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| Lab (Tutorial) | Responsible | Content | Grading |
| Tutorial 1: Math basics | Amaury | - Bayes rule  - Stats/prob  - Classification  - Sampling  - Multivariate distribution | possible to make MCQ?  - Binary classifier design (pattern reco-like exercise)  - More theoretical bonus questions |
| Tutorial 2: Math basics | Amaury | - Optimization  - Least square  - Lasso  - Elastic net  - Variational lower bound theory intro | MCQ on linear algebra? |
| Tutorial 3: Data-limited scenarios | Antoine | ELM, SVM |  |
| Tutorial 4: Imp & structures of DNN | Antoine | LeNet, CNN |  |
| Tutorial 5: Imp & structures of DNN | Antoine | benchmarking CNNs |  |
| Tutorial 6: Generative models | Anubhab | GAN |  |
| Tutorial 7: Generative models | Anubhab | flow models |  |
| Tutorial 8: Sequential data analysis | Antoine | Attention mechanism  RNN  Echo state |  |
| Tutorial 9: Complex learning scenarios | Anubhab | Transfer learning |  |
| Project, 3 options |  | - Write 1000 words about a topic  - Choose a repo (from a list) replicate the results | - GAN for incremental learning had a pb) |