

Intro IA : libraries

NICOLAS

1 LIBRARIES AND LANGUAGE

During the **Introduction to AI** module, we will do some exercises with python.

python 3.6 is preferred (for the compatibility with pygraphviz), but other versions might also work depending on your system.

We will use the following third-party libraries. You are encouraged to install before them the module.

- numpy
- matplotlib
- graphviz
- pygraphviz
- optionnally : ipdb (debugger)

graphviz is the trickiest lib to install. Here are some additional tips in order to install it : They are based on successful attempts from former students in order to install the lib.

On windows :

- download the msi file from graphviz.org
- open the msi file
- update the PATH with the location of the graphviz lib that was just installed
- if not already installed, install **pip**
- **pip install graphviz**
- it might be necessary to restart your computer

Here is the stackoverflow subject about installing pygraphviz

<https://stackoverflow.com/a/54890705>

Look at the 4th point at the end of the post, it is providing the wheel.

On mac :

- use **homebrew** (package manager for mac) and / or **pip**

By the way, we will also use the following modules from the standard library :

- random
- csv
- os