# Tutorials

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## Clusters and Storage

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We are developing a set of tutorials to help NYU HPC users make the most of the facilities. Tutorials are suitable for self-directed learning and are also periodically run as classes in the library. NYU Data Services also provides tutorials for a range of scientific software - for dates and times of upcoming HPC classes check our calendar, or see NYU Data Services for a wider schedule of classes.

If you want to schedule an Information session apart from the regular HPC training offerings, please fill out the form.

Currently available HPC tutorials are:

Tutorial 0: Introduction to Unix/Linux

Tutorial 1: A Hands-On introduction to Unix/Linux

Tutorial 2: Getting Started in the NYU HPC environment

The NYU HPC sbatch tutorial is also available, covering:

- Declare the date/time a job becomes eligible for execution
- Defining the working directory path to be used for the job
- Manipulate the output files
- Mail job status at the start and end of a job
- Submit a job to a specific queue
- Submitting a job that is dependent on the output of another
- Submitting multiple jobs in a loop that depend on output of another job
- Opening an interactive shell to the compute node
- Passing an environment variable to your job
- Passing your environment to your job
- Submitting an array job: Managing groups of jobs

Getting Started on Dumbo: How to log in

Tutorial 1: MapReduce

Tutorial 2: Hive

Tutorial 3: Spark