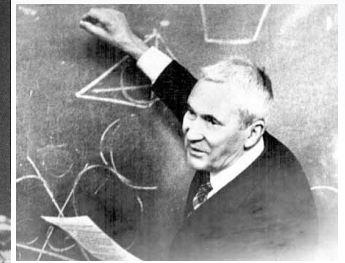# Applied ML
Final Project Presentations & Schedule

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
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 9:15/9:00** with a short introduction (Wed / Thur). 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.

Wednesday's Program (16th)

Start:	Group member names:	Project Name:
9:15	Troels P	Short introduction
9:35	Amalie, Ulrik, Marcus, Michala, Søren L	Identifying insolubles in IceCore data
9:55	Niels, Bjarne	Credit card fraud detection
10:15	Break (30 minutes)	
10:45	Chrysoula, Neus, Anna, Christopher, Arnau	Weather and power consumption predictions
11:05	Alex, Asger, Johan, Daniel	Brain MRI segmentation
11:25	Niall, Leon, Morten, Jonathan, Frederik, Kristian	ChemCam: Identifying chemicals on Mars
11:45	Lunch break (1 hour)	
12:45	Jun, Valerii, Rebecca, Georgia	Predicting song popularity on Spotify
13:05	Jonathan	Identifying (German) road signs
13:25	Kevin, Emil H, Daniel, Gustav	Stock market predictions
13:45	Break (30 minutes)	
14:15	Dana, Anna, Helene, Elloise	Satellite data analysis concerning climate
14:35	Nick, Troels S, Jakob SH, Emil D	Insurance claims data
14:55	Martin, Lars Erik, Liam	Identifying insolubles in IceCore data
15:15	Break (30 minutes)	
15:45	Marc, Søren B, Rasmus, Mathias	Image classification in Earth observations
16:05	Pedro, Benat, Jonas, Jacob TH	Generating photonics crystals from band diagrams
16:25	*Unforseen events/projects/summary*	*(Hopefully not needed!)*

Thursday's Program (17ᵗʰ)

Start:	Group member names:	Project Name:
9:00	Troels P	Short introduction
9:15	Andrea, Julian	Detecting Covid-19 from chest radiographs
9:35	Sofus, Mads, Eliot	Classifying musical genres of audio snippets
9:55	Kristine, Emma, Camilla, Simon, Martin, Jeppe	Identifying insolubles in IceCore data
10:15	Break (30 minutes)	
10:45	Tobias, Kaare	Identifying bird calls from audio snippets
11:05	Alicia, Andreas, Tommaso	Data from SEA group on Milan Airport
11:25	Katharina, Nga, Emily	Clustering astronomical objects
11:45	Lunch break (1 hour)	
12:45	Beatriz, Vittorio, Carl, Marco, Moritz	Identifying Kepler objects with ML
13:05	Martin, Marie, Kasper	QuickDraw data and GANs
13:25	Maja, Kimi, Linea, Samy, Ioannis	Classifying 120 dog breeds from images
13:45	Break (30 minutes)	
14:15	Kian G, Tobias, Mia-Louise, Kian K	Identifying insolubles in IceCore data
14:35	Ruben, Patrick, Martin	Winning Fantasy Premier League with ML
14:55	*Unforseen events/projects/summary*	*(Hopefully not needed!)*

V2.0 (10. June, 16:30)

Exam in Aud. 2 & Zoom

Exam: Aud. 2 at HCØ