Validation process for BAHIA SOLANO

The epidemiology research group, EAFIT

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Chapter 1. Extension number 1

1.1. Basic information

The extension to be validated consists of the time series from the data1 to the 36. The status of the validation is: COMPLETED.

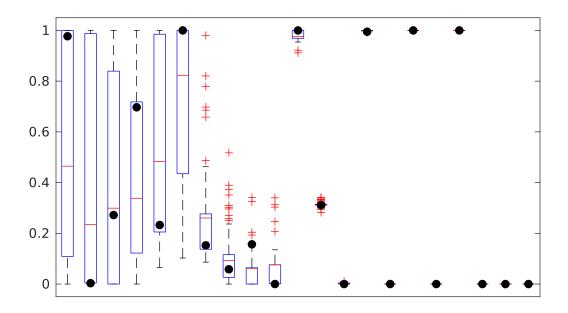
The number of estimations needed to perform the validation was 1000.

1.2. Estimated parameters with their intervals

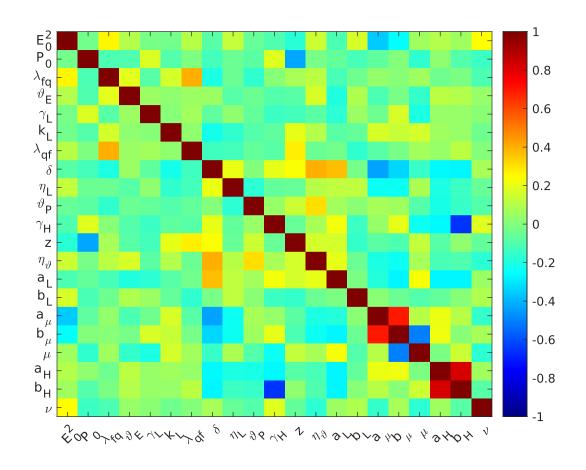
It was necessary to fix 0 parameters of 11 that could be fixed to complete validation.

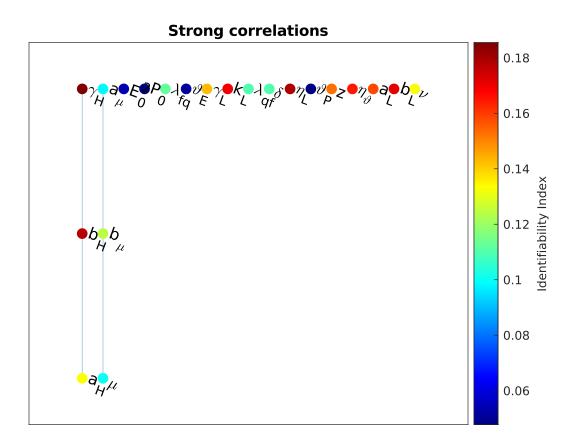
Due to a deviation from the median the CSB method was activated to obtain the

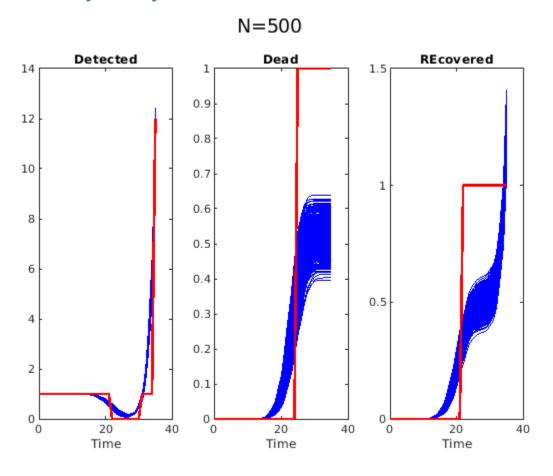
parameter interva		ngo	Nominal	Mejor	Index
E^2_0	'0'	'0'	'0'	'0'	'0.0542'
P_0	'0'	'0'	'0'	'0'	'0.0479'
\lambda_{fq}	'0'	'0'	'0'	'0'	'0.1125'
\vartheta_E	'0'	'0'	'0'	'0'	'0.052'
\gamma_L	'0.0569'	'0.0624'	'0.0952'	'0.0583'	'0.1428'
k_L	'2.0535'	'8.7249'	'3.6927'	'3.4488'	'0.1699'
\lambda_{qf}	'0'	'1'	'0.9982'	'0.9949'	'0.11'
\delta	'0'	'0'	'0.0006'	'0'	'0.11'
\eta_L	'0.954'	'1'	'0.4647'	'0.977'	'0.1789'
\vartheta_P	'0'	'0.0002'	'0'	'0'	'0.0478'
\gamma_H	'0.1199'	'0.1526'	'0.2765'	'0.1526'	'0.1855'
Z	'29.969'	'30'	'24.6962'	'30'	'0.1529'
\eta_\vartheta	'0.2213'	'0.2329'	'0.4827'	'0.2328'	'0.1646'
a_L	'1'	'1.0526'	'2.067'	'1'	'0.1585'
b_L	'1'	'1.1915'	'4.2845'	'1.0484'	'0.1719'
a_\mu	'13.9932'	'15'	'15'	'15'	'0.0989'
b_\mu	'4.7584'	'5.4585'	'5.3716'	'5.3579'	'0.1245'
\mu	'0.6406'	'1'	'1'	'1'	'0.1005'
a_H	'13.744'	'15'	'14.5657'	'15'	'0.1332'
b_H	'9.8747'	'10.9368'	'5.7356'	'10.7572'	'0.1779'
\nu	'77.3089'	'91.5599'	'31.9834'	'78.3425'	'0.1331'











Chapter 2. Extension number 2

2.1. Basic information

The extension to be validated consists of the time series from the data36 to the 73. The status of the validation is: COMPLETED.

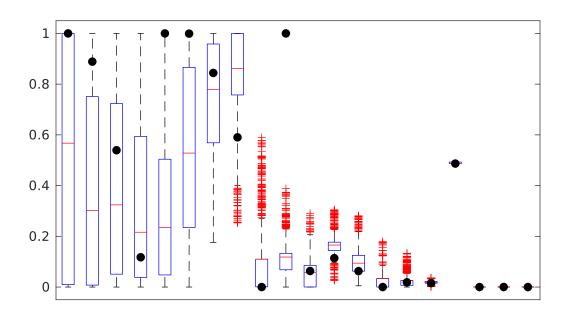
The number of estimations needed to perform the validation was 1000.

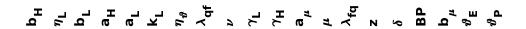
2.2. Estimated parameters with their intervals

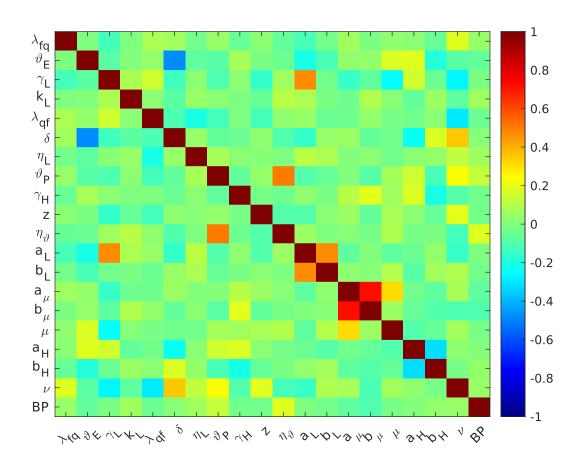
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

Due to a deviation from the median the CSB method was activated to obtain the

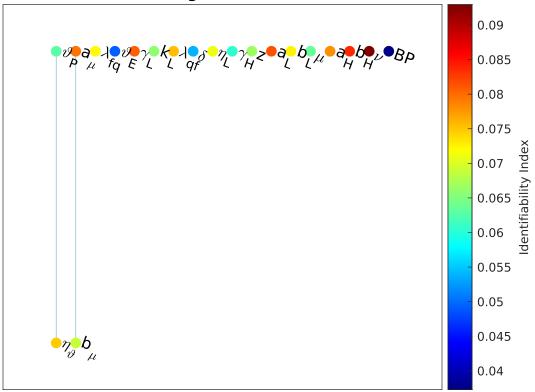
parameter interva		ngo	Nominal	Mejor	Index
\lambda_{fq}	'0'	'0'	'0.0338'	'0'	'0.0723'
\vartheta_E	'0'	'0.0005'	'0'	'0.0003'	'0.0493'
\gamma_L	'0.2065'	'1'	'0.1183'	'1'	'0.0806'
k_L	'1'	'10'	'5.7536'	'9.9922'	'0.0658'
\lambda_{qf}	'0'	'1'	'0.861'	'0.5902'	'0.0755'
\delta	'0.0018'	'0.0023'	'0.0027'	'0.0023'	'0.0538'
\eta_L	'0.057'	'1'	'0.3018'	'0.8887'	'0.071'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0628'
\gamma_H	'0.0302'	'0.0761'	'0.0576'	'0.0632'	'0.0606'
z	'0.4326'	'2.8784'	'0.7743'	'0.5629'	'0.0666'
\eta_\vartheta	'0.4128'	'1'	'0.7795'	'0.8442'	'0.0747'
a_L	'9.5056'	'15'	'4.2873'	'15'	'0.0816'
b_L	'6.0638'	'14.5532'	'5.5364'	'8.5516'	'0.0726'
a_\mu	'2.5556'	'3.1735'	'3.3186'	'2.5942'	'0.0797'
b_\mu	'1'	'1.1995'	'1.0001'	'1'	'0.0689'
\mu	'0.0377'	'0.0657'	'0.0942'	'0.0629'	'0.0636'
a_H	'1.1666'	'7.4041'	'4.0261'	'2.6447'	'0.0781'
b_H	'5.8187'	'15'	'8.942'	'14.9999'	'0.0836'
\nu	'0'	'0'	'54.865'	'0'	'0.0929'
ВР	'35.5017'	'36.3112'	'36.0318'	'36.0527'	'0.0373'

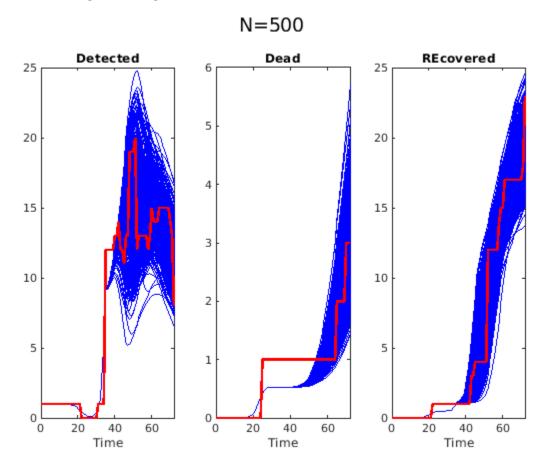






Strong correlations





Chapter 3. Extension number 3

3.1. Basic information

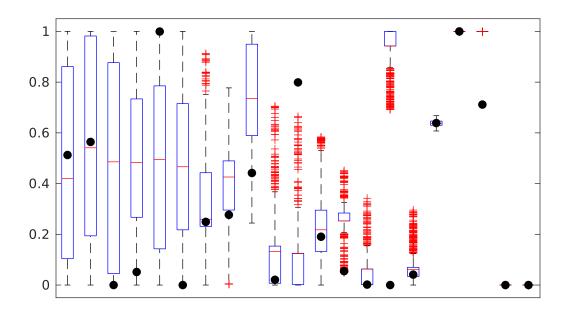
The extension to be validated consists of the time series from the data73 to the 94. The status of the validation is: COMPLETED.

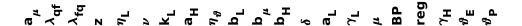
The number of estimations needed to perform the validation was 1000.

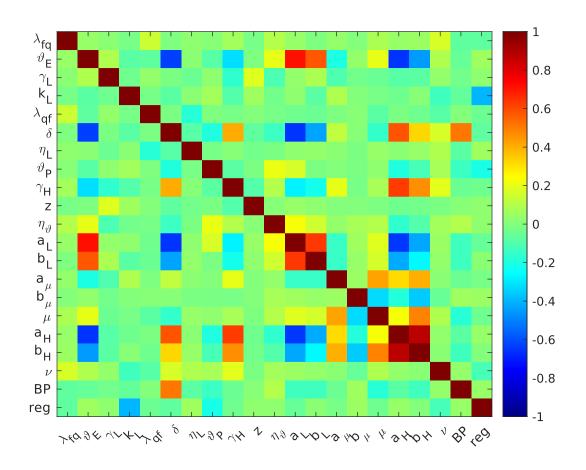
3.2. Estimated parameters with their intervals

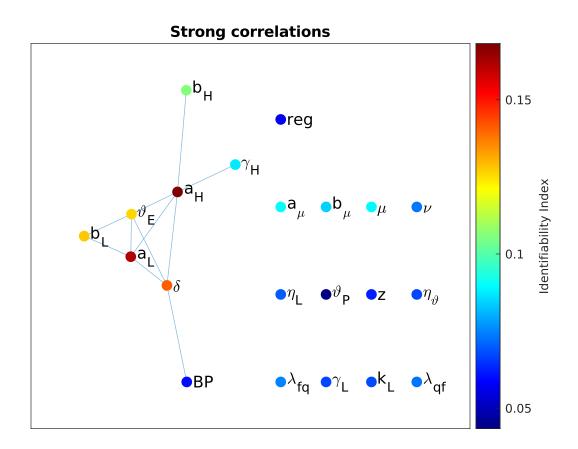
It was necessary to fix 0 parameters of 11 that could be fixed to complete validation.

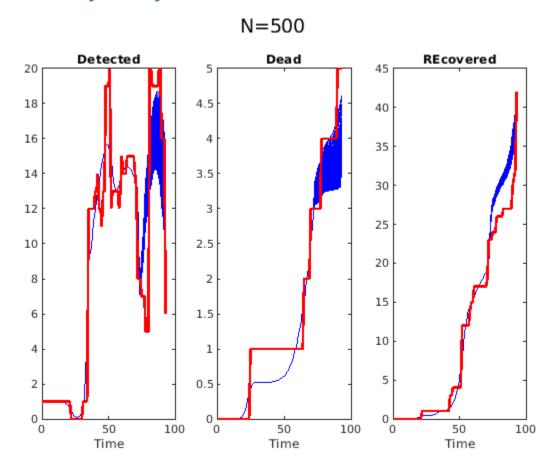
1t was necessary to	Rar		Nominal	Mejor	Index
\lambda_{fq}	'0.4467'	'0.525'	'0.4858'	'0'	'0.075'
\vartheta_E	'0'	'0.0015'	'0'	'0'	'0.1263'
\gamma_L	'0.9134'	'0.9716'	'0.9425'	'0'	'0.0677'
k_L	'3.0794'	'3.591'	'3.3352'	'3.2414'	'0.0681'
\lambda_{qf}	'0.5022'	'0.5802'	'0.5412'	'0.5642'	'0.0728'
\delta	'0.0358'	'0.0401'	'0.038'	'0.0082'	'0.1411'
\eta_L	'0.4596'	'0.5308'	'0.4952'	'0.9995'	'0.07'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0434'
\gamma_H	'0.9793'	'1'	'0.9998'	'0.7115'	'0.0876'
Z	'13.5535'	'15.4084'	'14.4809'	'1.5453'	'0.0625'
\eta_\vartheta	'0.7155'	'0.7567'	'0.7361'	'0.4418'	'0.0676'
a_L	'1.3848'	'2.3871'	'1.886'	'1.0248'	'0.1618'
b_L	'2.3194'	'3.4029'	'2.8612'	'1.2905'	'0.1282'
a_\mu	'6.3411'	'7.4171'	'6.8791'	'8.1775'	'0.0903
b_\mu	'2.1307'	'3.3725'	'2.7516'	'12.1861'	'0.0847'
\mu	'0.0306'	'0.0922'	'0.0614'	'0.0412'	'0.0897'
a_H	'6.6526'	'7.2742'	'6.9634'	'4.8748'	'0.1682'
b_H	'3.8354'	'4.2653'	'4.0504'	'3.667'	'0.1063'
\nu	'217.5787'	'248.8267'	'233.2027'	'0'	'0.0736'
BP	'72.873'	'73.0862'	'72.9796'	'73.0404'	'0.0603'
reg	'0.2415'	'0.25'	'0.2499'	'0.25'	'0.0574'











Chapter 4. Extension number 4

4.1. Basic information

The extension to be validated consists of the time series from the data94 to the 126. The status of the validation is: COMPLETED.

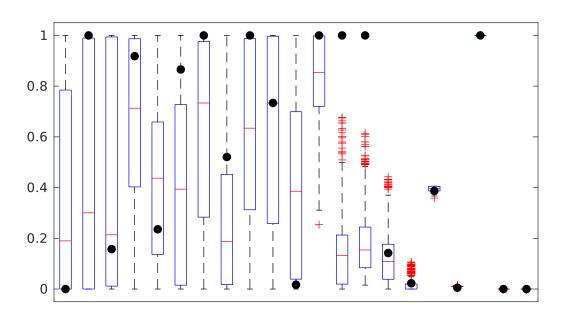
The number of estimations needed to perform the validation was 1000.

4.2. Estimated parameters with their intervals

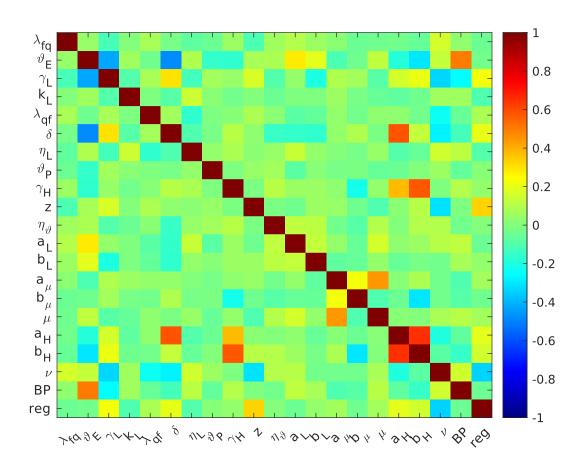
It was necessary to fix 0 parameters of 11 that could be fixed to complete validation.

