DeepLabCut Installation Guide

Hello! DeepLabCut is a non-invasive animal tracking program that can be used on Windows, MacOS, or Linux. The installation may take around 1 hour to complete.

This installation guide is for the DeepLabCut installation via **<u>Graphical User Interface (GUI)</u>**.

- The installation guide is based on the **<u>Windows</u>** system.
- Note that the process may be different depending on the operation system of your computer, please visit the official installation website for detailed explanations if needed: https://deeplabcut.github.io/DeepLabCut/docs/installation.html.
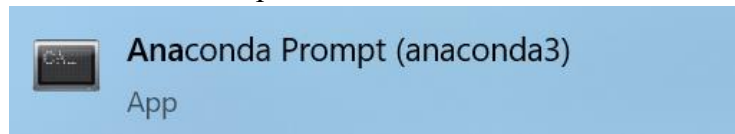
Step 1: Install Python (Anaconda)

1. Installing the Anaconda environment is required for the operation of DeepLabCut.
2. You can skip this step if you have already installed Anaconda on your computer.
3. The installation link (Depending on the type of your computer, choose one of the following):

   a. Windows: https://docs.anaconda.com/free/anaconda/install/windows/
   b. MacOS: https://docs.anaconda.com/free/anaconda/install/mac-os/

Step 2: Install DeepLabCut on the conda environment

1. Open the command prompt on your computer.
   a. Depending on the type of your computer, choose one of the following:
      i. Windows: Anaconda Prompt

         1.
      ii. MacOS: Terminal

         1.
2. Clone DeepLabCut
   a. `git` is required to be installed with the Anaconda.
      i. Please type on the command prompt to ensure installation: `conda install -c anaconda git`

    b. Type the following:
        i. `git clone https://github.com/DeepLabCut/DeepLabCut.git`

    c. Then, type:
        i. `cd C:\Users\`**`YourUserName`**`\Desktop\DeepLabCut\conda-environments`
        ii. Make sure to change `YourUserName` to direct you to the right location.
        iii. After the installation, you should see a folder named DeepLabCut appearing on your desktop.

    d. Afterwards, type:
        i. Depending on the type of your computer, choose one of the following:
            1. Windows: `conda env create -f DEEPLABCUT.yaml`
            2. MacOS: `conda env create -f DEEPLABCUT_M1.yaml`

THE END.
DeepLabCut is installed!

After installation, when launching DeepLabCut on GUI:

1. Open the command prompt
2. Type in sequence:
    a. `activate DeepLabCut`
    b. `ipython`
    c. `import deeplabcut`
    d. `deeplabcut.launch_dlc()`
3. Then you should see this application page open. **Happy training!**