The toolkit has been tested on Ubuntu 20.04, Ubuntu 18.04, Centos 7, cluster based on Centos 7, and MacOX. It is expected to work on Windows too. Python 3 is needed for running the toolkit. Please follow the following instructions to install and use software:

1) Install Conda from the following link:

<https://docs.conda.io/projects/conda/en/latest/user-guide/install/>

2) Set up a virtual environment:

conda create --name DeepLIBRA python=3.6

3) Activate the environment for the first time and anytime you need to work with the toolkit:

conda activate DeepLIBRA

4) Install the required packages:

pip install -r requirements.txt

5-1) Run toolkit using command line (there more options for running the toolkit, you can see them using -h):

python3 Path\_to\_code/execute\_libra\_code.py -i ${Path\_to\_Images} -o ${Path\_to\_Output} -m ${Path\_to\_Networks

Example: python3 ~/Documents/MyPapers/A\_Breast\_Deep\_LIBRA/ShortVersion/Code/execute\_libra\_code.py -i ~/Desktop/image -o ~/Desktop/image/output -m ~/Desktop/Nets

5-2) Run toolkit using graphical user interface:

python3 ${Path\_to\_code}/run\_GUI.py

Graphical user interface, application

Description automatically generated