
pyAM Documentation

Release latest

August 05, 2015

| | | |
|----------|--------------------------|----------|
| 1 | Installation | 3 |
| 2 | Contributing | 5 |
| 3 | Example notebooks | 7 |

Python package for solving assortative matching models with two-sided heterogeneity. The theoretical framework behind the class of models solved by pyAM is described in [Eeckhout and Kircher \(2012\)](#).

Installation

Assuming you have `pip` on your computer (as will be the case if you've installed `Anaconda`) you can install the latest stable release of `pyam` by typing

```
$ pip install pyam
```

at a terminal prompt.

Contributing

If you wish to contribute to the project you will likely want to install from source. First you will need to fork and then clone the source repository.

```
$ git clone https://github.com/YOUR-USERNAME/pyAM.git
```

Next create a new *conda* development environment

```
$ conda create -n pyam-dev python anaconda
```

activate the newly created development environment

```
$ source activate pyam-dev
```

and install additional dependencies not available within Anaconda.

```
$ pip install pycollocation  
$ pip install seaborn
```

Finally, change into your local clone of the *pyam* source directory and install the package in development mode.

```
$ pip install -e .
```

Example notebooks

At the moment there are two example notebooks, one for [positive assortative matching](#) and one for [negative assortative matching](#) in the *examples* directory. The positive assortative matching works fine; the negative assortative matching, however, does not yet work (I suspect because of a poor algorithm for the initial guess).