

# ADAMS

Advanced **D**ata mining **A**nd **M**achine learning **S**ystem

Module: adams-python



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# Contents

1 Flow	5
Bibliography	7



# Chapter 1

## Flow

The following standalones are available:

- *PyroNameServer* – for launching/connecting to a Pyro4[3] nameserver.
- *PyroStandalone* – for calling a Pyro4[3] remote object.
- *PythonEnvironment* – defines what executables to use, system-wide or specific ones (e.g., from a virtual environment).

The following sources are available:

- *PipExec* – executes pip.
- *PyroSource* – for generating data with a Pyro4[3] remote object.
- *PythonExec* – executes the specified Python script.
- *PythonVenvExec* – executes the specified executable from the virtual environment defined with *PythonEnvironment*.

The following transformers are available:

- *PyroTransformer* – for transforming data with a Pyro4[3] remote object.
- *PythonExpandScript* – expands variables and placeholders in a script template and saves it as a separate file.

The following sinks are available:

- *PyroSink* – for consuming data with a Pyro4[3] remote object.



# Bibliography

- [1] *ADAMS* – Advanced Data mining and Machine learning System  
<https://adams.cms.waikato.ac.nz/>
- [2] *Python* – a programming language that lets you work more quickly and integrate your systems more effectively.  
<https://www.python.org/>
- [3] *Pyro4* – Python Remote Objects 4 enables you to build applications in which objects can talk to each other over the network, with minimal programming effort..  
<https://github.com/irmen/Pyro4>