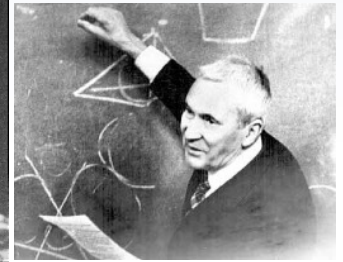
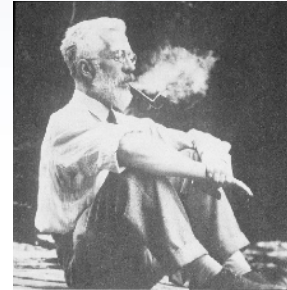
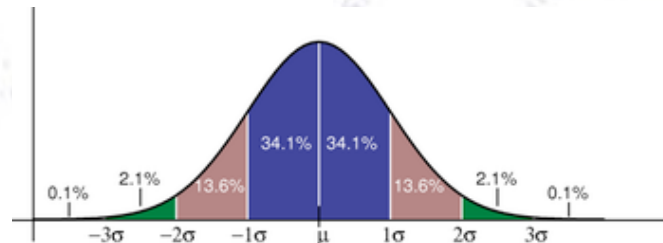


# Applied ML

## 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  $8 + 2N_{\text{group}}$  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. Also describe your process, discuss your choice of methods, and recount your problems/optimisation/CPU or GPU-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 and how much the class will learn from presentation
- Implementation, technical details, optimisation, etc. (your appendix)
- Ability to evaluate ML usage (your evaluations of other presentations)

# Your presentations

**Each presentation is allotted  $8 + 2N_{\text{group}}$  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 presentation time.
- 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**.
- Perhaps tell us, what you would have done with more time, data, GPU, etc.

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 the 11th of June			
Start time:	Member Names:	Topic / Title:	Time:
9:00	Troels	Introductions	10
9:10	Line, Valdemar, Sham	Multi-Cancer Dataset	14
9:28	Deniz, Niels DB, Sanvi, Francesco	Balling or Bawling, Ranking Football Players Using Data	16
9:48	Nathalie, Alexandra, Carla, Stine	Learning the link: Exploring US Market Dependencies with Machine Learning	16
10:08	Break (30 min.)		
10:38	Jeppe, Laurits, Niels	Predicting the Weather using Explainable Machine Learning	14
10:54	Zakarias, Frederik, Mark BHS	GNN Partikel	14
11:14	Markus, Philip, Adian, Vasileios, Jens GR	Ice sheet radar	18
11:36	Lunch Break (1 hour)		
12:36	Jakob, Maja, Lingjun, Jacob, Quinn	type 2 diabetes in mice	18
12:58	Julie, Søren, Kasper, Siri	Music Prediction	16
13:18	Franciszek, David, Laurits	Transforming IceCube	14
13:36	Break (30 min.)		
14:06	Mattis, Emil, Victoria, Rasmus, Daniel	Analyzing multiplexed superconducting qubit readouts	16
14:26	Wiktorja, Filip	Can machines recognise phishing mails? - An NLP project	12
14:42	Marc, Janni	Icecube Data	12
14:58	Break (30 min.)		
15:28	Jens, Anton, Johnathan, Jakob	Magic The Gathering: Classification and Generation	16
15:48	Carlos, Alok, Mohammadhadi, Chen, Tangyhi	Fake News Analysis	18
16:10	Anna, Maria, Jeppe	Estimating the volume of ice on antarctic	14
16:28	Estimated end of Wednesday presentations		
Thursday the 12th of June			
Start time:	Member Names:	Topic / Title:	Time:
9:00	Chamilla, Ivan, Cebine, Pierre, Mark BS	Galaxies, Pixel by Pixel: Classifying the Universe with CNNs.	18
9:22	Sebastian, Martin, Vitus, Simon, Thomas	Atmospheric Measurements - going from balloons to satellites	18
9:44	Marc, Ioanna, Mari, Tinus, Laura	Environmental Hazard	18
10:06	Break (30 min.)		
10:36	Jonah, Alex, Franzi, Emma, Felice	European Population	18
10:58	Danielle, Simon, Mailde, Mads	Adsorption on Binary Alloy Catalysts	16
11:18	Annika, Henrik, Lisa, Charlotte	Antarctic Ice Sheet	16
11:38	Abdul, Davud, Mohammad	Football Transfer Market	14
11:56	Estimated end of Thursday presentations		



# Exam location

Wednesday:

StoreUP1

Thursday:

HCO, Aud. 2