Due to a deviation from the median the CSB method was activated to obtain the

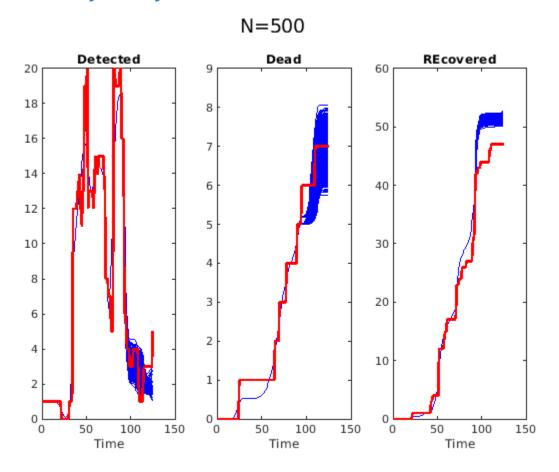
parameter interva	Rar	ngo	Nominal	Mejor	Index
\lambda_{fq}	'0'	'0.0001'	'0.1899'	'0.0001'	'0.083'
\vartheta_E	'0.0051'	'0.007'	'0.0095'	'0.0053'	'0.0778'
\gamma_L	'0.5855'	'1'	'0.3005'	'1'	'0.11'
k_L	'2.5614'	'7.682'	'4.9335'	'3.1198'	'0.071'
\lambda_{qf}	'0.38'	'0.76'	'0.7333'	'0.7337'	'0.0815'
\delta	'0'	'0'	'0'	'0'	'0.0735'
\eta_L	'0.3719'	'0.942'	'0.3939'	'0.8659'	'0.0851'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0334'
\gamma_H	'0.9201'	'1'	'1'	'1'	'0.0706'
z	'22.5386'	'30'	'19.0299'	'29.9992'	'0.0818'
\eta_\vartheta	'0.6887'	'1'	'0.8542'	'0.9999'	'0.0591'
a_L	'8.1454'	'15'	'3.6248'	'8.2893'	'0.0799'
b_L	'1'	'1.6776'	'1.2761'	'1.3195'	'0.0661'
a_\mu	'13.6133'	'15'	'2.8644'	'14.9996'	'0.0724'
b_\mu	'1.2057'	'3.7997'	'3.9938'	'3.2046'	'0.0903'
\mu	'0.6553'	'1'	'0.1544'	'1'	'0.0777'
a_H	'2.7276'	'3.6923'	'2.5145'	'2.9886'	'0.0978'
b_H	'13.3117'	'15'	'11.2695'	'14.9998'	'0.125'
\nu	'8.3849'	'46.4683'	'192.7668'	'8.5988'	'0.0957'
BP	'93.285'	'94.1175'	'94.0061'	'93.5'	'0.0634'
reg	'0.0772'	'0.2487'	'0.1783'	'0.2296'	'0.09'







| 0.12 | 0.12 | 0.11 | 0.09 | 0.07 | 0.07 | 0.06 | 0.05 | 0.04 | 0.04 | 0.04 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 | 0.05 |



Chapter 5. Extension number 5

5.1. Basic information

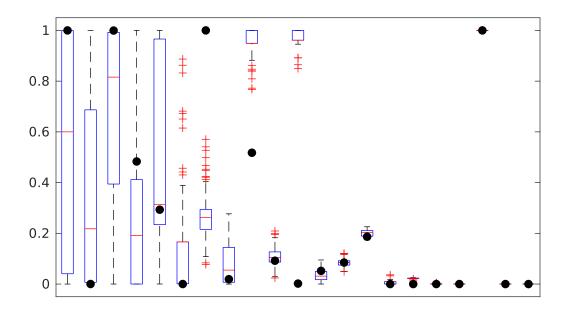
The extension to be validated consists of the time series from the data126 to the 229. The status of the validation is: COMPLETED.

The number of estimations needed to perform the validation was 1000.

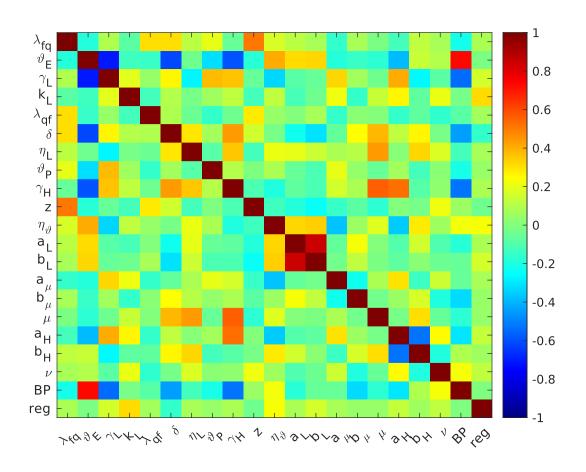
5.2. Estimated parameters with their intervals

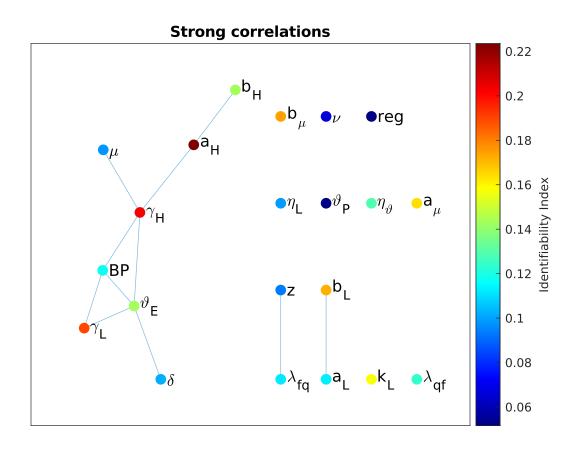
It was necessary to fix 0 parameters of 11 that could be fixed to complete validation.

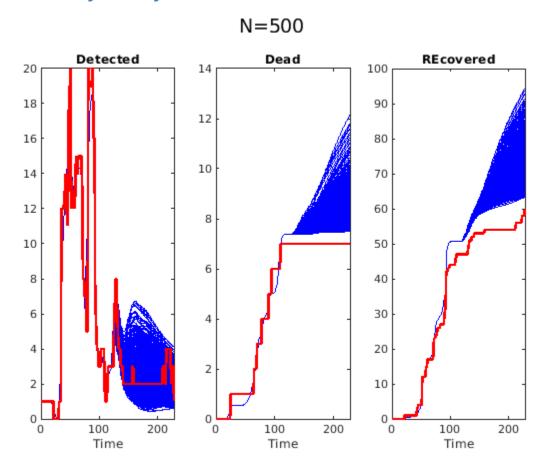
it was necessary to	Rango		Nominal	Mejor	Index
\		_			
\lambda_{fq}	'0'	'0.0804'	'0.0001'	'0'	'0.1122'
\vartheta_E	'0.0193'	'0.025'	'0.0221'	'0'	'0.1434'
\gamma_L	'0.177'	'0.3492'	'0.2631'	'1'	'0.1896'
k_L	'7.4071'	'9.2786'	'8.3429'	'9.9952'	'0.1582'
\lambda_{qf}	'0.8473'	'1'	'0.9613'	'0.0018'	'0.1244'
\delta	'0.0029'	'0.0065'	'0.0047'	'0.0078'	'0.1021'
\eta_L	'0'	'0.0742'	'0.0012'	'0'	'0.0992'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0516'
\gamma_H	'0.1134'	'0.2681'	'0.1907'	'0.4833'	'0.203'
z	'2.4011'	'3.8806'	'3.1408'	'2.7589'	'0.0935'
\eta_\vartheta	'0.8877'	'1'	'0.9492'	'0.5177'	'0.1291'
a_L	'1.2512'	'2.288'	'1.7696'	'1.2698'	'0.1134'
b_L	'4.0054'	'6.7736'	'5.3895'	'5.1051'	'0.1721'
a_\mu	'2.6059'	'5.4936'	'4.0498'	'1.0022'	'0.1643'
b_\mu	'1.6235'	'5.0369'	'3.3302'	'1.0008'	'0.1747'
\mu	'0'	'0.0562'	'0'	'0'	'0.098'
a_H	'7.6307'	'11.171'	'9.4009'	'14.9999'	'0.2235'
b_H	'1'	'2.8723'	'1.1325'	'1'	'0.1432'
\nu	'35.9719'	'49.3759'	'42.6739'	'42.4215'	'0.0664'
BP	'120.969'	'122.0292'	'121.4991'	'119.2034'	'0.1178'
reg	'0.2474'	'0.25'	'0.25'	'0.25'	'0.0527'











Chapter 6. Extension number 6

6.1. Basic information

The extension to be validated consists of the time series from the data229 to the 270. The status of the validation is: COMPLETED.

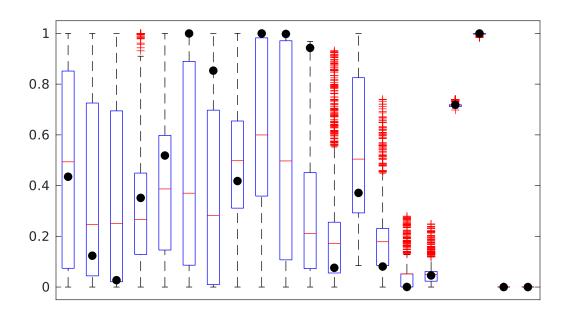
The number of estimations needed to perform the validation was 1000.

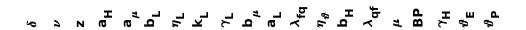
6.2. Estimated parameters with their intervals

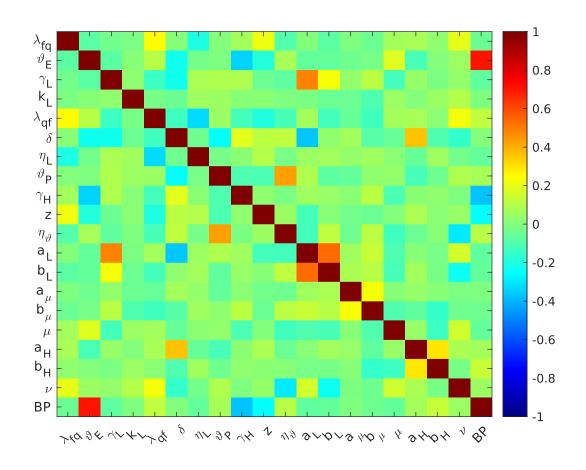
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

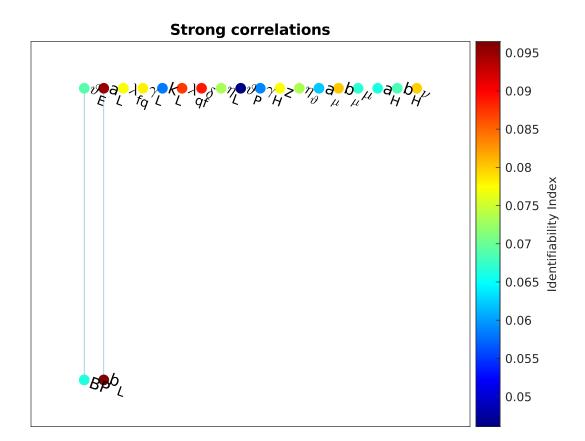
Due to a deviation from the median the CSB method was activated to obtain the

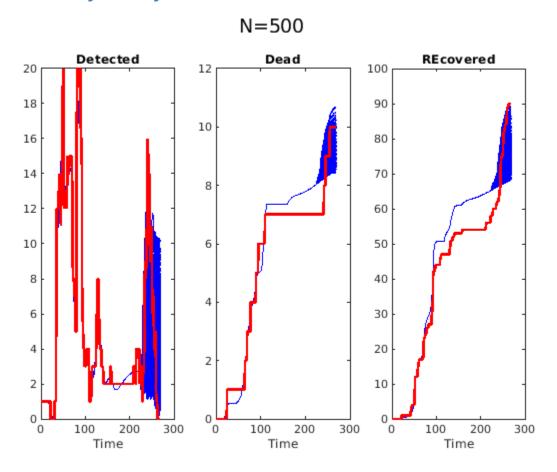
	Ra	ngo	Nominal	Mejor	Index
\lambda_{fq}	'0.0424'	'0.3585'	'0.1714'	'0.0759'	'0.0773'
\vartheta_E	'0'	'0'	'0.0001'	'0'	'0.0691'
\gamma_L	'0.8923'	'1'	'0.5997'	'0.9999'	'0.0781'
k_L	'2.565'	'5.5697'	'5.483'	'4.7619'	'0.0583'
\lambda_{qf}	'0.0002'	'0.0006'	'0.052'	'0.0004'	'0.0873'
\delta	'0.0429'	'0.0672'	'0.0741'	'0.0653'	'0.0889'
\eta_L	'0.3413'	'0.8821'	'0.2828'	'0.8532'	'0.0732'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0461'
\gamma_H	'0.7163'	'1'	'0.9969'	'0.9998'	'0.0589'
z	'0.4931'	'1.372'	'7.5054'	'0.812'	'0.0773'
\eta_\vartheta	'0.3684'	'0.4185'	'0.5045'	'0.3712'	'0.0734'
a_L	'12.4083'	'14.2456'	'3.953'	'14.2004'	'0.095'
b_L	'13.7339'	'15'	'6.1804'	'14.9975'	'0.0965'
a_\mu	'2.8949'	'10.8818'	'6.4166'	'8.2593'	'0.0621'
b_\mu	'11.1511'	'15'	'7.961'	'14.9705'	'0.0802'
\mu	'0.0359'	'0.0693'	'0.0489'	'0.0456'	'0.0671'
a_H	'1.7373'	'8.0452'	'4.7254'	'5.9213'	'0.0663'
b_H	'1.9276'	'5.7549'	'3.5034'	'2.1341'	'0.0685'
\nu	'56.3292'	'265.2353'	'123.6382'	'61.7928'	'0.0799'
ВР	'224.5'	'270'	'229.2825'	'229.4934'	'0.0665'











Chapter 7. Extension number7

7.1. Basic information

The extension to be validated consists of the time series from the data270 to the 287. The status of the validation is: COMPLETED.

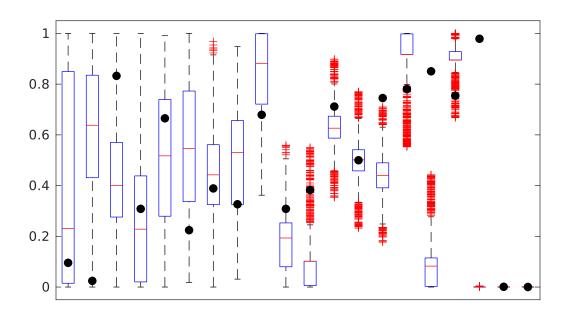
The number of estimations needed to perform the validation was 1000.

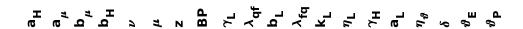
7.2. Estimated parameters with their intervals

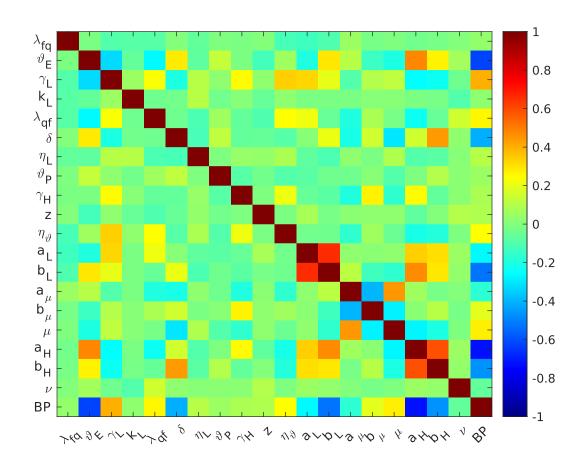
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

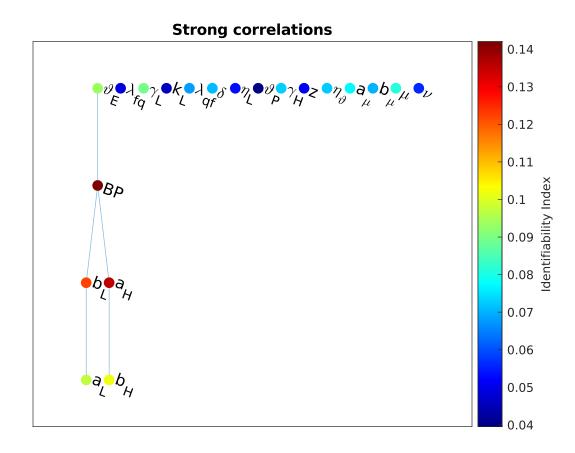
Due to a deviation from the median the CSB method was activated to obtain the

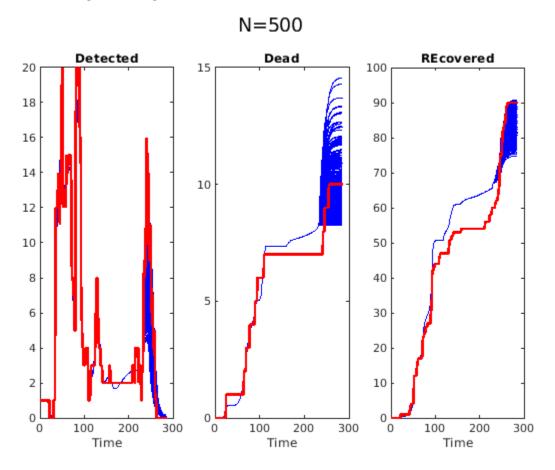
parameter interva	Rar	ngo	Nominal	Mejor	Index
\lambda_{fq}	'0.493'	'1'	'0.6263'	'0.7117'	'0.0491'
\vartheta_E	'0.0001'	'0.0019'	'0.0004'	'0.001'	'0.0933'
\gamma_L	'0.547'	'0.9006'	'0.8822'	'0.6792'	'0.0893'
k_L	'1'	'8.7164'	'5.5119'	'5.5001'	'0.0456'
\lambda_{qf}	'0.0062'	'0.3113'	'0.1934'	'0.3083'	'0.0683'
\delta	'0.025'	'0.15'	'0.0001'	'0.1468'	'0.0709'
\eta_L	'0.023'	'0.8767'	'0.44'	'0.7453'	'0.0535'
\vartheta_P	'0.0003'	'0.0004'	'0'	'0.0003'	'0.0395'
\gamma_H	'0.3583'	'0.942'	'0.9174'	'0.7806'	'0.073'
z	'0.5905'	'22.44'	'13.2711'	'11.6647'	'0.051'
\eta_\vartheta	'0.7342'	'0.7891'	'0.8949'	'0.7544'	'0.0725'
a_L	'10.8898'	'12.9589'	'2.1563'	'12.9088'	'0.0971'
b_L	'5.7105'	'7.3245'	'2.4233'	'6.3521'	'0.122'
a_\mu	'1'	'8.4729'	'9.9309'	'1.3409'	'0.0775'
b_\mu	'2.0325'	'12.7849'	'6.6098'	'12.6572'	'0.0702'
\mu	'0.0173'	'0.3328'	'0.5465'	'0.2242'	'0.0812'
a_H	'2.3067'	'4.6027'	'4.2392'	'2.3366'	'0.1352'
b_H	'3.9003'	'8.2139'	'4.195'	'5.3162'	'0.102'
\nu	'152.6497'	'500'	'258.6597'	'332.6057'	'0.0563'
BP	'233.1121'	'248.9631'	'254.4884'	'244.6699'	'0.142'











Chapter 8. Extension number 8

8.1. Basic information

The extension to be validated consists of the time series from the data287 to the 319. The status of the validation is: COMPLETED.

