Installation Guidelines

In order to reduce errors due to package versions and/or dependencies it is advised to use a virtual environment for the assignments. Note that it is not compulsory to use one or to use the one we provide guidelines for (pipenv). If you want to install all packages manually, you can find them in the pipfile located in the zip file from Canvas. However, as the assignments are automatically graded it might be wise to use it. Also, these are guidelines and it is likely that people will run into errors that we did not ran into.

Ubuntu

- Download the "abm-assignments" zip file from Canvas

- Make sure you have Python 3 installed and go to your terminal

- Install pipenv, for example via `pip3 install pipenv`

- Navigate to the abm-assignments folder

- `pipenv shell` (starts the virtual environment)

- `pipenv install` (installs all the required packages from the pipfile, this could take a while)

- `jupyter notebook`

- Try to run the 0-installation notebook

- `deactivate`, followed by `exit` (to deactivate the virtual environment)

- Every time you are going to work on the assignment you have to start the virtual environment `pipenv shell` and then start the `jupyter notebook`

Windows

- Download the "abm-assignments" zip file from Canvas

- Make sure you have Python 3 installed and go to your command prompt

- Install pipenv, for example via `pip3 install pipenv`

- Navigate to the abm-assignments folder

- Go to Powershell

- `python3 -m site --user-site`

- `setx PATH {copy output of the previous line here and change ''site-packages'' to ''scripts''}`

- You might have to delete older Python paths via the registry to make sure the next lines work

- `pipenv shell`

- `pipenv install`

- `pipenv run jupyter notebook`

- Try to run the 0-installation notebook

- `deactivate`, followed by `exit` (to deactivate the virtual environment)

- Every time you are going to work on the assignment you have to start the virtual environment `pipenv shell` and then start the `jupyter notebook`

MacOS

- Download the "abm-assignments" zip file from Canvas

- Make sure you have Python 3 installed and go to your terminal

- Install pipenv, for example via `pip3 install pipenv` (didn't check this step on a Mac myself.)

- Navigate to the abm-assignments folder

- `pipenv shell`: starts the virtual environment

- `pipenv install`: installs all the required packages from the pipfile (could take a while)

- `jupyter notebook`

- Try to run the 0-installation notebook

- `deactivate`, followed by `exit`: to deactivate the virtual environment

- Every time you are going to work on the assignment you have to start the virtual environment `pipenv shell` and then start the `jupyter notebook`