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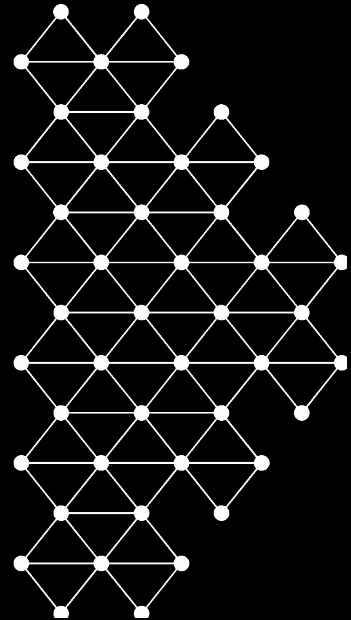
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Common Presentation
Week 3 - January 23, 2019

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Using the cluster

REMINDER

Source the *common.env* file in your *~/.bashrc:*

```
$ echo "source /rap/jvb-000-aa/COURS2019/etudiants/common.env" >> ~/.bashrc
```

We will maintain it with time, so do not simply copy its contents as they might change.

If you need help, come ask us!

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s_exec

s_exec was not working as expected last week when used with msub, this has been fixed. Test it with example.pbs in $RAP/COURS2019/etudiants

$ msub example.pbs

```bash
#!/bin/bash
#PBS -A colosse-users
#PBS -l advres=MILA2019
#PBS -l feature=k80
#PBS -l nodes=1:gpus=1
#PBS -l walltime=01:00

# set the working directory to where the job is launched
cd "${PBS_O_WORKDIR}"

s_exec python -c \'import this\'
```

advres

GPUs are reserved for Mila students during the course. Currently using advres will only run jobs at that moment. We are working on a fix. Consider this when working outside class hours.

```
if [[ $(date +%u) -eq 3 ]] || [[ $(date +%u) -eq 5 ]]; then
    alias mdebug="msub -N debug -A $GROUP_RAP -l advres=MILA2019,feature=k80,nodes=1:gpus=1,walltime=15:00 -I"
else
    alias mdebug="msub -N debug -A $GROUP_RAP -l nodes=1:gpus=1,walltime=15:00 -I"
fi
```
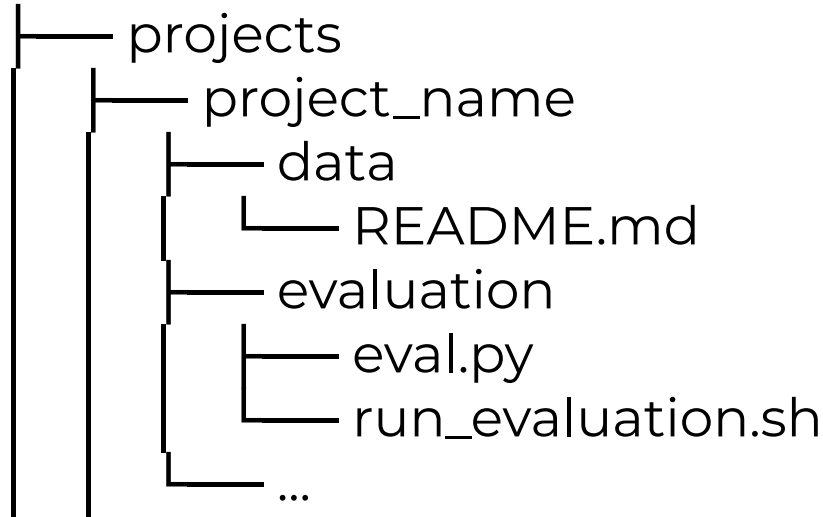
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Evaluation scripts
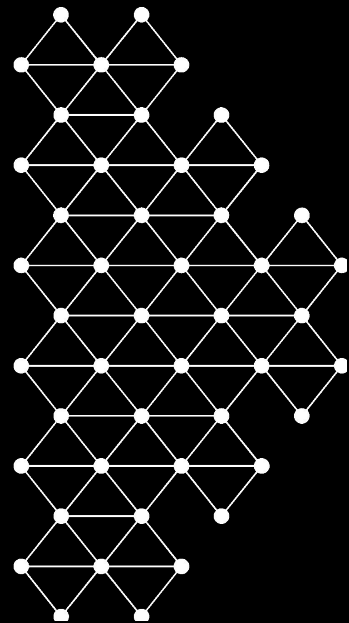
Evaluation

- The process will be streamlined, to ensure fair and easy evaluation of all teams

- We will provide you with sample scripts that you will need to include in your git repo.

- Evaluations will vary slightly per project, but the structure will be the same.

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Evaluation

- Evaluation scripts are in the course github and on the shared etudiants/ift6759 folder (it is a git clone)

```
ift6759
├── projects
    ├── project_name
        ├── data
        │   └── README.md
        ├── evaluation
        │   ├── eval.py
        │   └── run_evaluation.sh
        └── …
```

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Evaluation

- To evaluate your script, we will clone your project, cd to your repo, and run our evaluation script. We expect the eval.py file to be under the evaluation folder.

```
├── YOUR_REPO
│   │   ├── evaluation
│   │   │   ├── eval.py
```

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Evaluation

- You need to hardcode in eval.py the absolute path to your model (be sure it is in a repository we can read from!) as well as your team name.

```
# Put your group name here
group_name = "b1phutN"

model_filename = None
# model_filename should be the absolute path on shared disk to your
# best model. You need to ensure that they are available to evaluators on
# Helios.
```

Evaluation

- Outputs will be a .txt file containing your per-class prediction for each model. Be sure not to shuffle your testing dataset!

- If we can't run your code, we reserve the right to give 0 to the code evaluation segment.

- IF IN DOUBT, ASK QUESTIONS!

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