



PPCES: Machine and Deep Learning

Further Links and Literature



– PyTorch

- https://pytorch.org/tutorials/beginner/pytorch_with_examples.html
- https://pytorch.org/tutorials/intermediate/ddp_tutorial.html
- https://pytorch.org/tutorials/recipes/recipes/tuning_guide.html
- <https://github.com/NERSC/sc22-dl-tutorial/>
- <https://towardsdatascience.com/7-tips-for-squeezing-maximum-performance-from-pytorch-ca4a40951259>

– TensorFlow

- <https://www.tensorflow.org/tutorials/distribute/keras>
- https://www.tensorflow.org/tutorials/distribute/multi_worker_with_keras
- https://www.tensorflow.org/guide/distributed_training
- https://keras.io/guides/distributed_training/#multiworker-distributed-synchronous-training
- https://www.tensorflow.org/guide/profiler#overview_page

- Profilers
 - https://www.tensorflow.org/tensorboard/tensorboard_profiling_keras
 - <https://www.tensorflow.org/guide/profiler>
 - <https://docs.nvidia.com/nsight-systems/>
- Python virtualenv
 - <https://docs.python.org/3.8/tutorial/venv.html>
- Conda-Forge (* regular Anaconda forbidden)
 - <https://conda-forge.org/download/>
 - <https://conda-forge.org/docs/>
 - <https://github.com/conda-forge/miniforge>
- Apptainer
 - <https://apptainer.org/documentation/>

- Scikit-learn

- <https://scikit-learn.org/stable/>

- <https://jupyter-docker-stacks.readthedocs.io/en/latest/using/selecting.html#jupyter-datascience-notebook>