The number of estimations needed to perform the validation was 1000.

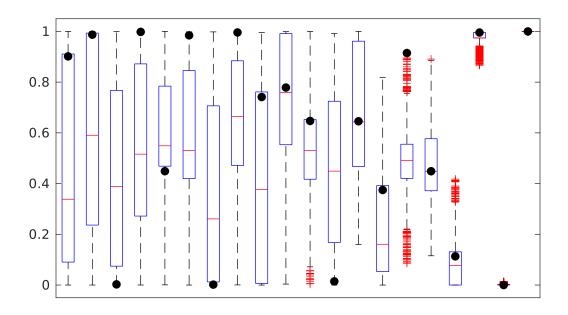
8.2. Estimated parameters with their intervals

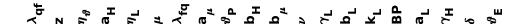
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

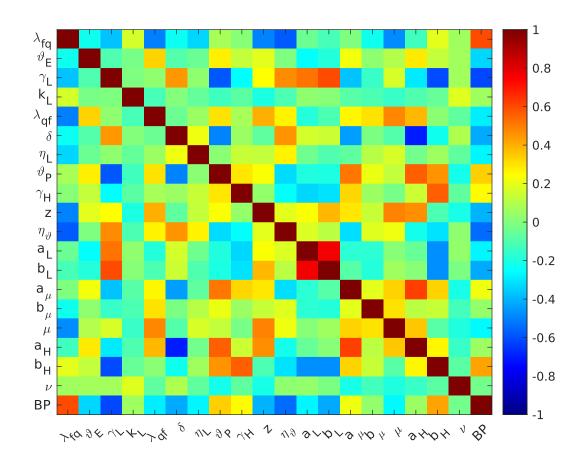
Due to a deviation from the median the CSB method was activated to obtain the

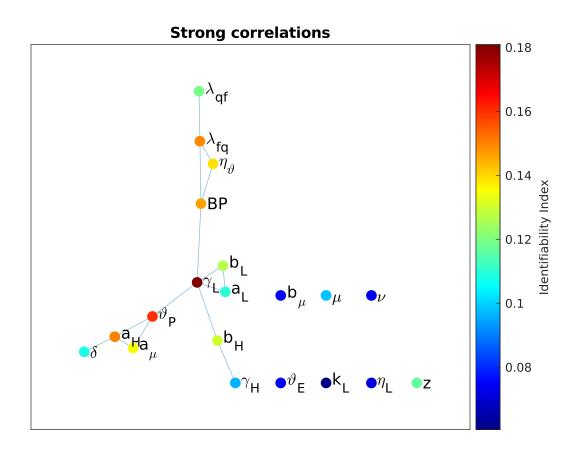
parameter intervals.

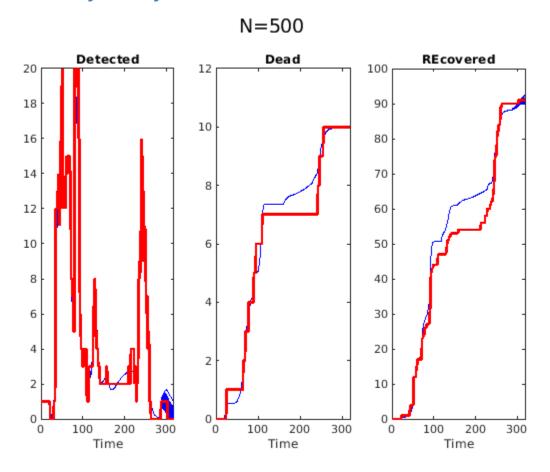
	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0'	'0.004'	'0.2609'	'0.0018'	'0.1497'
\vartheta_E	'0.9037'	'1'	'0.9997'	'1'	'0.0737'
\gamma_L	'0.4609'	'1'	'0.6432'	'0.6457'	'0.1809'
k_L	'1'	'10'	'5.4188'	'9.2333'	'0.0605'
\lambda_{qf}	'0'	'0.96'	'0.3383'	'0.9016'	'0.1195'
\delta	'0'	'0'	'0.0004'	'0'	'0.1082'
\eta_L	'0'	'1'	'0.5491'	'0.4489'	'0.0713'
\vartheta_P	'0.3752'	'1'	'0.3767'	'0.7413'	'0.1597'
\gamma_H	'0'	'1'	'0.9743'	'0.9956'	'0.0963'
Z	'17.086'	'30'	'17.7175'	'29.6145'	'0.1171'
\eta_\vartheta	'0'	'0.006'	'0.3882'	'0.0027'	'0.1386'
a_L	'1.7754'	'4.321'	'2.079'	'2.5848'	'0.1104'
b_L	'4.0111'	'9.4132'	'3.2597'	'6.2465'	'0.1266'
a_\mu	'1'	'15'	'10.3046'	'14.9422'	'0.1345'
b_\mu	'1'	'15'	'8.4218'	'10.0579'	'0.0742'
\mu	'0'	'1'	'0.5309'	'0.9846'	'0.0981'
a_H	'1'	'15'	'8.2242'	'14.9735'	'0.1503'
b_H	'1'	'15'	'11.6208'	'11.9003'	'0.1297'
\nu	'0'	'16.2116'	'224.6015'	'7.2051'	'0.0731'
ВР	'286.5023'	'287.6267'	'287.5'	'287.5'	'0.1464'











Chapter 9. Extension number 9

9.1. Basic information

The extension to be validated consists of the time series from the data319 to the 370. The status of the validation is: COMPLETED.

The number of estimations needed to perform the validation was 1000.

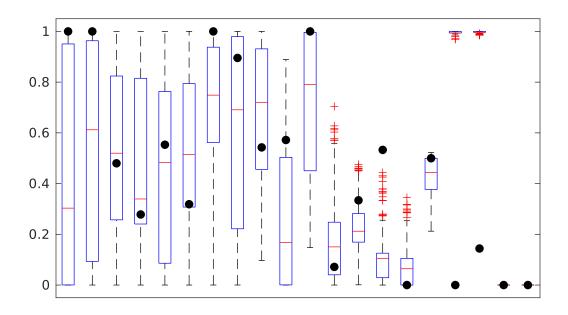
9.2. Estimated parameters with their intervals

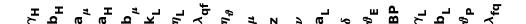
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

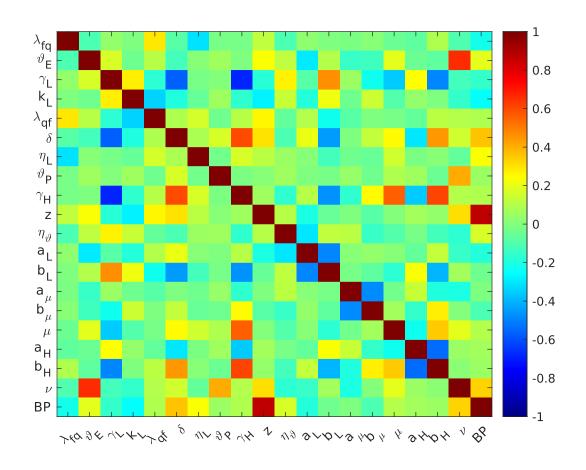
Due to a deviation from the median the CSB method was activated to obtain the

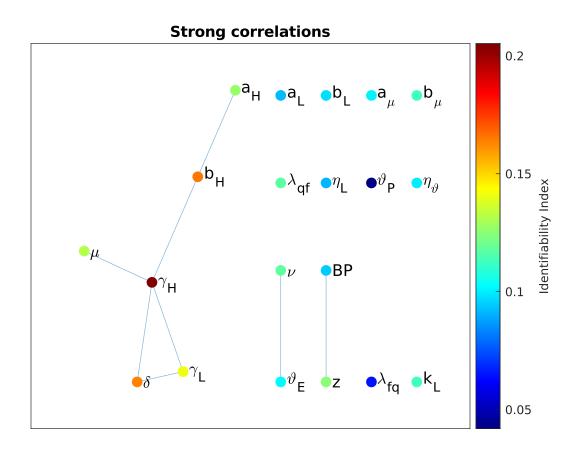
parameter intervals.

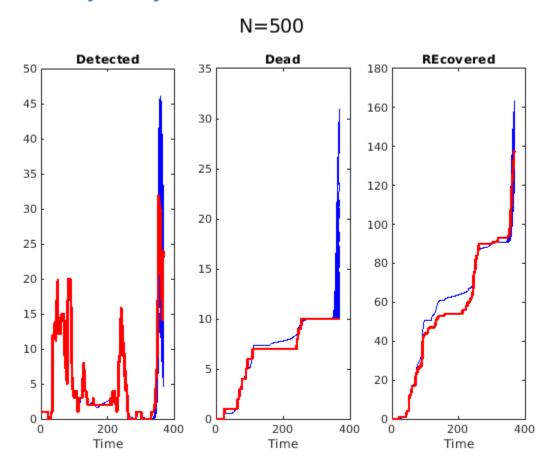
	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0'	'0'	'0'	'0'	'0.0652'
\vartheta_E	'0'	'0'	'0.0643'	'0'	'0.1021'
\gamma_L	'0'	'0'	'0.9939'	'0'	'0.1412'
k_L	'1'	'9.55'	'5.6368'	'3.8676'	'0.113'
\lambda_{qf}	'0.02'	'1'	'0.6909'	'0.8954'	'0.1177'
\delta	'0.0695'	'0.1013'	'0.0158'	'0.0799'	'0.1634'
\eta_L	'0.1468'	'1'	'0.7488'	'1'	'0.0914'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0419'
\gamma_H	'0.3546'	'1'	'0.3032'	'1'	'0.2052'
Z	'23.3128'	'30'	'23.7249'	'30'	'0.125'
\eta_\vartheta	'0.525'	'0.9147'	'0.7205'	'0.5427'	'0.1004'
a_L	'1.7'	'15'	'3.9708'	'5.6775'	'0.092'
b_L	'1.2394'	'12.97'	'14.9509'	'3.0166'	'0.0977'
a_\mu	'7.2279'	'13.5614'	'8.2775'	'7.7206'	'0.1008'
b_\mu	'1'	'12.4912'	'7.7734'	'8.7454'	'0.1131'
\mu	'0.0238'	'0.95'	'0.1678'	'0.5719'	'0.1317'
a_H	'4.3262'	'6.1439'	'5.752'	'4.8956'	'0.1268'
b_H	'8.3181'	'15'	'9.5709'	'14.9999'	'0.1653'
\nu	'34.9682'	'54.594'	'75.2461'	'35.7779'	'0.1182'
ВР	'321.5326'	'323.5285'	'319.365'	'323.5'	'0.0946'











Chapter 10. Extension number 10

10.1. Basic information

The extension to be validated consists of the time series from the data370 to the 391. The status of the validation is: COMPLETED.

The number of estimations needed to perform the validation was 1000.

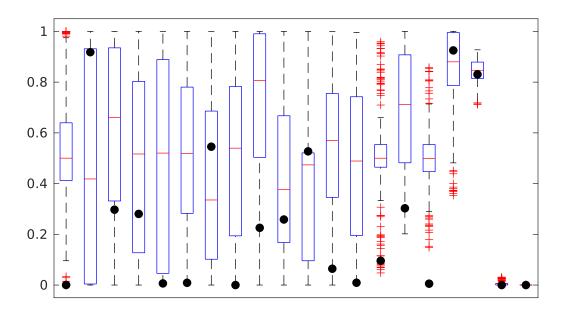
10.2. Estimated parameters with their intervals

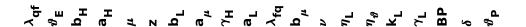
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

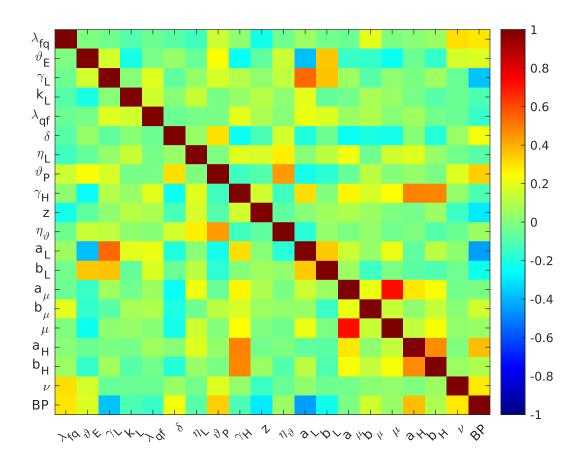
Due to a deviation from the median the CSB method was activated to obtain the

parameter intervals.

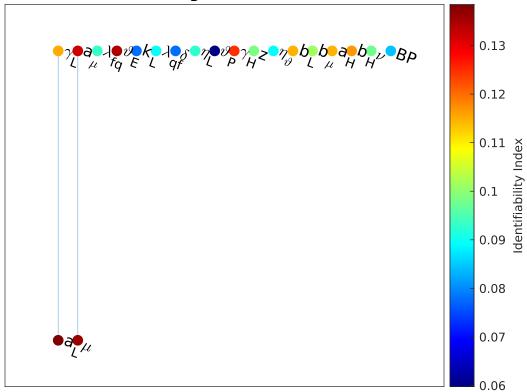
parameter interva	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0'	'1'	'0.4738'	'0.5271'	'0.0933'
\vartheta_E	'0.5889'	'1'	'0.4183'	'0.9182'	'0.1346'
\gamma_L	'0.3481'	'0.9651'	'0.8801'	'0.9251'	'0.1152'
k_L	'1'	'10'	'5.487'	'1.0487'	'0.0781'
\lambda_{qf}	'0'	'0.0006'	'0.5002'	'0.0003'	'0.0897'
\delta	'0'	'0'	'0.0009'	'0'	'0.0781'
\eta_L	'0'	'0.2152'	'0.5001'	'0.0957'	'0.0929'
\vartheta_P	'0'	'0'	'0.0001'	'0'	'0.0598'
\gamma_H	'0'	'0.5076'	'0.8064'	'0.2256'	'0.1248'
Z	'0'	'0.5971'	'15.5503'	'0.2654'	'0.0987'
\eta_\vartheta	'0.2026'	'1'	'0.7115'	'0.3026'	'0.0894'
a_L	'1'	'7.3596'	'6.264'	'4.6178'	'0.1384'
b_L	'7.7884'	'15'	'5.6961'	'8.6364'	'0.1146'
a_\mu	'1'	'15'	'8.5559'	'1'	'0.1321'
b_\mu	'1'	'15'	'8.9739'	'1.9013'	'0.1013'
\mu	'0'	'0.0145'	'0.5202'	'0.0065'	'0.1361'
a_H	'1'	'15'	'8.2346'	'4.9267'	'0.1146'
b_H	'1'	'15'	'10.2397'	'5.16'	'0.1167'
\nu	'0.9605'	'500'	'244.4856'	'4.5577'	'0.0978'
BP	'369.4288'	'373.75'	'371.5'	'370.5003'	'0.0845'

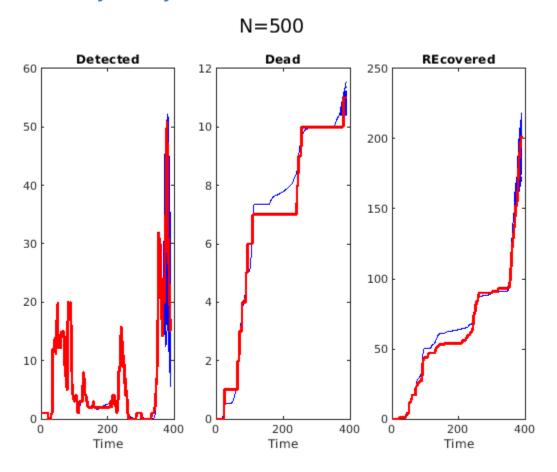






Strong correlations





Chapter 11. Extension number 11

11.1. Basic information

The extension to be validated consists of the time series from the data391 to the 403. The status of the validation is: COMPLETED.

The number of estimations needed to perform the validation was 1000.

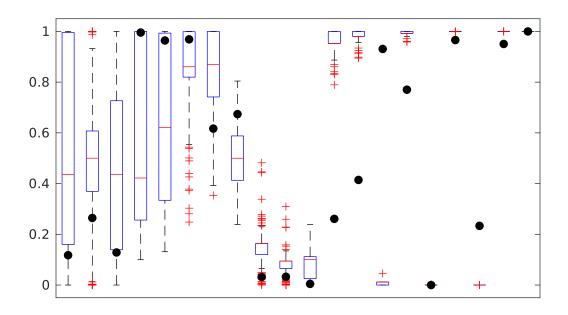
11.2. Estimated parameters with their intervals

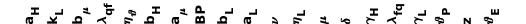
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

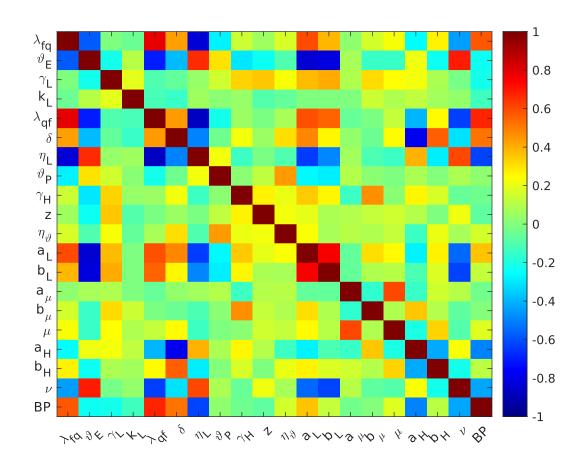
Due to a deviation from the median the CSB method was activated to obtain the

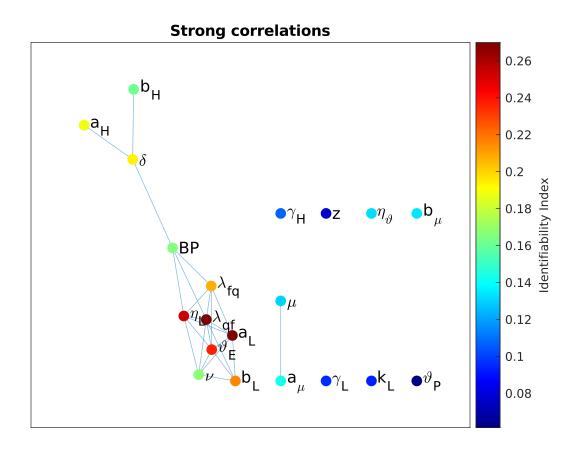
parameter intervals.

