

Prior requirements

Python and Pyomo

Before running the script, you must make sure that you have installed Python 3.7 on your PC and that you have all following libraries:

- numpy
- pandas
- random
- math
- matplotlib
- pyomo
- sys

We recommend installing the latests version of Anaconda that can be found in:

<https://www.anaconda.com/distribution/>

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Anaconda Distribution

The World's Most Popular Python/R Data Science Platform

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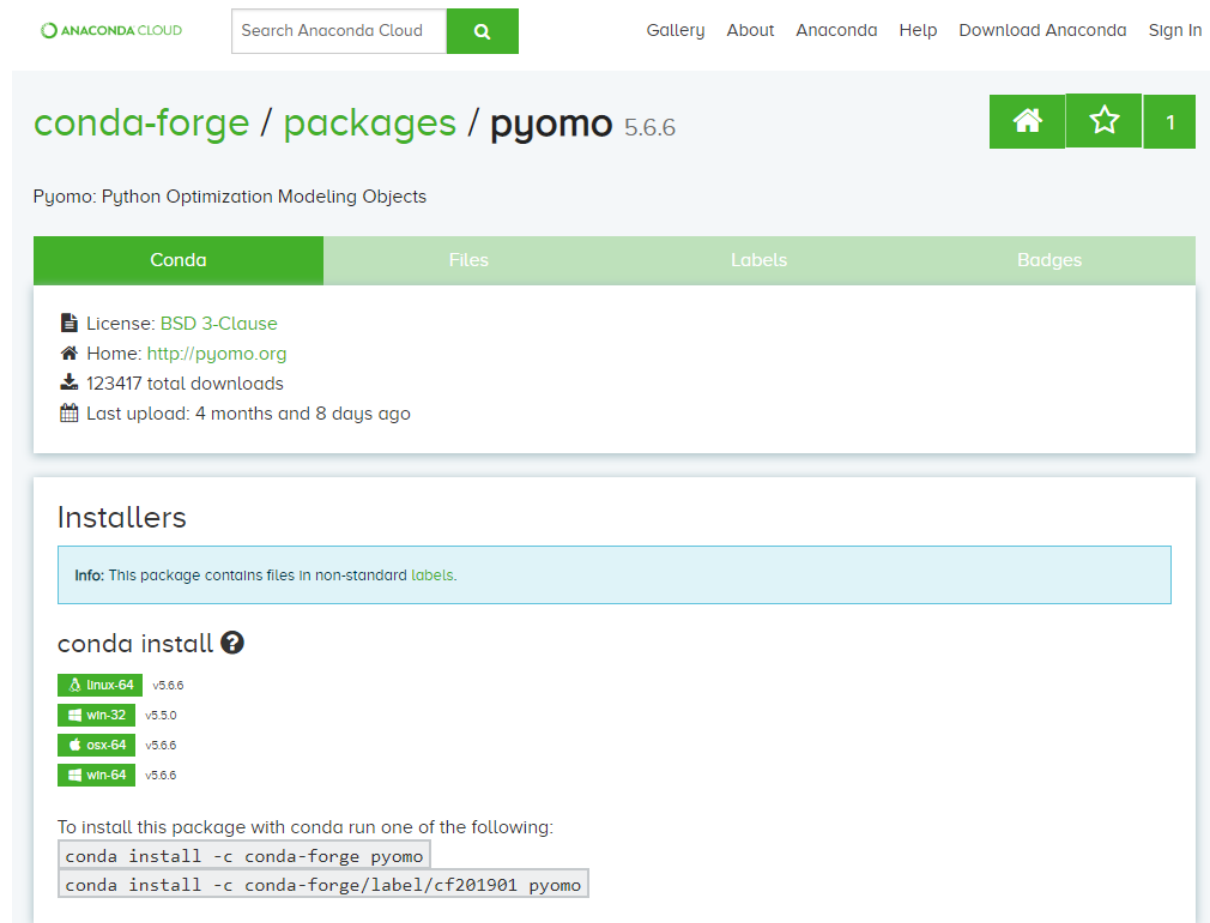
The open-source Anaconda Distribution is the easiest way to perform Python/R data science and machine learning on Linux, Windows, and Mac OS X. With over 15 million users worldwide, it is the industry standard for developing, testing, and training on a single machine, enabling *individual data scientists* to:

- Quickly download 1500+ Python/R data science packages
- Manage libraries, dependencies, and environments with Conda
- Develop and train machine learning and deep learning models with scikit-learn, TensorFlow, and Theano
- Analyze data with scalability and performance with Dask, NumPy, pandas, and Numba
- Visualize results with Matplotlib, Bokeh, Datashader, and Holoviews

Jupyter	Spyder	NumPy	SciPy	Numba
pandas	DASK	Bokeh	Holoviews	Datashader
matplotlib	TensorFlow	H ₂ O	TensorFlow	CONDA

Windows | macOS | Linux

If installing Anaconda, you only need to install the pyomo library, this can be done from the Anaconda prompt using the command described in Anaconda Cloud



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conda-forge / packages / pyomo 5.6.6

Pyomo: Python Optimization Modeling Objects

Conda Files Labels Badges

License: BSD 3-Clause
Home: <http://pyomo.org>
123417 total downloads
Last upload: 4 months and 8 days ago

Installers

Info: This package contains files in non-standard labels.

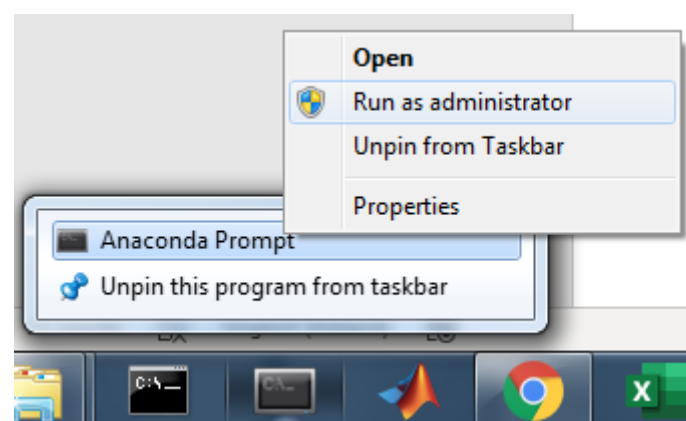
conda install ?

- Linux-64 v5.6.6
- win-32 v5.5.0
- osx-64 v5.6.6
- win-64 v5.6.6

To install this package with conda run one of the following:

```
conda install -c conda-forge pyomo
```

```
conda install -c conda-forge/label/cf201901 pyomo
```



Remember to run
as administrator

Solvers

You can try using IPOPT to solve simple problems (a few constraints and time steps). However, IPOPT will struggle with large problems. To install IPOPT, look for the command in Anaconda Cloud as for the pyomo library