methods** used, for audience to have an outline.
- **Recount the challenges** (for all to learn!) and how you dealt with them.
- **Show/compare performance clearly**, and discuss from these.
- Summarise your project in a **few clear sentences and numbers**.

Regarding attendance and your evaluation of the other project:

We strongly urge you to attend as much as you can (for your own learning).

However, all projects will be posted ahead of the exam on the course webpage:

*Thus, you can evaluate all the projects from anywhere at anytime until Thursday night.*

The link to use for your evaluations is:

[Wednesday final project student evaluations](#)

[Thursday final project student evaluations](#)

# Wednesday

## Wednesday's program June 14th, 2023

Start:	Group members names	Project name/topic:
09:00:00 AM	Troels	Short introduction
09:15:00 AM	Jie, Mads, David, Panagiotis	Metagenomic binning
09:35:00 AM	Clotilde, Frederikke, Kathrine, Sophia	Applying Machine Learning on Simulations of the Milky Way
09:55:00 AM	Sebastian, Malte, Philip, Casper	Beat the bookmakers
10:15:00 AM	Break (30')	
10:45:00 AM	Christian, Jakob, Jonathan, Rasmus , Sune	Hyperparameters tuning techniques
11:05:00 AM	Fabrizio, Omar, Riz, Thomas	Pokemon PixelArt
11:25:00 AM	Malthe, Birk, Jakob	Identifying Bird Calls
11:45:00 AM	Lunch break 1h	
12:45:00 PM	André, Asger, Christian, Puk	Ocean's surface temperature
01:05:00 PM	Emilie, Ludvig, Michelle, Morten	translating the ASL alphabet to text using CNNs
01:25:00 PM	Arnulf, Athene, Oliver, Rune	Disentagling Spin Qubit Measurement Data
01:45:00 PM	Break (30')	
02:15:00 PM	Brage, Magnus, Marcus, Rune	Fake News Detection
02:35:00 PM	Long, Malou, Sina, Weiyuan	Kaggle face detection
02:55:00 PM	Alice, Erlend, Jonas, Tonje	Multivariate Timeseries forecasting of the danish weather
03:15:00 PM	Break (30')	
03:45:00 PM	Adrián, Anton, Michael, Simon, Kristi	Building an inertial navigation transformer
04:05:00 PM	Christine, Marie, Vilma	WARD
04:25:00 PM	Chenliang, Guozhen, Miao, Sachin	Quasar Spectra Anlaysia