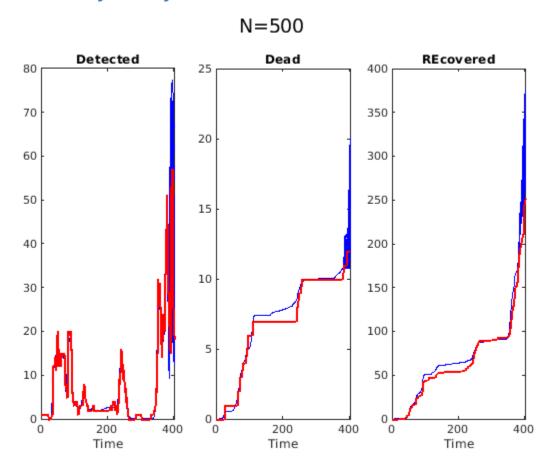
parameter interva	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0'	'0'	'0.0003'	'0'	'0.2078'
\vartheta_E	'0.9568'	'1'	'1'	'0.9999'	'0.2369'
\gamma_L	'0.813'	'0.978'	'0.9998'	'0.9659'	'0.0963'
k_L	'1'	'10'	'5.5014'	'3.3805'	'0.0939'
\lambda_{qf}	'0.8768'	'1'	'0.4221'	'0.9955'	'0.2699'
\delta	'0.046'	'0.1458'	'0.0018'	'0.1396'	'0.1937'
\eta_L	'0.2161'	'0.9258'	'0.9525'	'0.261'	'0.2542'
\vartheta_P	'0.19'	'0.3358'	'0.0001'	'0.2335'	'0.0614'
\gamma_H	'0.02'	'0.9608'	'0.992'	'0.7703'	'0.1074'
z	'20.5604'	'29.4254'	'29.9989'	'28.5155'	'0.076'
\eta_\vartheta	'0.6753'	'0.9809'	'0.621'	'0.9642'	'0.1329'
a_L	'1.1588'	'1.9846'	'2.3202'	'1.4577'	'0.2698'
b_L	'1.3957'	'1.5465'	'3.2983'	'1.4426'	'0.2161'
a_\mu	'4.6485'	'14.5758'	'13.1711'	'9.6362'	'0.1433'
b_\mu	'1'	'14.44'	'7.1128'	'2.7987'	'0.1343'
\mu	'0'	'0.7973'	'0.9804'	'0.4144'	'0.1305'
a_H	'1'	'13.768'	'7.1026'	'2.6482'	'0.1884'
b_H	'2.0325'	'15'	'13.0484'	'14.5627'	'0.162'
\nu	'0.2579'	'4.7741'	'50.0256'	'2.2926'	'0.1676'
BP	'384.2263'	'385.6441'	'381.5'	'385.5'	'0.1658'











Chapter 12. Extension number 12

12.1. Basic information

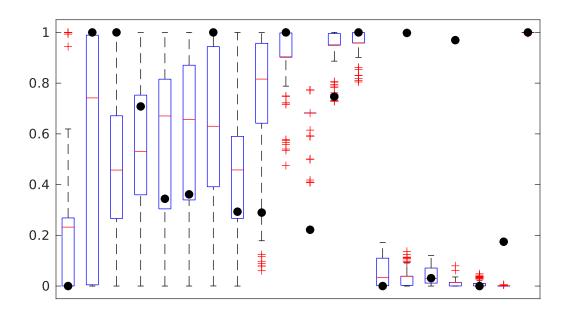
The extension to be validated consists of the time series from the data403 to the 412. The status of the validation is: COMPLETED.

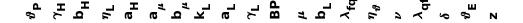
The number of estimations needed to perform the validation was 1000.

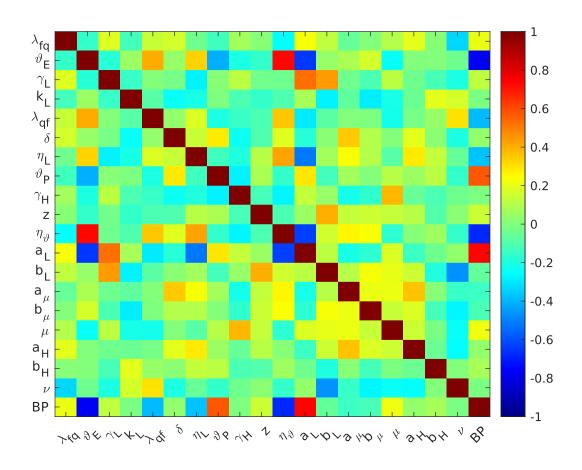
12.2. Estimated parameters with their intervals

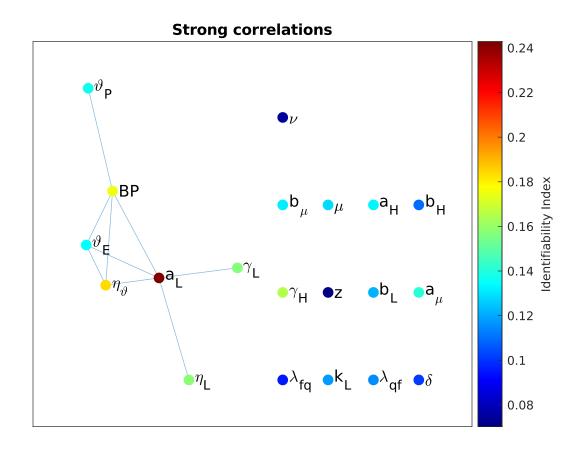
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

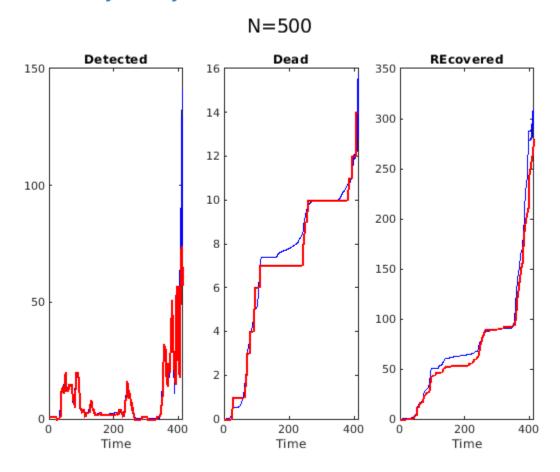
t was necessary to fix o parameters of To t					
	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0'	'0.0786'	'0.0332'	'0'	'0.0955'
\vartheta_E	'0'	'0.0285'	'0.0011'	'0.1747'	'0.1348'
\gamma_L	'0.8161'	'0.9881'	'0.9021'	'1'	'0.1572'
k_L	'4.5657'	'5.6743'	'5.12'	'3.6388'	'0.118'
\lambda_{qf}	'0'	'0.1051'	'0.0147'	'0.9695'	'0.1149'
\delta	'0'	'0.0136'	'0.0015'	'0'	'0.1018'
\eta_L	'0.4588'	'0.6036'	'0.5312'	'0.7082'	'0.1582'
\vartheta_P	'0.1723'	'0.2924'	'0.2323'	'0'	'0.1371'
\gamma_H	'0.6372'	'0.8464'	'0.7418'	'1'	'0.1651'
z	'28.9142'	'30'	'29.9793'	'30'	'0.0703'
\eta_\vartheta	'0'	'0.1185'	'0.0388'	'0.998'	'0.1836'
a_L	'11.1481'	'13.6843'	'12.4162'	'5.055'	'0.2428'
b_L	'13.4383'	'15'	'14.4164'	'15'	'0.1218'
a_\mu	'9.0657'	'11.3255'	'10.1956'	'6.0615'	'0.1416'
b_\mu	'8.8045'	'10.8357'	'9.8201'	'15'	'0.1316'
\mu	'0.8699'	'1'	'0.9494'	'0.7468'	'0.1284'
a_H	'9.2731'	'11.5039'	'10.3885'	'5.8173'	'0.1335'
b_H	'6.4562'	'8.3479'	'7.402'	'15'	'0.1097'
\nu	'9.5735'	'21.0608'	'15.3172'	'15.5496'	'0.0746'
ВР	'398.0478'	'398.9522'	'398.5'	'393.441'	'0.1748'











Chapter 13. Extension number 13

13.1. Basic information

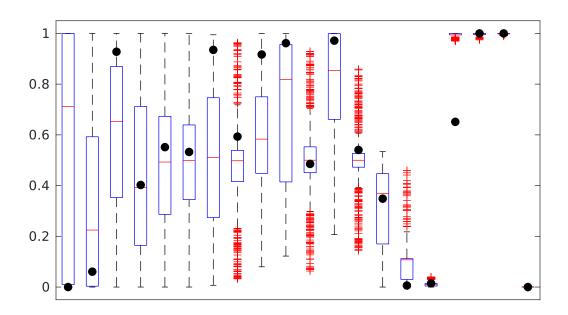
The extension to be validated consists of the time series from the data412 to the 419. The status of the validation is: COMPLETED.

The number of estimations needed to perform the validation was 1000.

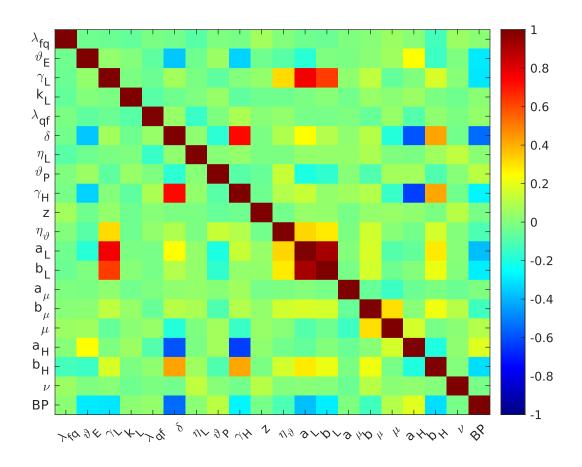
13.2. Estimated parameters with their intervals

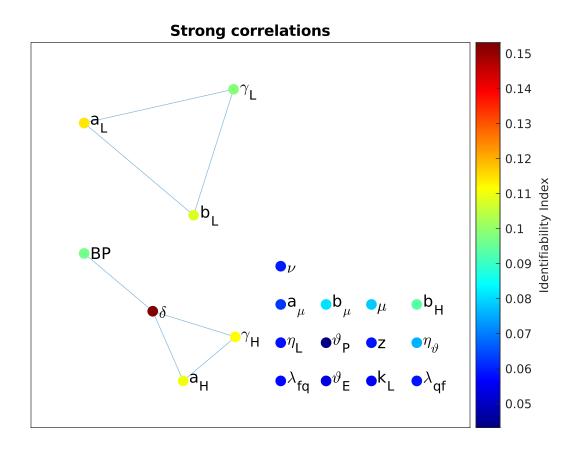
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

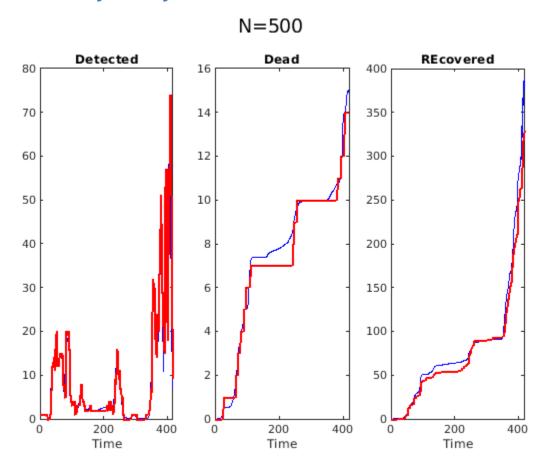
	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0.4766'	'0.5235'	'0.5001'	'0.4854'	'0.0574'
\vartheta_E	'0.0063'	'0.0129'	'0.0096'	'0.0147'	'0.0532'
\gamma_L	'0.9702'	'1'	'0.9982'	'1'	'0.099'
k_L	'5.2804'	'5.7031'	'5.4918'	'5.794'	'0.056'
\lambda_{qf}	'0.4744'	'0.5216'	'0.498'	'0.5933'	'0.0588'
\delta	'0.1003'	'0.1132'	'0.1068'	'0'	'0.1531'
\eta_L	'0.4764'	'0.5233'	'0.4998'	'0.5405'	'0.0582'
\vartheta_P	'0'	'0.0002'	'0'	'0'	'0.0432'
\gamma_H	'0.96'	'1'	'0.9943'	'0.6513'	'0.1115'
Z	'14.0282'	'15.5409'	'14.7845'	'16.5475'	'0.0587'
\eta_\vartheta	'0.7907'	'0.8446'	'0.8176'	'0.9616'	'0.076'
a_L	'5.9584'	'6.388'	'6.1732'	'5.8799'	'0.1143'
b_L	'14.4227'	'15'	'14.9335'	'14.9999'	'0.108'
a_\mu	'6.0681'	'6.9363'	'6.5022'	'6.6346'	'0.0627'
b_\mu	'9.6948'	'10.5735'	'10.1342'	'13.9881'	'0.0813'
\mu	'0.1903'	'0.259'	'0.2247'	'0.0606'	'0.0786'
a_H	'2.0899'	'2.9153'	'2.5026'	'1.0846'	'0.1099'
b_H	'12.5034'	'13.4089'	'12.9562'	'14.6012'	'0.0937'
\nu	'242.1164'	'268.4742'	'255.2953'	'467.5076'	'0.0596'
ВР	'406.3827'	'406.6173'	'406.5'	'408.5012'	'0.0965'











Chapter 14. Extension number 14

14.1. Basic information

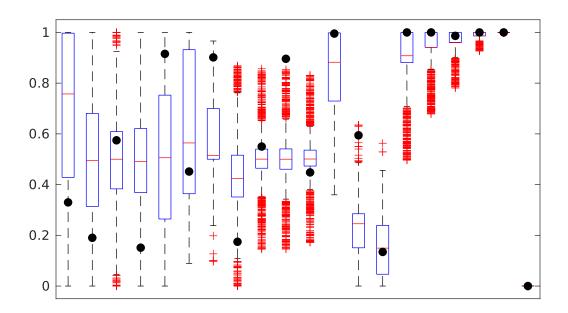
The extension to be validated consists of the time series from the data419 to the 427. The status of the validation is: COMPLETED.

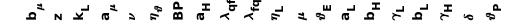
The number of estimations needed to perform the validation was 1000.

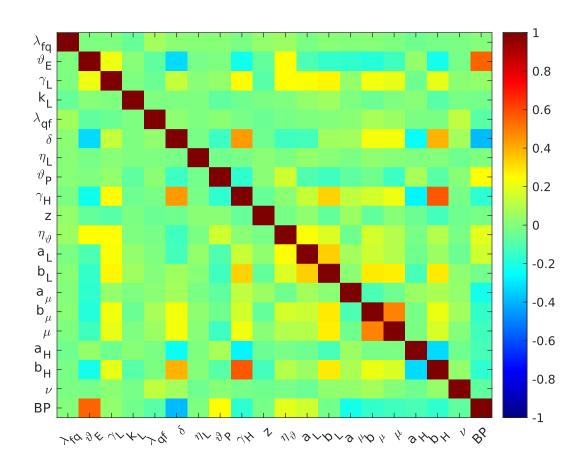
14.2. Estimated parameters with their intervals

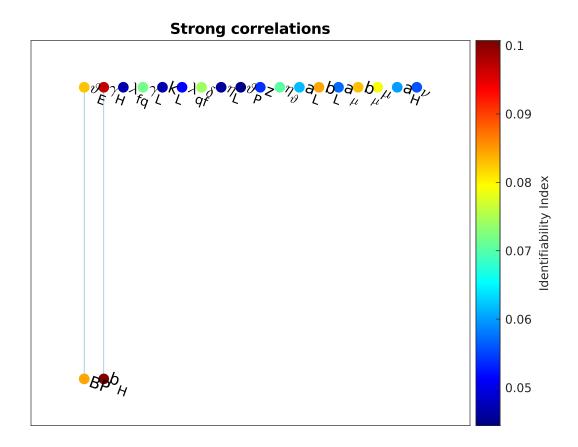
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

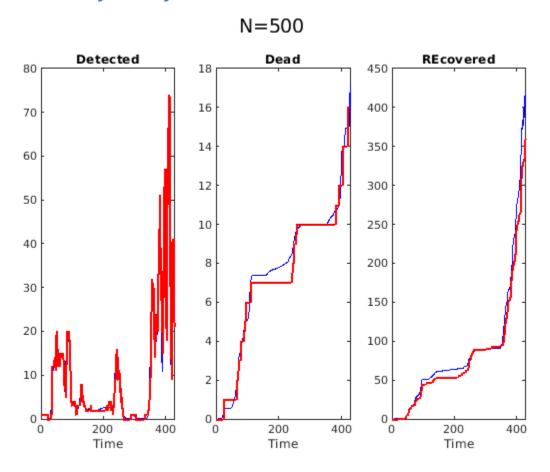
	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0.4832'	'0.517'	'0.5001'	'0.8959'	'0.0467'
\vartheta_E	'0.2342'	'0.257'	'0.2456'	'0.5943'	'0.0829'
\gamma_L	'0.9225'	'0.9594'	'0.9409'	'1'	'0.0718'
k_L	'5.3587'	'5.6436'	'5.5011'	'6.172'	'0.0469'
\lambda_{qf}	'0.4827'	'0.5181'	'0.5004'	'0.55'	'0.0513'
\delta	'0.1467'	'0.15'	'0.15'	'0.15'	'0.0741'
\eta_L	'0.4836'	'0.5182'	'0.5009'	'0.448'	'0.0458'
\vartheta_P	'0'	'0.0014'	'0'	'0'	'0.0444'
\gamma_H	'0.9624'	'1'	'0.9863'	'1'	'0.0969'
z	'14.2924'	'15.4307'	'14.8616'	'5.708'	'0.0539'
\eta_\vartheta	'0.5427'	'0.5859'	'0.5643'	'0.4515'	'0.0706'
a_L	'2.9256'	'3.2631'	'3.0944'	'2.8832'	'0.0617'
b_L	'14.0648'	'14.807'	'14.4359'	'14.8092'	'0.0843'
a_\mu	'7.625'	'8.1191'	'7.8721'	'3.1182'	'0.0572'
b_\mu	'11.2575'	'11.951'	'11.6043'	'5.6188'	'0.083'
\mu	'0.8563'	'0.9077'	'0.882'	'0.9954'	'0.0793'
a_H	'6.701'	'7.171'	'6.936'	'3.4433'	'0.0602'
b_H	'13.3628'	'14.0462'	'13.7045'	'14.9988'	'0.1007'
\nu	'241.7804'	'264.0984'	'252.9394'	'457.7038'	'0.0559'
ВР	'414.5141'	'414.6397'	'414.5769'	'416.5076'	'0.0843'











Chapter 15. Extension number 15

15.1. Basic information

The extension to be validated consists of the time series from the data427 to the 434. The status of the validation is: COMPLETED.

