

Setup a hybrid conda & pip-tools environment for Machine Learning

1. Create conda environment

a. Specify Python version

2 Activate the environment

3. Install the right cuda tool for our Pytorch environment

(optional)

4. Export the environment to an
`environment.yml` file

5. Create the requirements folder with the necessary `.in` files

- `dev.in` and `prod.in` for both development and production environments
- We will put our dependencies in these files

6. Write a MakeFile with 3 basic commands:

- `help`: (to print the makefile commands)
- `conda-update` to update our environment
- `pip-tools` to install, compile and sync our dependency requirements in both development and production environments

7. Run `make conda-update`

8. Run `make pip-tools`

- installs all the packages in the `.in` files and takes care of any potential conflicts that might exist

9. END! :)