

Compute the predictand/predictors

☐

If selected we start from the very beginning with the post-processing and he/she gets directed to that tab

The predictand/predictors are already computed

☒

If selected, it is supposed that the user computed previously the predictand/predictors and save them in an ascii file

Input file

Browse

/home/mo/mofp/TestData.txt

Variables contained in the ascii file

Name	Units
CAPE	J/kg
CPR	-
DATE	-
FER	-
LatOBS	°
LonOBS	°
OBS	mm
SR24h	W/m2
TimeLST	h
TimeUTC	h
TP	mm
WSPD700	m/s

PREDICTAND

Select the predictand from the list of variables in the ascii file

TP

Select what type of variable it is

Instantaneous ☐

Accumulated ☒

The Forecast Error Ratio will be considered

Select the variable that represents the Forecast Error Ratio

FER

PREDICTORS

N. of predictors

5

Select the hierarchy for the predictors

- 1) CPR
- 2) TP
- 3) WSPD700
- 4) CAPE
- 5) SR

Module 1

(1) N. of members to create from each MF

100

(2) N. of elements for each percent in the MF

10

(3) N. of samples to analyse to define the breakpoints

100

(4) Suggested minimum n. of elements for each MF

1000

Maximize the differences in the shape of the mapping function between two samples

Thresholds		Difference (in %) between areas of the MF				
ThrL	ThrH	Zeros	Over	Equal	Under	Tail
0	0.25	3	3	5	1	0.1
0.25	0.5	3	3	5	1	0.1
0.5	0.75	5	10	3	1	0.1
0.75	1	10	10	1	1	0.1

Size of the whole sample

1668167

The sample size is too small. Either no split should be applied or diminish (3).

Minimum value in the sample

0

Maximum value in the sample

1

Size of the samples to analyse

16681

The number of elements in the samples to analyse are too small. Diminish (3).

Suggested breakpoints (only K-S)

n.1: 0.001
n.2: 0.0016
n.3: 0.003
n.4: 0.0058
n.5: 0.0224
n.6: 0.0814
n.7: 0.2357
n.8: 0.3083
n.9: 0.3538

Suggested breakpoints (K-S & MF shape)

n.1: 0.5325
n.2: 0.5821
n.3: 0.7075

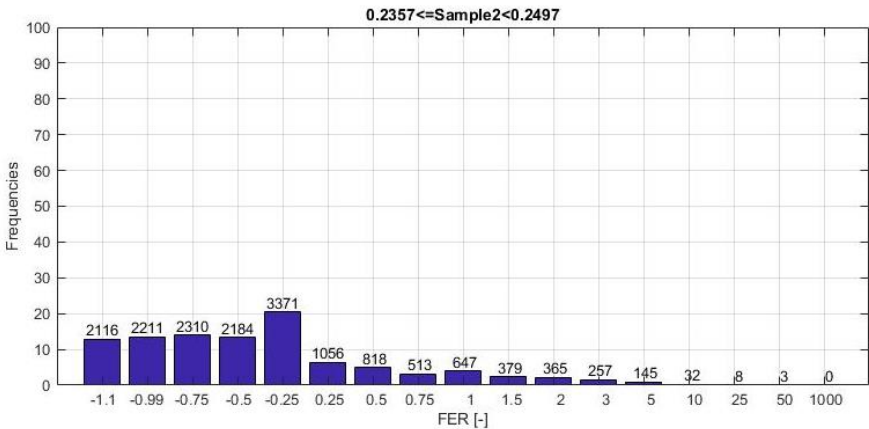
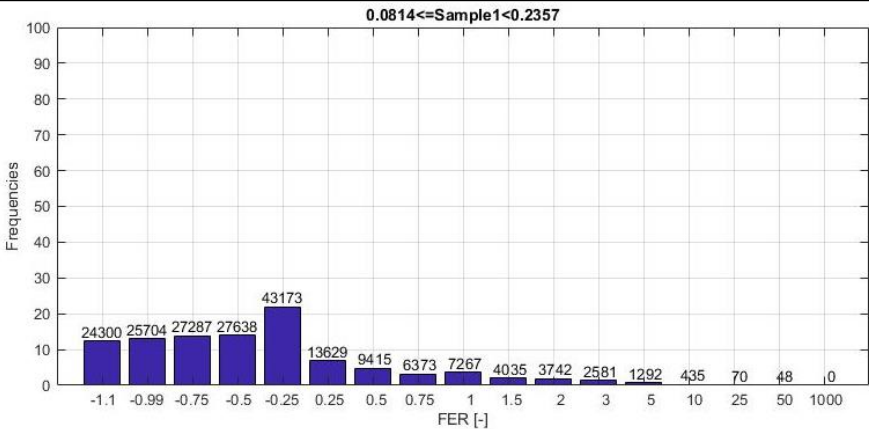
N. Of Definitive Thresholds

4

Thresholds

ThrL	ThrH
0	0.25
0.25	0.5
0.5	0.75
0.75	1

Plot the MFs



CPR

ThrLThrH

0

0.25

0.25

0.5

0.5

0.75

1

TP

ThrLThrH

WSPD700

ThrLThrH

CAPE

ThrLThrH

(3) N. of samples to analyse to define the breakpoints

100

(4) Suggested minimum n. of elements for each MF

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N. Of Definitive Thresholds

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Thresholds

ThrLThrH

0

0.25

0.25

0.5

0.5

0.75

0.75

1

Plot the MFs

CPR

TP

WSPD700

CAPE

SR24h

