

1D grid search

automated parameter tuning

## Optimisation

2D grid search

exhaustive optimisation

KNN   RF   SVM   tftest

sklearn

## Classification & Regression

n4sid   tensorflow

LSTM   CNN   DNN

statistics   heat maps

## Visualisation

average values   time series

## Output

average results

## Data Saving

temporal results

feature ranking   time dependent errors

## Performance Values

average error   runtime   memory

## Post-processing

sampling   averaging

## Output Preparation

building dictionaries   correlation

time domain

rolling input features

raw data

## Features

1D and 2D features

statistical features

frequency domain

sequence to point

sequence to sequence

## Sequencing

sequence to subsequence

whole data

file formats (.mat, .csv, .xlsx)

multi file loading

## Data Loading & Splitter

validation   train-test split

crossvalidation

min-max   zero-one

## Normalisation

mean-variance

data batching   data limiting

## Pre-processing

data balancing

resampling   mean/median filter

## Sampling & Filtering

error correction

forward-backward filling