

### Helpful Links:

- <http://www.mackenziemathislab.org/deeplabcut>
- <https://github.com/DeepLabCut/DeepLabCut-Workshop-Materials/blob/master/DLCcourse.md#installation>

### Running DeepLabCut

- Open a terminal – make sure to run as administrator!
- Enter command `activate DEEPLABCUT` – this should result in (DEEPLABCUT) sitting to the left of your username
- Enter command `ipython` followed by `import deeplabcut` – this always gave me a weird error but you can ignore it
- Enter command `deeplabcut.launch_dlc()` – this opens the GUI
- Name your project and upload the videos – this is a huge pain if the videos are in separate folders so if you can get all the videos in one folder beforehand. Don't forget to pick a place to put the project that you'll remember.
- Create the project and ensure you there's a config.yaml file.
- Open the config file and change the body parts to left, right, top, and bottom (or whatever you've decided on). You can also change the number of frames under numframes2pick (we did 50 for our labeling).
- Go to Extract Frames on the GUI. We didn't change any of the default parameters, so you can just go ahead and start extracting. This step takes AGES, but you can close your computer at any time and it will just start up again once you open up your computer. I just had it running in the background while I did other work for a day or two.
- NOTE: the GUI will frequently say it's stopped responding. I think this is because it's sort of a janky GUI, but as long as you don't see any errors in the terminal, you're totally fine.