Prerequisites:

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Before getting started, ensure you're familiar with basic terminal commands for your operating system, such as navigating directories, creating new directories, and removing files. You will also need a code editor; Visual Studio Code is recommended.

For the lecture and code-along tutorial, it’s highly recommended to install Miniconda, as it simplifies the installation of Datalad and other necessary tools. You can install Miniconda on your personal computer (preferably Linux or macOS) or request an ARC account by emailing [support@hpc.ucalgary.ca](mailto:support@hpc.ucalgary.ca) and install Miniconda in your /home/<username> folder.

**Step 1 - Install miniconda**

Follow the instructions in this link:

<https://docs.anaconda.com/miniconda/>

**Step 2 - Install Datalad**

1. Create a Conda environment for your Datalad run the following commands in your terminal:

conda create --name datalad\_training python=3.9

conda activate datalad\_training

1. Install Datalad and update it using Conda:

conda install -c conda-forge datalad

conda update -c conda-forge datalad

1. Install the datalad-container extension:

pip install datalad-container

1. Confirm proper installation by running:

datalad --help

**Step 3 - Install Docker (if using a personal computer)**

If you are using ARC, you can skip this step. For personal computer, follow the Docker installation instructions here:

Follow the instructions in this link:

<https://docs.docker.com/engine/install/>

If you encounter any difficulties, please contact [Milton.camachocamach@ucalgary.ca](mailto:Milton.camachocamach@ucalgary.ca).