# Thursday

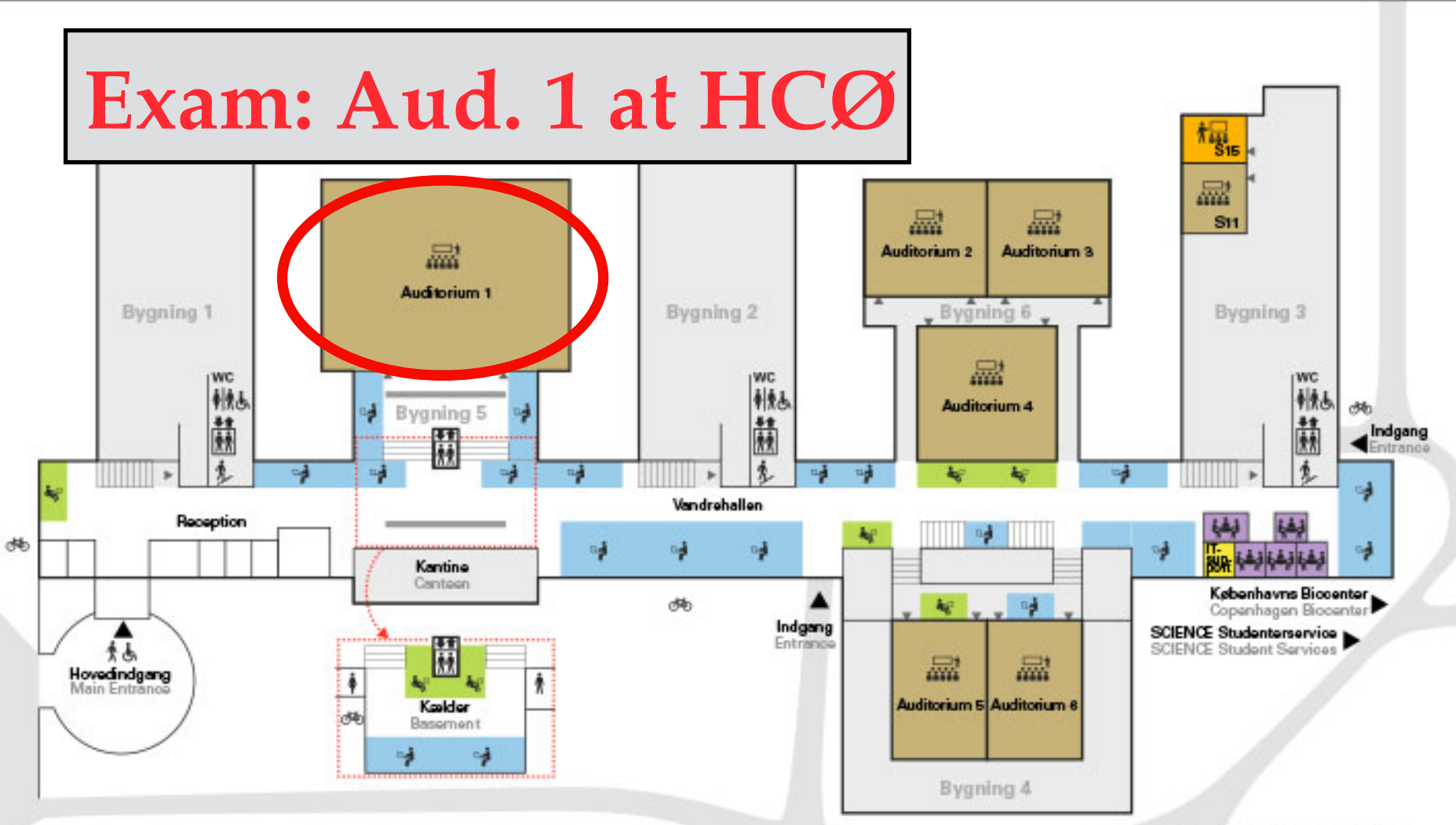
## Thursday's program June 15th, 2023

Start:	Group members names	Project name/topic:
09:00:00 AM	Troels	Short introduction
09:15:00 AM	Anton, Gustav, Thomas	Classification of and regression on astronomical objects
09:35:00 AM	Frode, Ria, Teis	Investment stock analysis
09:55:00 AM	Andreas, Rasmus, Shaowen, Yasaswy, Yi	Rediscovering Herculaneum
10:15:00 AM	Break (30')	
10:45:00 AM	Chayton, Frederik, Julius, Noah, Simon	Predicting pitches in baseball
11:05:00 AM	Jonas, Mikkel, Odysseas	Decomposing and Isolating Individual Instruments
11:25:00 AM	Frederik, Lukas	Football match analysis
11:45:00 AM	Lunch break 1h	
12:45:00 PM	Jakob, Júlia, Leonie	Predicting spanish wildfires from weather data
01:05:00 PM	Imke, Majbritt	Ironman project
01:25:00 PM	Ian, Christian	Focal group
01:45:00 PM	Break (30')	
02:15:00 PM	Backup slot	?

