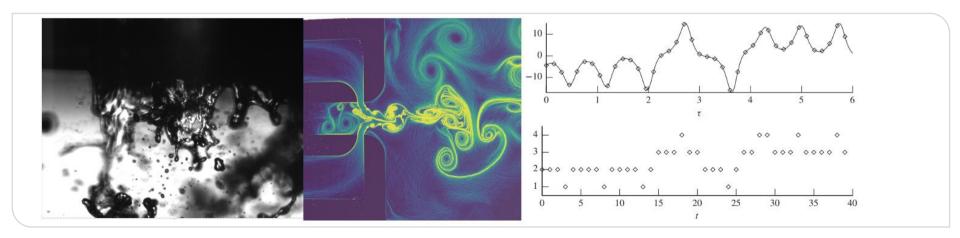




Data Driven Engineering II: Advaced Topics

Project Meeting I

Institute of Thermal Turbomachinery Prof. Dr.-Ing. Hans-Jörg Bauer





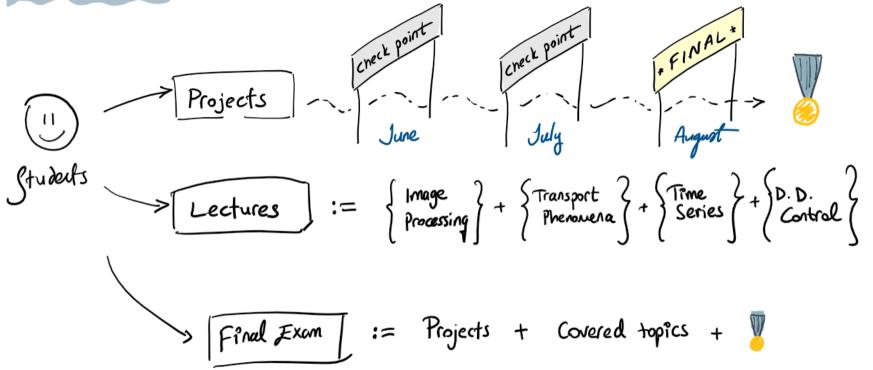
Outline of the day

- * Roud map for the projects
- * Tools that we can use
- * Individual project discussions

03.06.2021



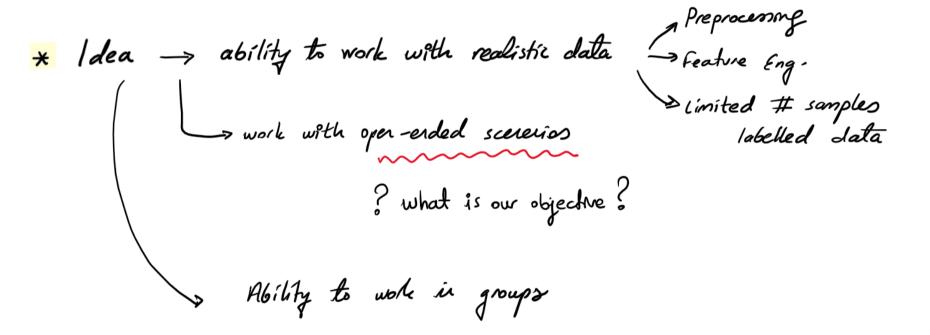




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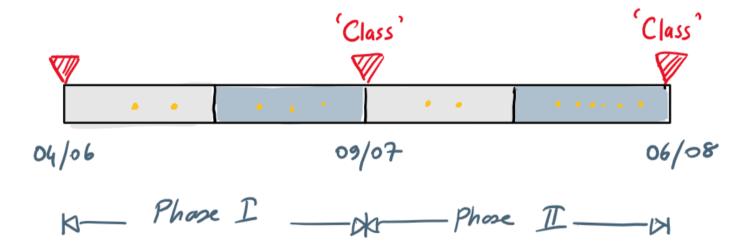












Phose I



- □ Learn about the physical problem
- ☐ Set an objective together
- ☐ Access the raw data & hardwore
- D EDA: Explore & visualize the data.
- □ Fcature Eng. (?)
 □ Transfer learning ⇒ Literature review
- Decide (alternative) paths => pre/post.
- ☐ Try to implement one model

Share the load.

In doubt, ask for help

Keep in touch with partners

Project -> hards-on exp.

Phase I



models

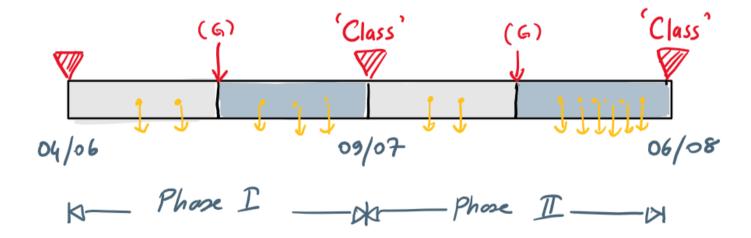
strategies

hyperparameter tuning

- have a list of recipes to try
- ☐ Explicatly split the tasks among the group
- [Train / Test; Train / Test; Train / Test ...
- D Gather your results for Pn-class discussions
 - (3:1) [in group discussion] "Story to tell ,











(1) Transfer learning -> [1111] Papers with code

arXiv.org

→ Gittlub → Awesone open source
→ Scopus / WOS / ...

Tools to be used



(2) Hardware ____ (Colab) + Google Drive

---> BW Unicluster 2.0 + BW Sync & Share

Accen granted



See the willi





user accers

* access Supyter - See the wiki

Login →

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