The number of estimations needed to perform the validation was 1000.

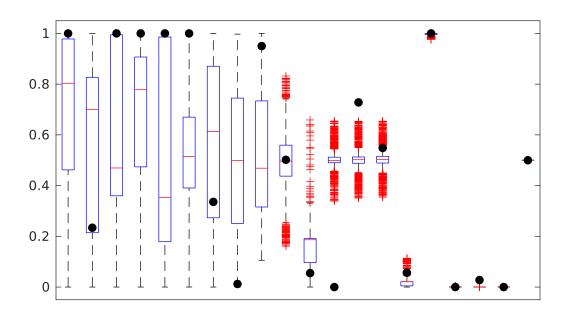
15.2. Estimated parameters with their intervals

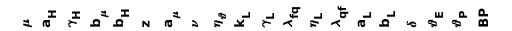
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

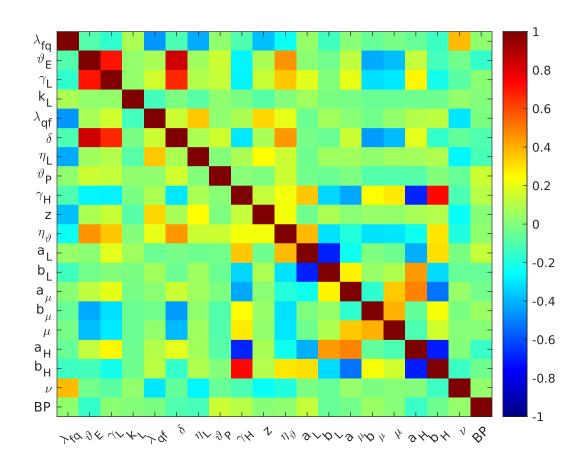
Due to a deviation from the median the CSB method was activated to obtain the

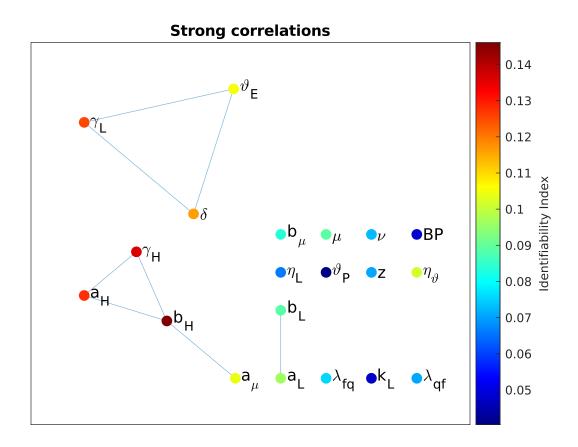
parameter intervals.

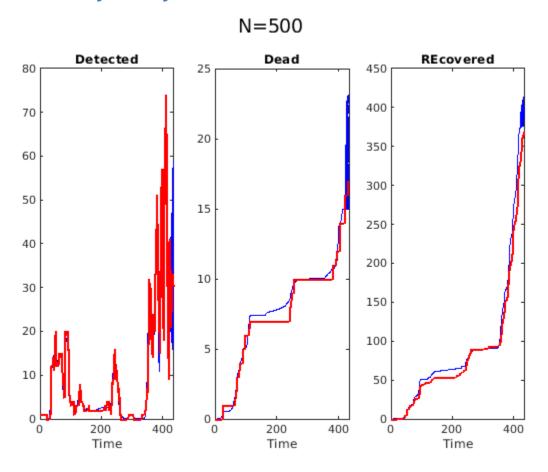
parameter interva	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0'	'0'	'0.499'	'0'	'0.0757'
\vartheta_E	'0.0065'	'0.0559'	'0.0001'	'0.0276'	'0.1055'
\gamma_L	'0'	'0.0879'	'0.1863'	'0.055'	'0.1253'
k_L	'1.225'	'10'	'5.4691'	'5.5158'	'0.0475'
\lambda_{qf}	'0'	'0.96'	'0.5026'	'0.5483'	'0.0709'
\delta	'0'	'0'	'0.0001'	'0'	'0.1163'
\eta_L	'0'	'0.96'	'0.502'	'0.7281'	'0.0662'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0404'
\gamma_H	'0.2973'	'1'	'0.4695'	'1'	'0.1362'
z	'5.7047'	'30'	'15.4459'	'29.9997'	'0.0706'
\eta_\vartheta	'0.2842'	'0.9708'	'0.4686'	'0.9502'	'0.1017'
a_L	'1.1879'	'10.3931'	'1.294'	'1.7951'	'0.0964'
b_L	'1'	'15'	'14.9393'	'14.9999'	'0.089'
a_\mu	'2.9327'	'14.37'	'9.5935'	'5.7009'	'0.1041'
b_\mu	'1'	'15'	'11.8918'	'14.9991'	'0.084'
\mu	'0.1401'	'1'	'0.8034'	'0.9999'	'0.0894'
a_H	'2.5065'	'4.4827'	'10.8031'	'4.2736'	'0.1279'
b_H	'6.3961'	'15'	'5.9476'	'14.9999'	'0.1461'
\nu	'0.9343'	'13.6622'	'249.4805'	'6.0721'	'0.0729'
ВР	'419.5283'	'424'	'421.5'	'421.5'	'0.0485'











Chapter 16. Extension number 16

16.1. Basic information

The extension to be validated consists of the time series from the data434 to the 448. The status of the validation is: COMPLETED.

The number of estimations needed to perform the validation was 1000.

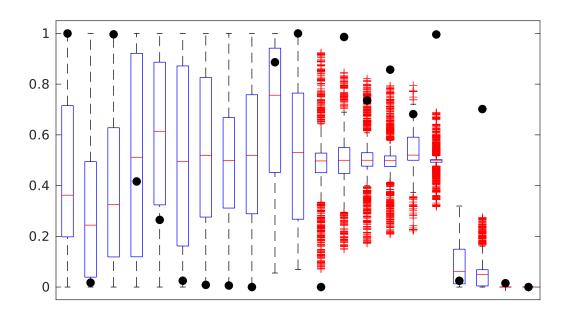
16.2. Estimated parameters with their intervals

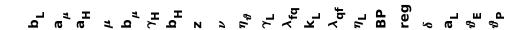
It was necessary to fix 0 parameters of 11 that could be fixed to complete validation.

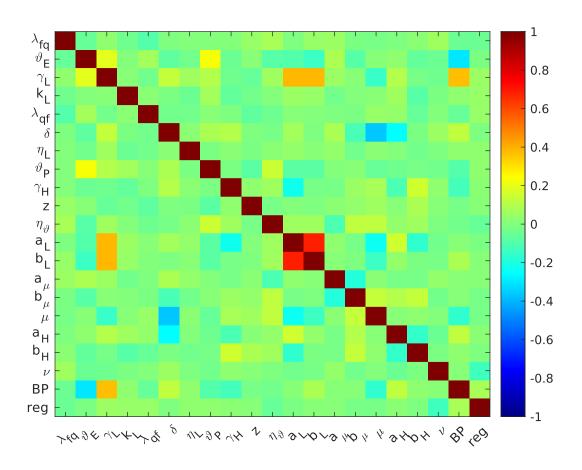
Due to a deviation from the median the CSB method was activated to obtain the

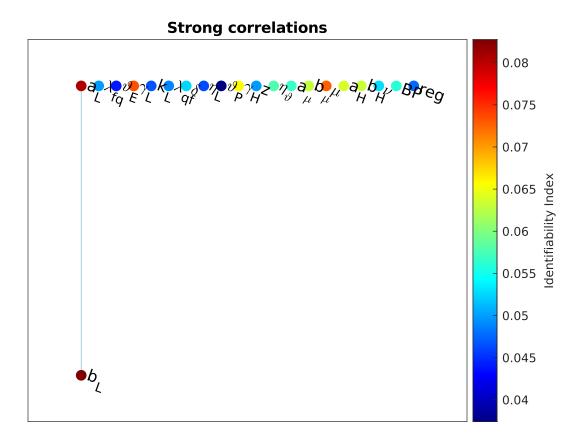
parameter intervals.

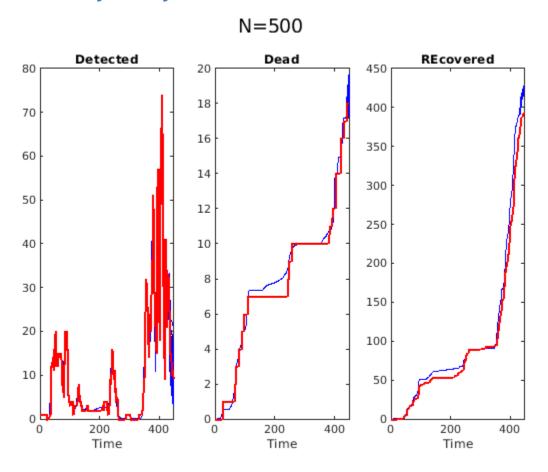
barameter interva	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0'	'0'	'0.4972'	'0'	'0.0499'
\vartheta_E	'0.0068'	'0.023'	'0.0001'	'0.0151'	'0.0441'
\gamma_L	'0.409'	'1'	'0.53'	'1'	'0.0735'
k_L	'1'	'10'	'5.4984'	'9.8727'	'0.0467'
\lambda_{qf}	'0'	'1'	'0.5'	'0.7354'	'0.0489'
\delta	'0'	'0.0083'	'0.0091'	'0.0037'	'0.0525'
\eta_L	'0'	'1'	'0.4998'	'0.857'	'0.0464'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0374'
\gamma_H	'0'	'0.0561'	'0.4956'	'0.0249'	'0.0656'
Z	'0'	'0.4118'	'14.9541'	'0.183'	'0.0499'
\eta_\vartheta	'0.3617'	'1'	'0.7564'	'0.8863'	'0.0579'
a_L	'6.6542'	'10.8316'	'1.7051'	'10.825'	'0.0806'
b_L	'10.2386'	'15'	'6.0696'	'14.9955'	'0.0827'
a_\mu	'1'	'15'	'4.4176'	'1.2425'	'0.0568'
b_\mu	'1'	'15'	'9.5973'	'4.7075'	'0.063'
\mu	'0'	'0.9366'	'0.5117'	'0.4163'	'0.0727'
a_H	'1'	'15'	'5.5516'	'14.9499'	'0.0639'
b_H	'1'	'15'	'8.2615'	'1.1195'	'0.0631'
\nu	'0'	'0.0136'	'259.6923'	'0.006'	'0.0528'
BP	'433.7257'	'434.5983'	'432.7226'	'434.5'	'0.0561'
reg	'0'	'0.25'	'0.125'	'0.249'	'0.0476'











Chapter 17. Extension number 17

17.1. Basic information

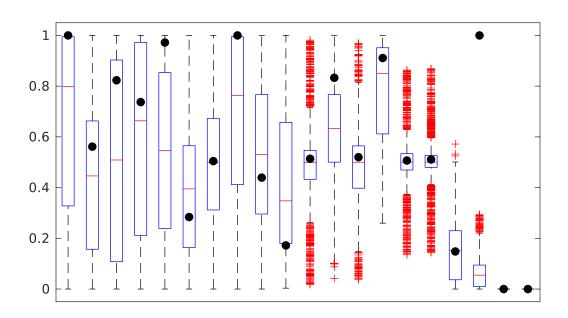
The extension to be validated consists of the time series from the data448 to the 459. The status of the validation is: COMPLETED.

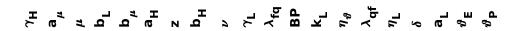
The number of estimations needed to perform the validation was 1000.

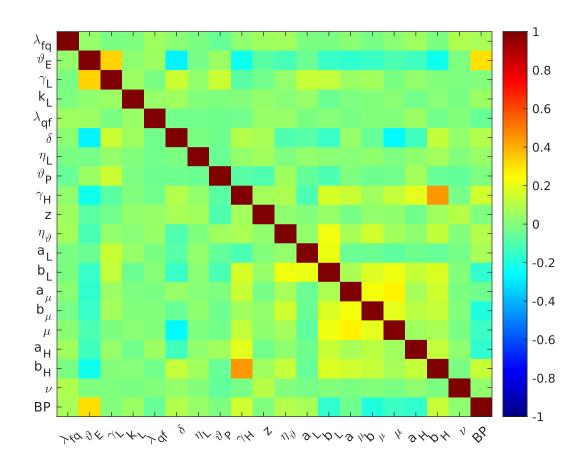
17.2. Estimated parameters with their intervals

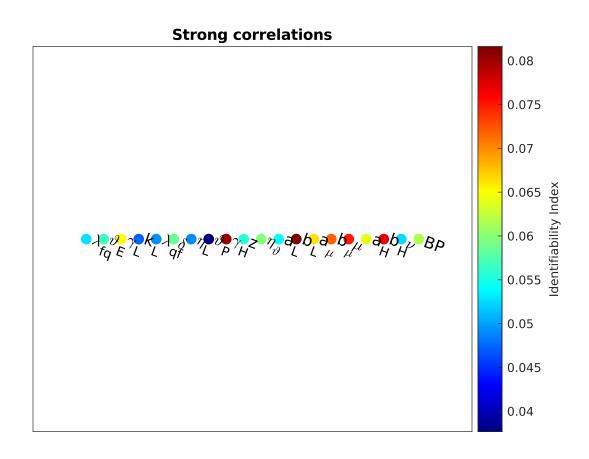
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

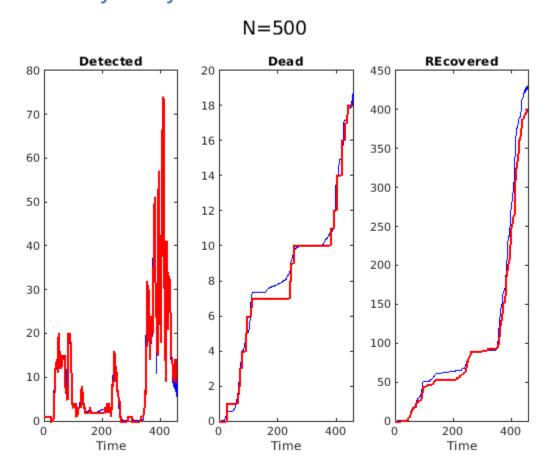
it was necessary to	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0.4799'	'0.5194'	'0.4996'	'0.5137'	'0.0529'
\vartheta E	'0'	'0.0022'	'0.0001'	'0'	'0.0567'
\gamma_L	'0.3238'	'0.3717'	'0.3478'	'0.172'	'0.0653'
k_L	'5.3485'	'5.6515'	'5.5'	'5.6792'	'0.0474'
\lambda_{qf}	'0.4822'	'0.5179'	'0.5001'	'0.5067'	'0.0492'
\delta	'0.0213'	'0.0246'	'0.0229'	'0.0222'	'0.0585'
\eta_L	'0.4826'	'0.5184'	'0.5005'	'0.5108'	'0.0491'
\vartheta_P	'0'	'0.0003'	'0'	'0'	'0.0377'
\gamma_H	'0.7701'	'0.8278'	'0.7989'	'0.9999'	'0.0804'
z	'14.3454'	'15.5294'	'14.9374'	'15.1333'	'0.0559'
\eta_\vartheta	'0.8309'	'0.8676'	'0.8492'	'0.9109'	'0.0598'
a_L	'1.5495'	'1.9816'	'1.7656'	'14.9987'	'0.0541'
b_L	'9.8775'	'10.6958'	'10.2866'	'11.3181'	'0.0816'
a_\mu	'6.9165'	'7.572'	'7.2443'	'8.8604'	'0.0663'
b_\mu	'8.282'	'9.017'	'8.6495'	'14.6067'	'0.072'
\mu	'0.4799'	'0.5378'	'0.5088'	'0.8231'	'0.075'
a_H	'6.2436'	'6.8179'	'6.5308'	'4.9757'	'0.0642'
b_H	'11.3015'	'12.0512'	'11.6764'	'14.9989'	'0.077'
\nu	'254.4135'	'276.2986'	'265.356'	'219.65'	'0.0526'
ВР	'443.2919'	'443.7081'	'443.5'	'446.4948'	'0.0616'











Chapter 18. Extension number 18

18.1. Basic information

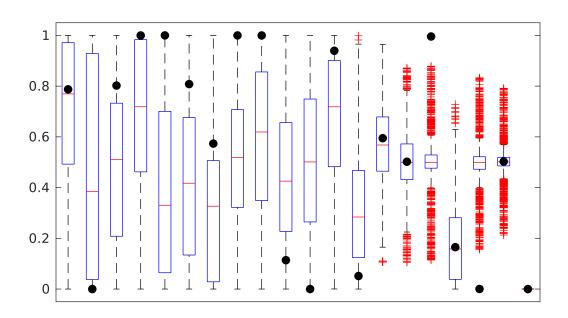
The extension to be validated consists of the time series from the data459 to the 472. The status of the validation is: COMPLETED.

