

TSAT Quickstart Guide

Time Series Analysis Tool, **TSAT**, has three main features:

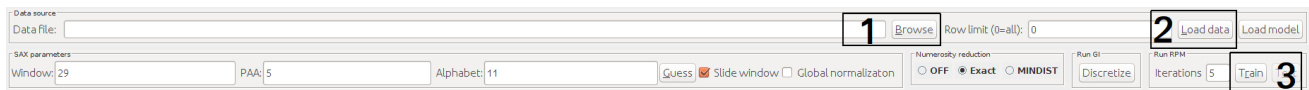
Supervised Classification Using labeled time series train an algorithm to classify unknown

Motif Discovery Finding repeated patterns within a time series

Anomaly Detection Finding rarely repeated patterns within a time series

Here we will use **supervised classification** to determine the accuracy on a test dataset.

1 Load Dataset and Train Classifier

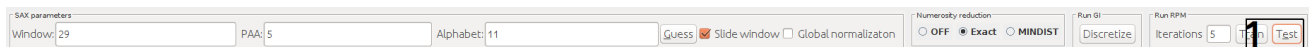


1 Click “Browse” and navigate to your training dataset.

2 Click “Load data” which will also display the time series in data display area.

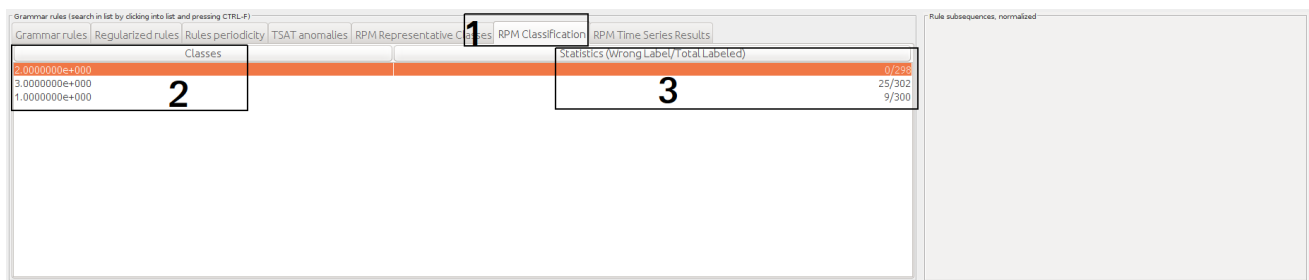
3 Click “Train” to train the classifier on the training data. When training is done the text area will display: view: RPM Handler: Finished RPM Training in Background

2 Test the Classifier



1 Click “Test” to load the test data and start testing to determine the accuracy of the classifier. When testing is done the text area will show: model: Finished testing see tabs labeled RPM Classification and RPM Time Series Results for result info

3 Test Results



1 Click on the “RPM Classification” tab to view the accuracy results.

2 Classes column contains the labels.

3 Statistics column contains the number of misclassified examples for each class.