# Exam location Wednesday

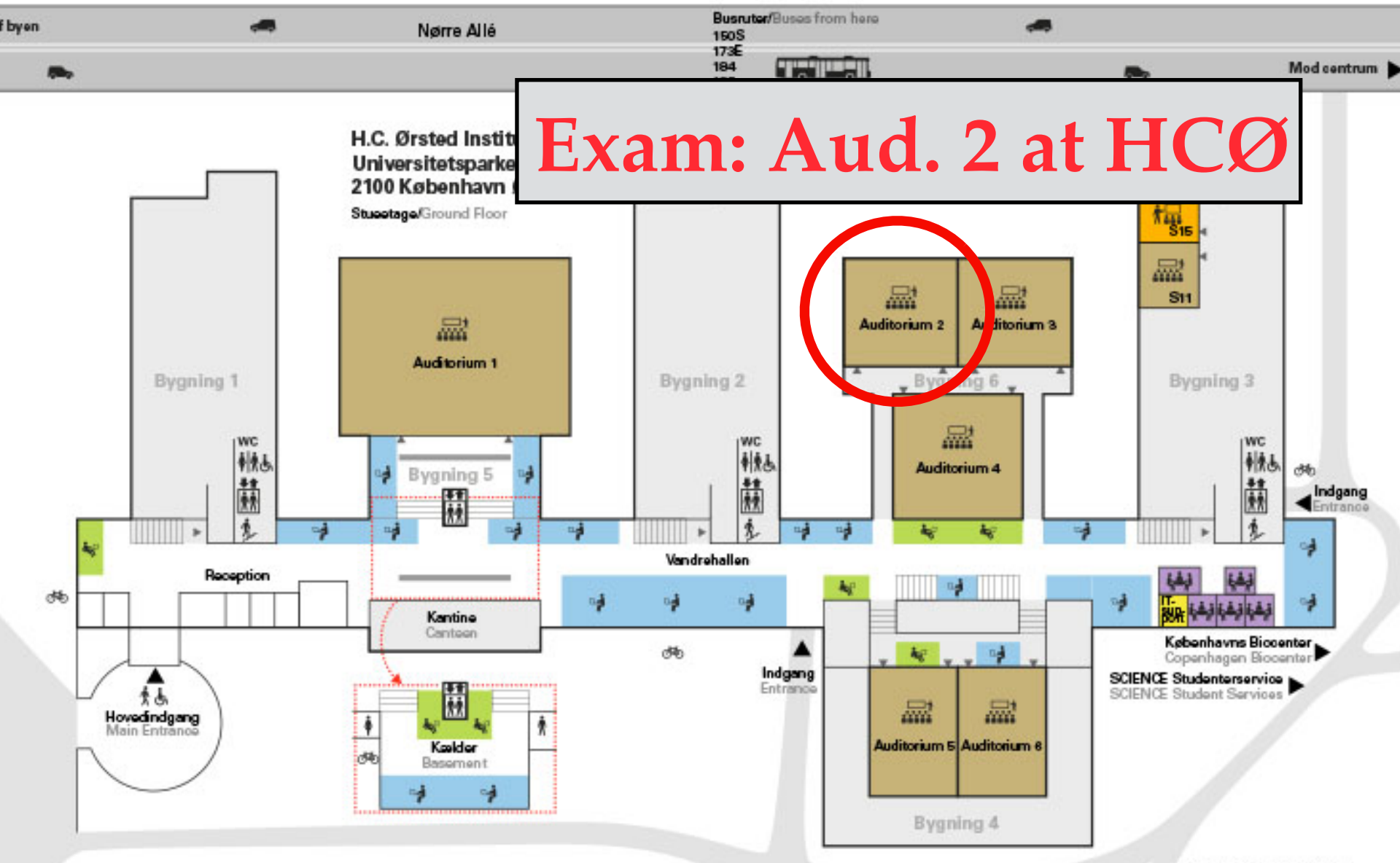
f byen      Nørre Allé      Busruter/Buses from here  
160S  
173E  
184  
185      Mod centrum ▶

**Exam: Aud. 1 at HCØ**





# Exam location Thursday 9-12





# Exam location Thursday 12-16

**Exam:**

**Aud. 3 in August Krogh Building**