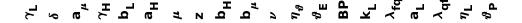
The number of estimations needed to perform the validation was 1000.

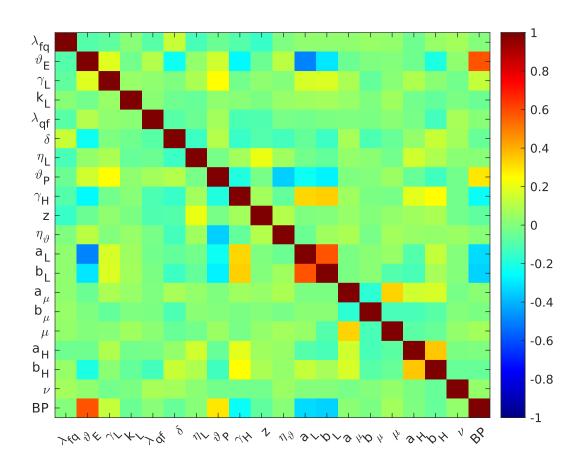
18.2. Estimated parameters with their intervals

It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0.4798'	'0.5176'	'0.4987'	'0.9957'	'0.0576'
\vartheta_E	'0.2665'	'0.3016'	'0.284'	'0.0514'	'0.0915'
\gamma_L	'0.7484'	'0.7907'	'0.7695'	'0.7875'	'0.0646'
k_L	'5.3691'	'5.6266'	'5.4978'	'5.5179'	'0.0475'
\lambda_{qf}	'0.4812'	'0.516'	'0.4986'	'0.0004'	'0.054'
\delta	'0.0532'	'0.0624'	'0.0578'	'0'	'0.078'
\eta_L	'0.4841'	'0.5189'	'0.5015'	'0.5026'	'0.0582'
\vartheta_P	'0'	'0.0118'	'0'	'0'	'0.0595'
\gamma_H	'0.6943'	'0.7431'	'0.7187'	'0.9999'	'0.0803'
z	'14.9618'	'16.1305'	'15.5462'	'29.998'	'0.0586'
\eta_\vartheta	'0.6995'	'0.7375'	'0.7185'	'0.9394'	'0.06'
a_L	'2.9695'	'3.458'	'3.2137'	'3.3123'	'0.0884'
b_L	'5.2414'	'6.0102'	'5.6258'	'14.9999'	'0.0986'
a_\mu	'7.8102'	'8.4818'	'8.146'	'12.2311'	'0.0662'
b_\mu	'6.6466'	'7.268'	'6.9573'	'2.5928'	'0.0575'
\mu	'0.304'	'0.3492'	'0.3266'	'0.5734'	'0.0623'
a_H	'6.5041'	'7.179'	'6.8415'	'12.312'	'0.0698'
b_H	'9.336'	'10.0048'	'9.6704'	'14.9981'	'0.0752'
\nu	'239.57'	'261.6303'	'250.6001'	'0.0001'	'0.0546'
BP	'455.786'	'456.1151'	'455.9505'	'456.3285'	'0.0781'

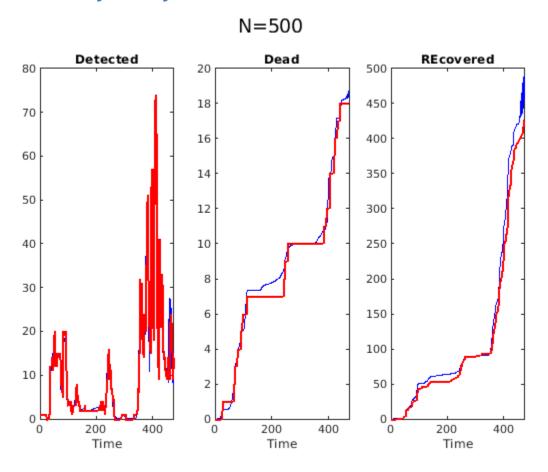






0.055

0.05



Chapter 19. Extension number 19

19.1. Basic information

The extension to be validated consists of the time series from the data472 to the 472. The status of the validation is: COMPLETED.

The number of estimations needed to perform the validation was 1000.

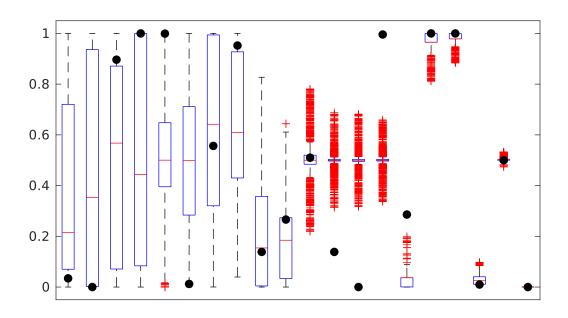
19.2. Estimated parameters with their intervals

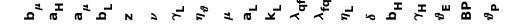
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

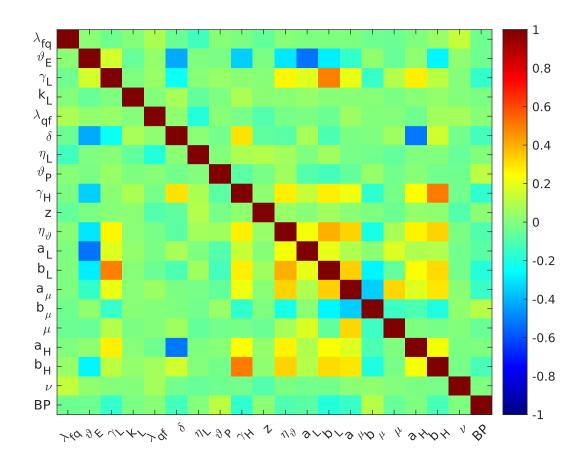
Due to a deviation from the median the CSB method was activated to obtain the

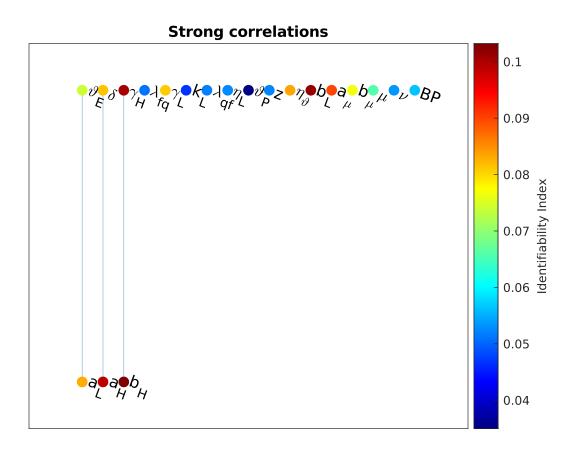
parameter intervals.

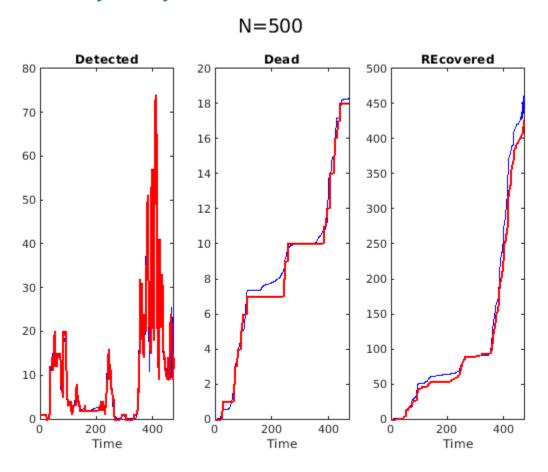
parameter interva	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0'	'0'	'0.4998'	'0'	'0.0512'
\vartheta_E	'0.0069'	'0.0148'	'0.0261'	'0.0099'	'0.0741'
\gamma_L	'0.3895'	'0.8347'	'0.6418'	'0.5564'	'0.081'
k_L	'3.9129'	'8.3849'	'5.4999'	'5.5899'	'0.0469'
\lambda_{qf}	'0.097'	'0.2078'	'0.4999'	'0.1385'	'0.0519'
\delta	'0.03'	'0.0643'	'0.0055'	'0.0429'	'0.0816'
\eta_L	'0.697'	'1'	'0.5'	'0.9957'	'0.0526'
\vartheta_P	'0'	'0'	'0'	'0'	'0.035'
\gamma_H	'0.6999'	'1'	'0.9786'	'0.9998'	'0.1003'
Z	'20.9821'	'30'	'15.0066'	'29.9744'	'0.0524'
\eta_\vartheta	'0.6666'	'1'	'0.6092'	'0.9524'	'0.0835'
a_L	'3.3077'	'7.0878'	'3.5834'	'4.7252'	'0.0832'
b_L	'10.4992'	'15'	'7.2174'	'14.9989'	'0.1015'
a_\mu	'9.4847'	'15'	'8.9447'	'13.5495'	'0.09'
b_\mu	'1.0355'	'2.219'	'4.0068'	'1.4793'	'0.0768'
\mu	'0.097'	'0.2079'	'0.1542'	'0.1386'	'0.066'
a_H	'1'	'1.5001'	'5.9448'	'1.0001'	'0.0991'
b_H	'10.4992'	'15'	'14.5128'	'14.9988'	'0.1032'
\nu	'4.3222'	'9.2619'	'249.833'	'6.1746'	'0.0535'
BP	'459'	'462'	'460.5074'	'460.5001'	'0.0564'











Chapter 20. Extension number 20

20.1. Basic information

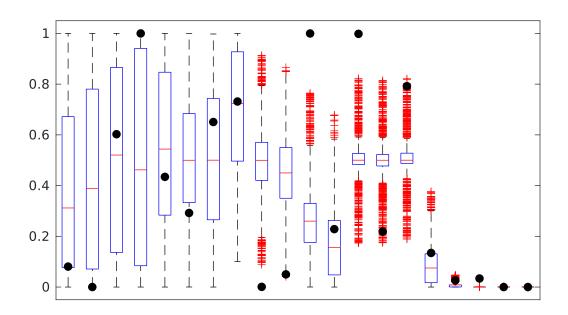
The extension to be validated consists of the time series from the data472 to the 492. The status of the validation is: COMPLETED.

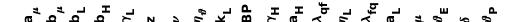
The number of estimations needed to perform the validation was 1000.

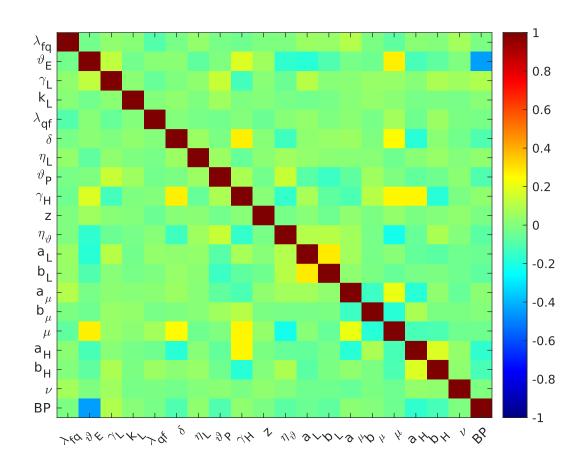
20.2. Estimated parameters with their intervals

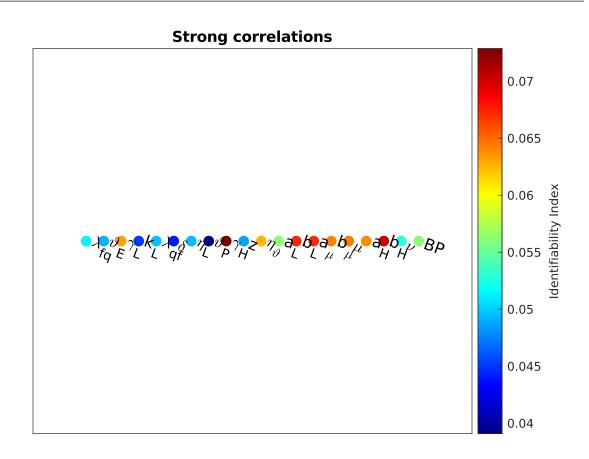
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

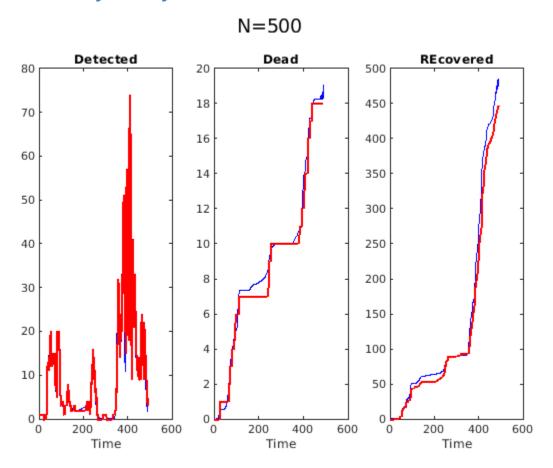
	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0.4816'	'0.5187'	'0.5001'	'0.792'	'0.0515'
\vartheta_E	'0'	'0.0011'	'0.0002'	'0.0337'	'0.0492'
\gamma_L	'0.5186'	'0.5695'	'0.544'	'0.4344'	'0.0632'
k_L	'5.3552'	'5.6409'	'5.498'	'1.0068'	'0.0451'
\lambda_{qf}	'0.4818'	'0.5186'	'0.5002'	'0.9983'	'0.0498'
\delta	'0'	'0.0011'	'0'	'0'	'0.0441'
\eta_L	'0.4826'	'0.5174'	'0.5'	'0.2189'	'0.0494'
\vartheta_P	'0'	'0.0002'	'0'	'0.0001'	'0.0391'
\gamma_H	'0.2374'	'0.283'	'0.2602'	'0.9998'	'0.0729'
Z	'14.4332'	'15.5632'	'14.9982'	'8.7625'	'0.0488'
\eta_\vartheta	'0.7041'	'0.743'	'0.7236'	'0.7315'	'0.0626'
a_L	'1.8458'	'2.264'	'2.0549'	'2.8822'	'0.0564'
b_L	'7.881'	'8.6938'	'8.2874'	'9.4364'	'0.0674'
a_\mu	'4.9887'	'5.7423'	'5.3655'	'2.1294'	'0.0672'
b_\mu	'6.0447'	'6.8554'	'6.4501'	'1.0005'	'0.0642'
\mu	'0'	'0.029'	'0.0088'	'0.0263'	'0.0645'
a_H	'2.9224'	'3.4542'	'3.1883'	'4.1971'	'0.064'
b_H	'7.0334'	'7.9034'	'7.4684'	'14.9992'	'0.0701'
\nu	'239.082'	'261.1781'	'250.1301'	'325.3465'	'0.0531'
ВР	'476.3582'	'476.6418'	'476.5'	'472.5'	'0.0563'











Chapter 21. Extension number 21

21.1. Basic information

The extension to be validated consists of the time series from the data492 to the 494. The status of the validation is: COMPLETED.

The number of estimations needed to perform the validation was 1000.

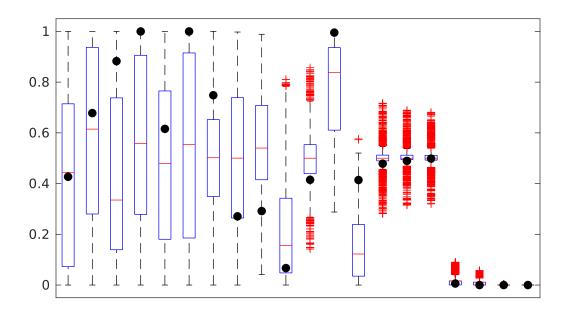
21.2. Estimated parameters with their intervals

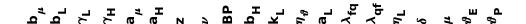
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

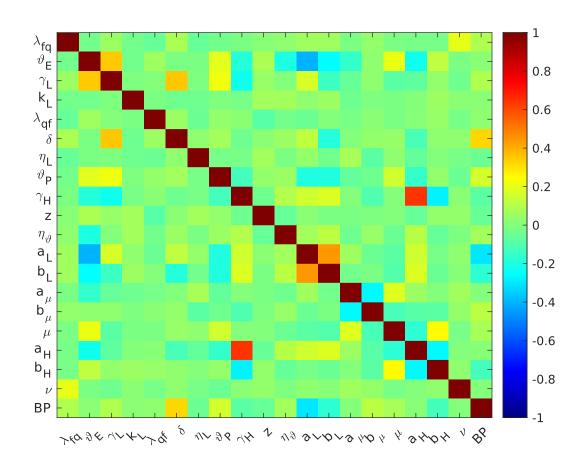
Due to a deviation from the median the CSB method was activated to obtain the

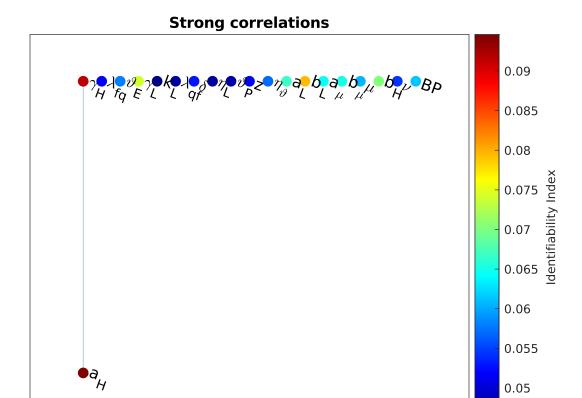
parameter intervals.

