

Uni.lu HPC School 2019

PS12a: Machine / Deep learning I Keras/Tensorflow CPU/GPU



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<http://hpc.uni.lu>



Latest versions available on **Github**:



UL HPC tutorials:

<https://github.com/ULHPC/tutorials>

UL HPC School:

<http://hpc.uni.lu/hpc-school/>

PS12a tutorial sources:

ulhpc-tutorials.rtf.d.io/en/latest/deep_learning/





Main Objectives of this Session

- Developing Deep Learning models with TensorFlow Keras on the HPC (iris)
 - ↳ follow a TensorFlow tutorial (NLP)
 - ↳ develop, interactively, on a CPU (or GPU) node
 - ↳ run on a GPU node (interactive)
- Batch execution on a single node
 - ↳ CPU only
 - ↳ GPU accelerated



Non-objectives of this Session

- Not a TensorFlow (nor Deep Learning) tutorial
- Not multiple node
 - ↔ another session



Thank you for your attention...

Questions?

<http://hpc.uni.lu>

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