ADAMS

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

Module: adams-ml



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November 21, 2026

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Contents

1 Flow **5**

Bibliography **7**

Chapter 1

Flow

The following control actors are available:

- *RemoveOutliers* – allows the user to interactively remove outliers.

The following transformers are available:

- *ActualVsPredictedProcessor* – generates output from a spreadsheet with *actual* and *predicted* columns.
- *ClassSelector* – sets the column(s) in the data to act as class attribute.
- *ConfusionMatrix* – generates a confusion matrix in spreadsheet format from a spreadsheet containing actual and predicted labels.
- *DatasetFilter* – applies a filter to the incoming dataset (= batch filter).
- *DatasetRowFilter* – applies a filter to the incoming dataset row (= stream filter).
- *GenerateFileBasedDataset* – uses the specified generator to turn *FileBasedDatasetContainer* objects into actual datasets.
- *PredictionEccentricity* – computes the *eccentricity* of the predictions generated by a regressor[1].
- *PrepareFileBasedDataset* – uses the specified preparation scheme to turn file arrays into *FileBasedDatasetContainer* objects.

The following sinks are available:

- *ActualVsPredicted* – plots columns from spreadheets vs each other.

The following spreadsheet readers are available:

- *SimpleArffSpreadSheetReader* – basic reader for ARFF files.

The following spreadsheet writers are available:

- *SimpleArffSpreadSheetWriter* – basic writer for ARFF files.

[1] `https://en.wikipedia.org/wiki/Eccentricity_(mathematics)`

Bibliography

[1] *ADAMS* – Advanced Data mining and Machine learning System
`https://adams.cms.waikato.ac.nz/`