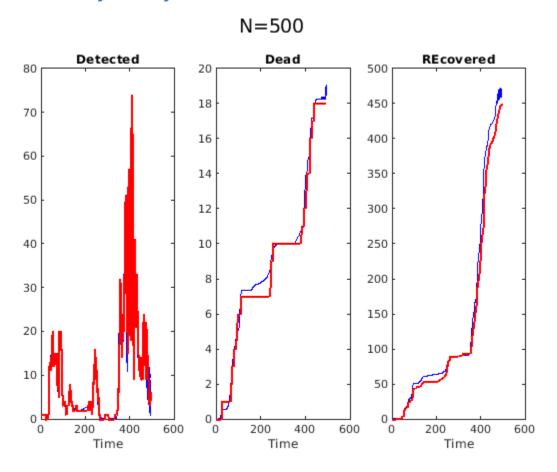
parameter interva	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0'	'1'	'0.5'	'0.4785'	'0.052'
\vartheta_E	'0'	'0'	'0.0006'	'0'	'0.058'
\gamma_L	'0.2821'	'1'	'0.3352'	'0.8828'	'0.0742'
k_L	'1'	'10'	'5.5007'	'4.7338'	'0.046'
\lambda_{qf}	'0'	'1'	'0.5002'	'0.4895'	'0.0473'
\delta	'0'	'0.0018'	'0.0025'	'0.0009'	'0.0529'
\eta_L	'0'	'1'	'0.5002'	'0.4984'	'0.0473'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0478'
\gamma_H	'0.0494'	'1'	'0.5578'	'0.9999'	'0.0917'
Z	'0'	'30'	'15.0575'	'22.451'	'0.0518'
\eta_\vartheta	'0.3847'	'1'	'0.8384'	'0.9954'	'0.057'
a_L	'1'	'10.9549'	'2.7176'	'6.7968'	'0.067'
b_L	'6.4403'	'15'	'9.607'	'10.4922'	'0.0796'
a_\mu	'1'	'15'	'7.702'	'9.6205'	'0.0644'
b_\mu	'1'	'15'	'7.2246'	'6.9764'	'0.0654'
\mu	'0'	'0'	'0.0112'	'0'	'0.0607'
a_H	'7.8147'	'15'	'8.7581'	'14.9995'	'0.0946'
b_H	'1.0668'	'4.3413'	'3.1813'	'1.9362'	'0.0704'
\nu	'0.4921'	'500'	'250.2113'	'135.4753'	'0.0545'
BP	'472'	'475.84'	'478.4817'	'475.5'	'0.0615'











Chapter 22. Extension number 22

22.1. Basic information

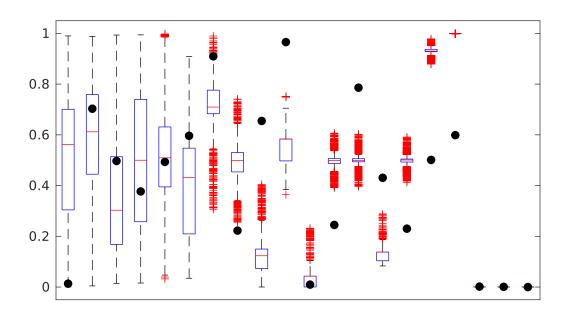
The extension to be validated consists of the time series from the data494 to the 508. The status of the validation is: COMPLETED.

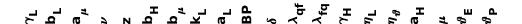
The number of estimations needed to perform the validation was 1000.

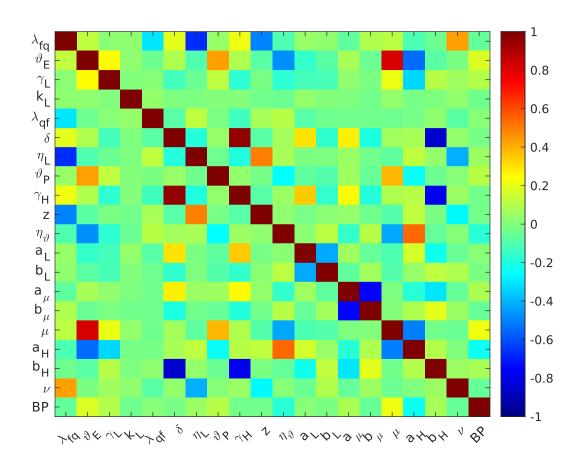
22.2. Estimated parameters with their intervals

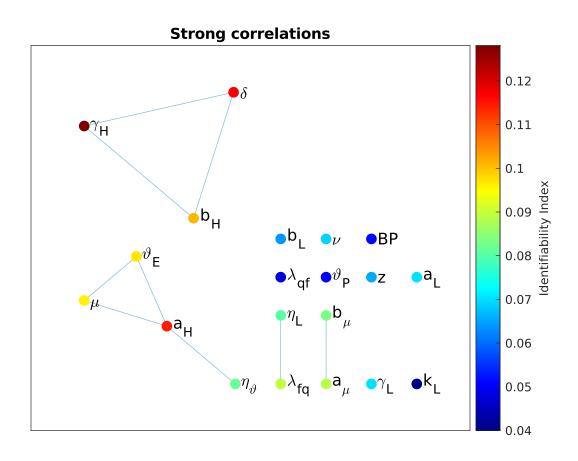
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

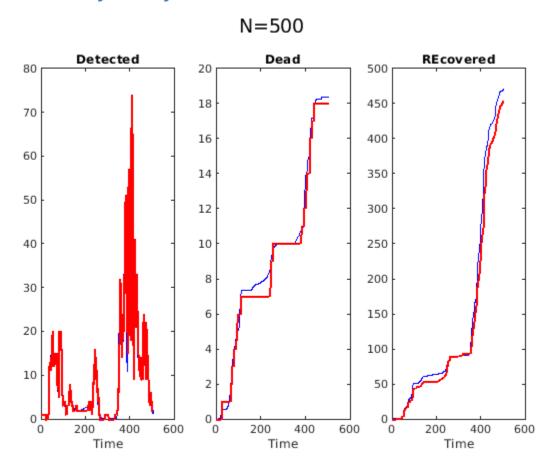
	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0.4855'	'0.5116'	'0.4986'	'0.7859'	'0.0898'
\vartheta_E	'0'	'0.0022'	'0.0001'	'0.0008'	'0.0969'
\gamma_L	'0.5413'	'0.5821'	'0.5617'	'0.0134'	'0.0705'
k_L	'5.3963'	'5.5844'	'5.4903'	'3.0035'	'0.04'
\lambda_{qf}	'0.4918'	'0.5069'	'0.4993'	'0.2448'	'0.0481'
\delta	'0.0034'	'0.0094'	'0.0064'	'0.0014'	'0.1174'
\eta_L	'0.4915'	'0.5101'	'0.5008'	'0.2302'	'0.0806'
\vartheta_P	'0'	'0.0009'	'0'	'0'	'0.0509'
\gamma_H	'0.1087'	'0.1669'	'0.1378'	'0.4307'	'0.1281'
Z	'14.8132'	'15.7527'	'15.2829'	'14.7987'	'0.0658'
\eta_\vartheta	'0.9231'	'0.9371'	'0.9301'	'0.5011'	'0.0818'
a_L	'2.4905'	'2.964'	'2.7272'	'10.1666'	'0.0703'
b_L	'9.3207'	'9.8152'	'9.568'	'10.8424'	'0.0639'
a_\mu	'4.9648'	'5.517'	'5.2409'	'7.9576'	'0.0885'
b_\mu	'10.6475'	'11.2166'	'10.9321'	'13.7334'	'0.0834'
\mu	'0'	'0.0085'	'0.0003'	'0.0018'	'0.0959'
a_H	'14.7691'	'15'	'14.9853'	'9.3835'	'0.1145'
b_H	'6.8872'	'7.2274'	'7.0573'	'9.3472'	'0.1011'
\nu	'239.0094'	'260.9542'	'249.9818'	'188.4201'	'0.0692'
ВР	'495.4548'	'495.5442'	'495.4995'	'497.794'	'0.0515'











Chapter 23. Extension number 23

23.1. Basic information

The extension to be validated consists of the time series from the data508 to the 508. The status of the validation is: COMPLETED.

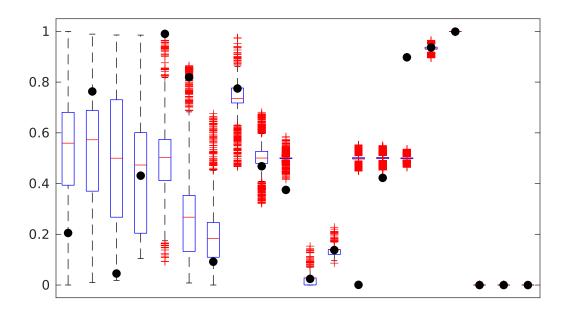
The number of estimations needed to perform the validation was 1000.

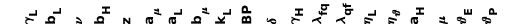
23.2. Estimated parameters with their intervals

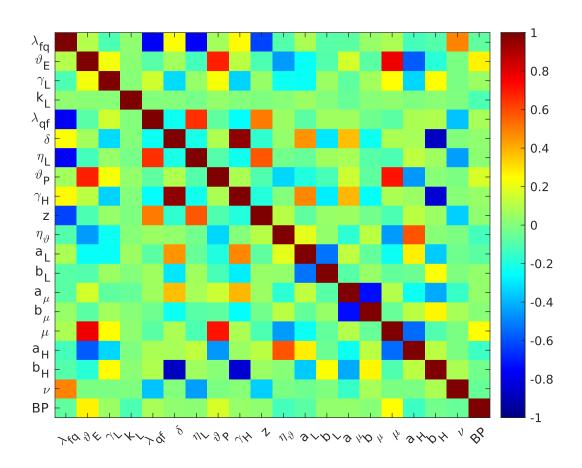
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

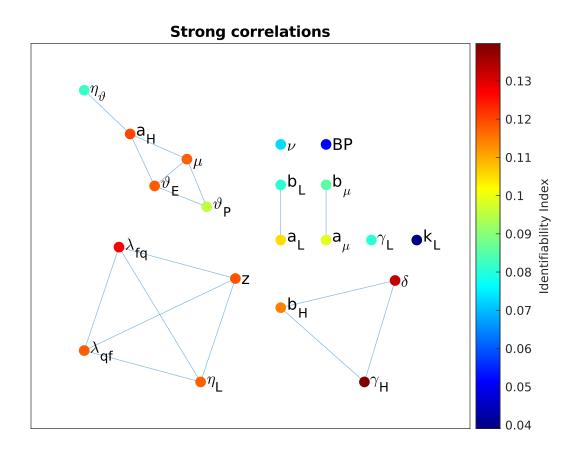
Due to a deviation from the median the CSB method was activated to obtain the

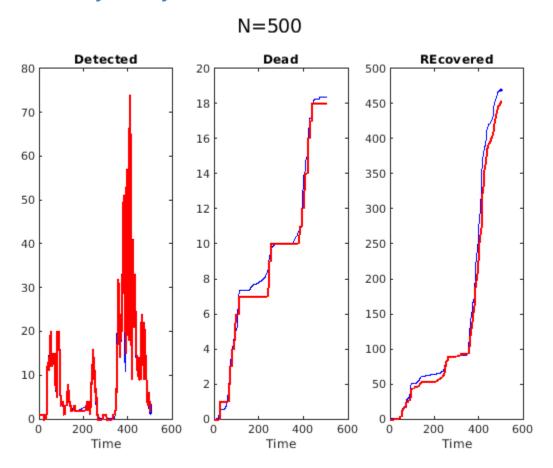
parameter interva		ngo	Nominal	Mejor	Index
\lambda_{fq}	'0.0008'	'0.0008'	'0.4991'	'0.0008'	'0.1271'
\vartheta_E	'0'	'0'	'0.0001'	'0'	'0.1178'
\gamma_L	'0.1437'	'0.3079'	'0.5593'	'0.2052'	'0.0808'
k_L	'3.6502'	'7.8218'	'5.5058'	'5.2145'	'0.0391'
\lambda_{qf}	'0.2958'	'0.6338'	'0.5012'	'0.4225'	'0.1178'
\delta	'0.0026'	'0.0055'	'0.0043'	'0.0036'	'0.1328'
\eta_L	'0.6284'	'1'	'0.5005'	'0.8977'	'0.1175'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0956'
\gamma_H	'0.0966'	'0.207'	'0.1402'	'0.138'	'0.1398'
Z	'20.7923'	'30'	'15.0856'	'29.7033'	'0.1185'
\eta_\vartheta	'0.6556'	'1'	'0.9311'	'0.9366'	'0.082'
a_L	'1.6007'	'3.4301'	'3.5597'	'2.2867'	'0.1049'
b_L	'8.1778'	'15'	'9.018'	'11.6826'	'0.0811'
a_\mu	'8.7288'	'15'	'4.7451'	'12.4697'	'0.0991'
b_\mu	'8.2925'	'15'	'11.2963'	'11.8464'	'0.0856'
\mu	'0'	'0'	'0.0003'	'0'	'0.1177'
a_H	'10.4898'	'15'	'14.9826'	'14.9854'	'0.12'
b_H	'4.9258'	'10.5553'	'7.6249'	'7.0369'	'0.1143'
\nu	'15.9058'	'34.0838'	'250.0149'	'22.7226'	'0.073'
BP	'494'	'498'	'496.0044'	'495.5'	'0.0518'











Chapter 24. Extension number 24

24.1. Basic information

The extension to be validated consists of the time series from the data508 to the 533. The status of the validation is: COMPLETED.

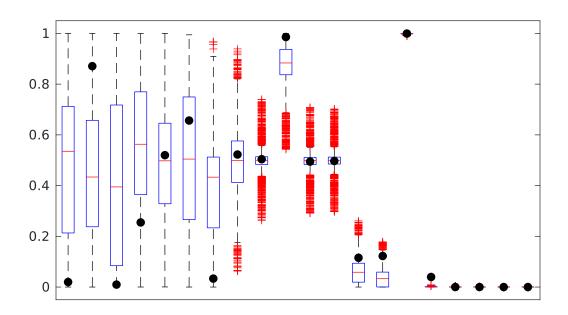
The number of estimations needed to perform the validation was 1000.

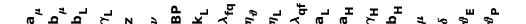
24.2. Estimated parameters with their intervals

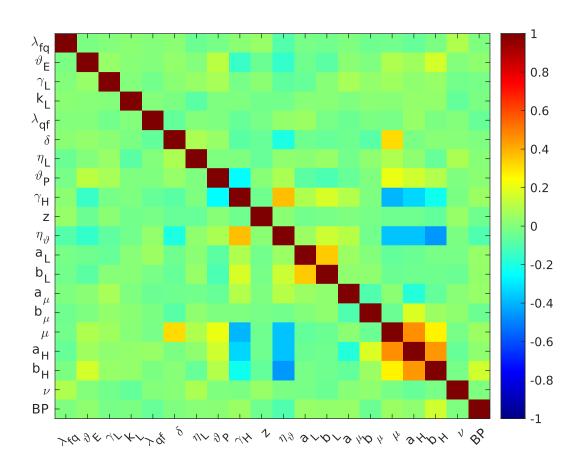
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

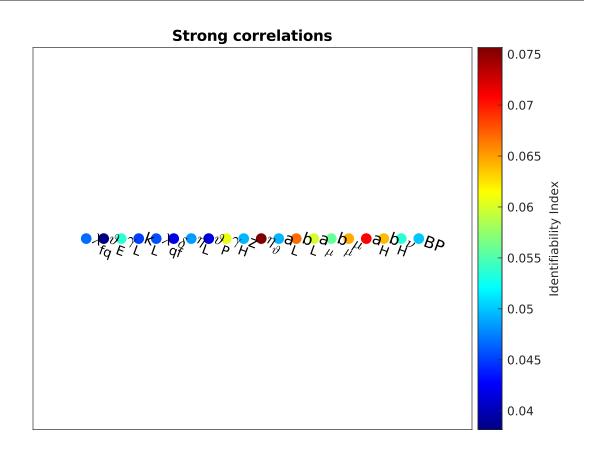
Due to a deviation from the median the CSB method was activated to obtain the

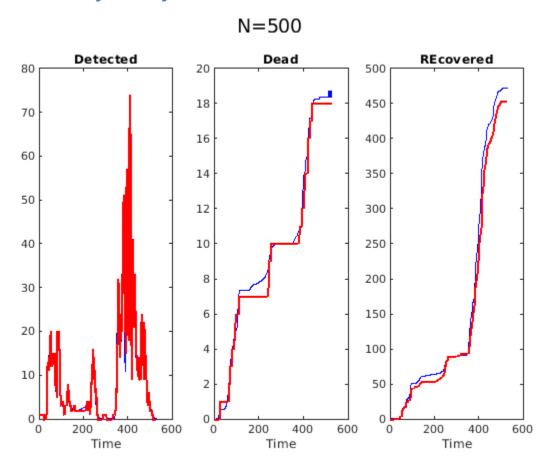
parameter interva	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0'	'1'	'0.4999'	'0.5041'	'0.0467'
\vartheta_E	'0'	'0'	'0'	'0'	'0.0382'
\gamma_L	'0'	'0.5731'	'0.563'	'0.2547'	'0.0538'
k_L	'1'	'10'	'5.485'	'5.7025'	'0.0451'
\lambda_{qf}	'0'	'1'	'0.4999'	'0.4969'	'0.0457'
\delta	'0'	'0'	'0'	'0'	'0.0419'
\eta_L	'0'	'1'	'0.4996'	'0.4947'	'0.0485'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0417'
\gamma_H	'0.6705'	'1'	'0.9981'	'0.9995'	'0.0607'
z	'0'	'30'	'14.9294'	'15.5969'	'0.0495'
\eta_\vartheta	'0.5726'	'1'	'0.8831'	'0.9858'	'0.0756'
a_L	'1'	'15'	'1.818'	'2.6161'	'0.0495'
b_L	'1'	'15'	'6.5283'	'1.135'	'0.0669'
a_\mu	'1'	'15'	'8.4945'	'1.2763'	'0.06'
b_\mu	'1'	'15'	'7.0736'	'13.1918'	'0.056'
\mu	'0'	'0'	'0.0007'	'0'	'0.0646'
a_H	'2.0504'	'2.9326'	'1.4608'	'2.7139'	'0.071'
b_H	'1.132'	'1.9635'	'1.0233'	'1.5555'	'0.064'
\nu	'0'	'500'	'252.2717'	'328.2716'	'0.0537'
ВР	'508.4999'	'508.5'	'514.4991'	'508.5'	'0.0501'











Chapter 25. Extension number 25

25.1. Basic information

The extension to be validated consists of the time series from the data533 to the 540. The status of the validation is: COMPLETED.

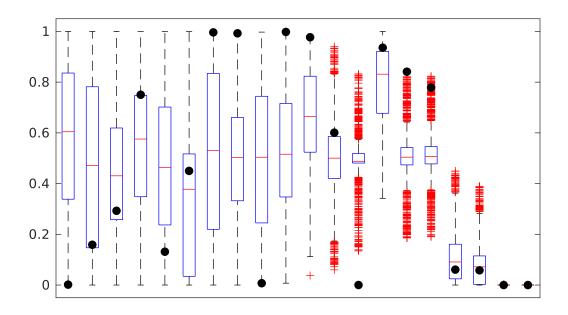
The number of estimations needed to perform the validation was 1000.

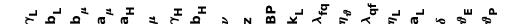
25.2. Estimated parameters with their intervals

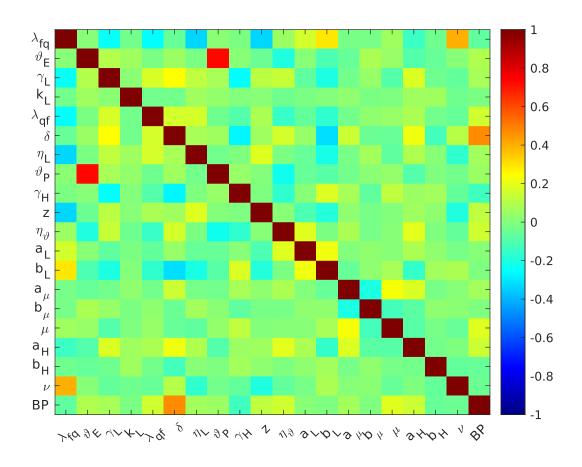
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

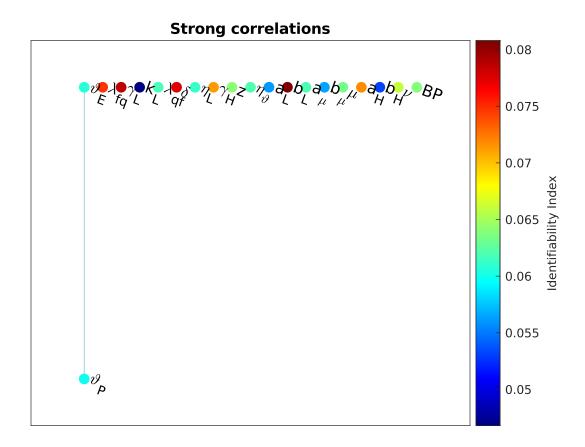
Due to a deviation from the median the CSB method was activated to obtain the

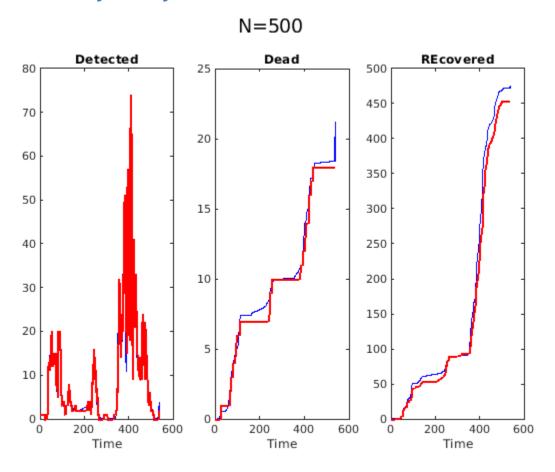
	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0'	'0.0003'	'0.4879'	'0.0001'	'0.0748'
\vartheta_E	'0'	'0'	'0.0001'	'0'	'0.0608'
\gamma_L	'0'	'0.0036'	'0.6044'	'0.0016'	'0.0786'
k_L	'1'	'9.55'	'5.5033'	'6.4073'	'0.0468'
\lambda_{qf}	'0.5806'	'1'	'0.5041'	'0.8411'	'0.0619'
\delta	'0.0073'	'0.0112'	'0.0108'	'0.0087'	'0.0776'
\eta_L	'0.3092'	'1'	'0.5063'	'0.7788'	'0.0613'
\vartheta_P	'0'	'0'	'0'	'0'	'0.06'
\gamma_H	'0.4493'	'1'	'0.5308'	'0.9962'	'0.0714'
Z	'15.2034'	'30'	'15.4744'	'29.9368'	'0.0642'
\eta_\vartheta	'0.5246'	'1'	'0.8313'	'0.9357'	'0.0621'
a_L	'1.35'	'15'	'2.2766'	'1.8516'	'0.0562'
b_L	'1'	'15'	'7.602'	'3.2247'	'0.0808'
a_\mu	'1.28'	'15'	'9.0602'	'11.5039'	'0.0621'
b_\mu	'1'	'15'	'7.0298'	'5.0994'	'0.0564'
\mu	'0'	'0.9216'	'0.3778'	'0.4501'	'0.0633'
a_H	'1.8081'	'2.8578'	'7.4864'	'2.8396'	'0.0719'
b_H	'5.8196'	'15'	'8.046'	'14.8949'	'0.0532'
\nu	'2.5288'	'4.7821'	'251.9339'	'3.6113'	'0.066'
BP	'529.3146'	'529.4966'	'522.6228'	'529.494'	'0.0638'











Chapter 26. Extension number 26

26.1. Basic information

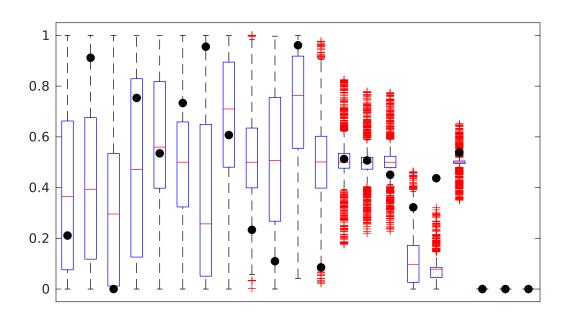
The extension to be validated consists of the time series from the data540 to the 558. The status of the validation is: COMPLETED.

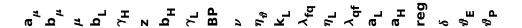
The number of estimations needed to perform the validation was 1000.

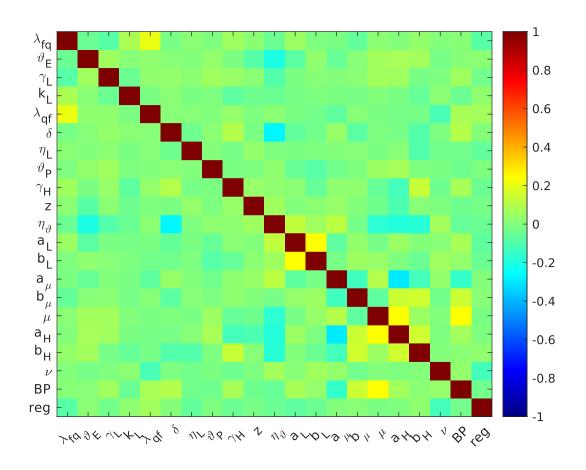
26.2. Estimated parameters with their intervals

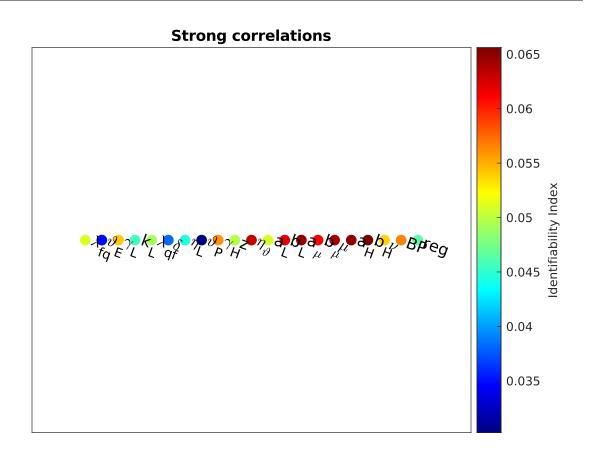
It was necessary to fix 0 parameters of 11 that could be fixed to complete validation.

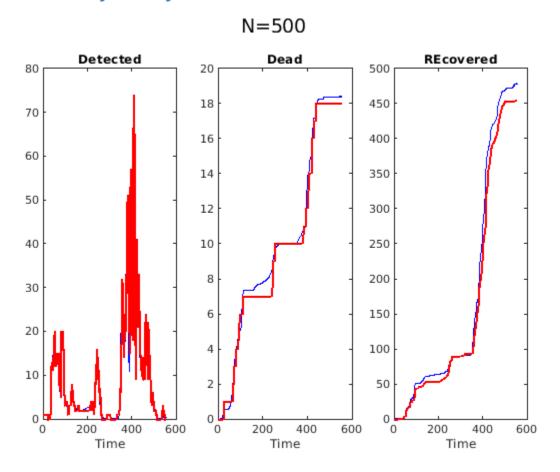
it was necessary to	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0.4834'	'0.5181'	'0.5008'	'0.5129'	'0.0512'
\vartheta_E	'0'	'0.0005'	'0'	'0'	'0.035'
\gamma_L	'0.6889'	'0.7314'	'0.7101'	'0.6071'	'0.0541'
k_L	'5.3697'	'5.6492'	'5.5095'	'1.7695'	'0.0458'
\lambda_{qf}	'0.4838'	'0.5163'	'0.5'	'0.4505'	'0.0493'
\delta	'0'	'0.0009'	'0'	'0'	'0.0383'
\eta_L	'0.484'	'0.5155'	'0.4997'	'0.507'	'0.0446'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0302'
\gamma_H	'0.5391'	'0.5802'	'0.5596'	'0.5351'	'0.056'
Z	'14.4434'	'15.5622'	'15.0028'	'21.9986'	'0.0496'
\eta_\vartheta	'0.7447'	'0.7807'	'0.7627'	'0.9612'	'0.063'
a_L	'2.1531'	'2.5813'	'2.3672'	'5.513'	'0.0509'
b_L	'7.1985'	'7.9853'	'7.5919'	'11.549'	'0.0621'
a_\mu	'5.7646'	'6.4729'	'6.1188'	'3.9541'	'0.0648'
b_\mu	'6.157'	'6.859'	'6.508'	'13.7662'	'0.0611'
\mu	'0.2709'	'0.3208'	'0.2958'	'0'	'0.0641'
a_H	'1.7953'	'2.401'	'2.0981'	'7.1173'	'0.0649'
b_H	'4.2251'	'4.9701'	'4.5976'	'14.3778'	'0.0656'
\nu	'242.0728'	'264.6313'	'253.352'	'54.8316'	'0.0537'
ВР	'540.2478'	'540.7517'	'540.4998'	'536.5'	'0.0566'
reg	'0.1215'	'0.1285'	'0.125'	'0.1347'	'0.0464'











Chapter 27. Extension number 27

27.1. Basic information

The extension to be validated consists of the time series from the data558 to the 567. The status of the validation is: COMPLETED.

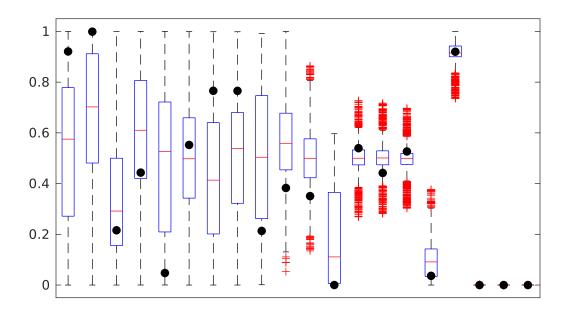
The number of estimations needed to perform the validation was 1000.

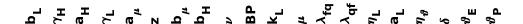
27.2. Estimated parameters with their intervals

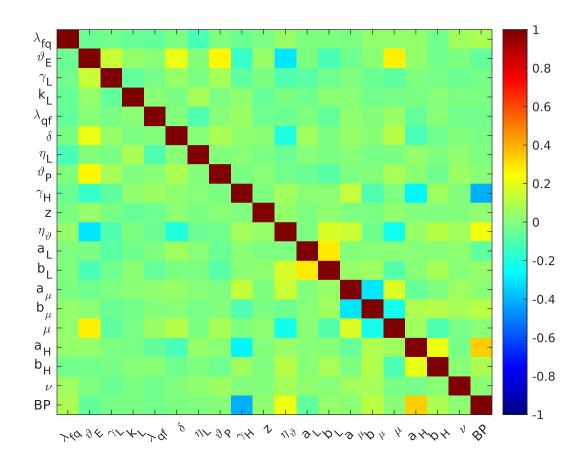
It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

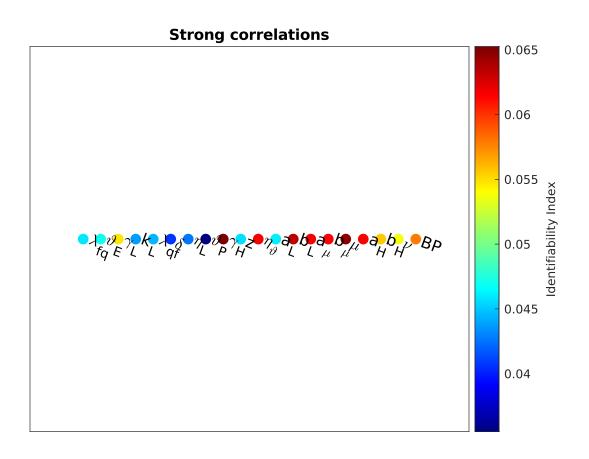
Due to a deviation from the median the CSB method was activated to obtain the

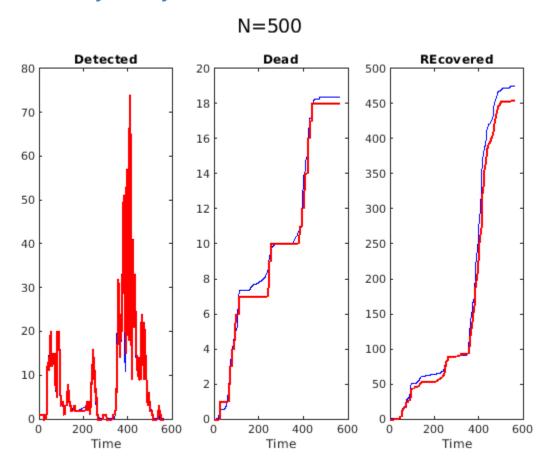
	Rango		Nominal	Mejor	Index
\lambda_{fq}	'0.025'	'1'	'0.5'	'0.5396'	'0.0459'
\vartheta_E	'0'	'0'	'0'	'0'	'0.0471'
\gamma_L	'0.2452'	'0.4486'	'0.6103'	'0.4433'	'0.0547'
k_L	'1'	'9.3516'	'5.4981'	'4.1563'	'0.0439'
\lambda_{qf}	'0.0249'	'0.9557'	'0.5011'	'0.442'	'0.0445'
\delta	'0'	'0'	'0'	'0'	'0.0407'
\eta_L	'0'	'1'	'0.4998'	'0.5266'	'0.0426'
\vartheta_P	'0'	'0'	'0'	'0'	'0.0355'
\gamma_H	'0.9456'	'1'	'0.7024'	'0.999'	'0.0652'
z	'0.75'	'30'	'14.9352'	'16.5679'	'0.0457'
\eta_\vartheta	'0.9189'	'0.9731'	'0.915'	'0.92'	'0.0618'
a_L	'1.1359'	'1.519'	'2.2787'	'1.5084'	'0.0461'
b_L	'11.3099'	'15'	'9.0527'	'13.893'	'0.0634'
a_\mu	'1'	'13.635'	'8.3682'	'1.6658'	'0.0617'
b_\mu	'1.966'	'15'	'6.7916'	'11.7226'	'0.0616'
\mu	'0'	'0.0002'	'0.1109'	'0.0001'	'0.0647'
a_H	'3.8979'	'4.3818'	'5.0846'	'4.0227'	'0.0615'
b_H	'10.9888'	'12.0669'	'8.5371'	'11.7185'	'0.0557'
\nu	'9.8081'	'475.0157'	'251.9727'	'106.6533'	'0.0536'
ВР	'542.8594'	'546.5302'	'549.5013'	'546.5062'	'0.0578'











Chapter 28. Extension number 28

28.1. Basic information

The extension to be validated consists of the time series from the data567 to the 654. The status of the validation is: COMPLETED.

The number of estimations needed to perform the validation was 1000.

28.2. Estimated parameters with their intervals

It was necessary to fix 0 parameters of 10 that could be fixed to complete validation.

Due to a deviation from the median the CSB method was activated to obtain the

parameter interva	Rar	ngo	Nominal	Mejor	Index
\lambda_{fq}	'0'	'0'	'0.0003'	'0'	'0.0434'
\vartheta_E	'0.9229'	'1'	'0.9695'	'0.9804'	'0.1218'
\gamma_L	'0.2689'	'1'	'0.7276'	'0.9999'	'0.0824'
k_L	'1'	'10'	'5.4809'	'7.2994'	'0.0887'
\lambda_{qf}	'0.1973'	'0.6768'	'0.7782'	'0.2165'	'0.1138'
\delta	'0'	'0.1492'	'0.0849'	'0.0663'	'0.115'
\eta_L	'0.4259'	'1'	'0.8789'	'0.9999'	'0.0925'
\vartheta_P	'0'	'0'	'0.0005'	'0'	'0.0881'
\gamma_H	'0'	'0.2767'	'0.6732'	'0.123'	'0.1093'
z	'17.4609'	'30'	'29.9477'	'29.9993'	'0.0588'
\eta_\vartheta	'0.3236'	'1'	'0.7365'	'0.9167'	'0.069'
a_L	'4.7905'	'9.4384'	'6.7734'	'8.8018'	'0.0984'
b_L	'6.9131'	'15'	'11.4519'	'12.0614'	'0.0949'
a_\mu	'1'	'15'	'8.2525'	'2.6044'	'0.0877'
b_\mu	'1'	'15'	'8.6067'	'14.8963'	'0.0902'
\mu	'0'	'0.1069'	'0.5368'	'0.0475'	'0.0927'
a_H	'1'	'15'	'7.5513'	'1.5127'	'0.0786'
b_H	'1'	'15'	'10.2072'	'14.8846'	'0.0875'
\nu	'319.9743'	'428.2896'	'199.1986'	'373.0659'	'0.0943'
ВР	'578.5306'	'585.453'	'585.5'	'582.5'	'0.1325'

