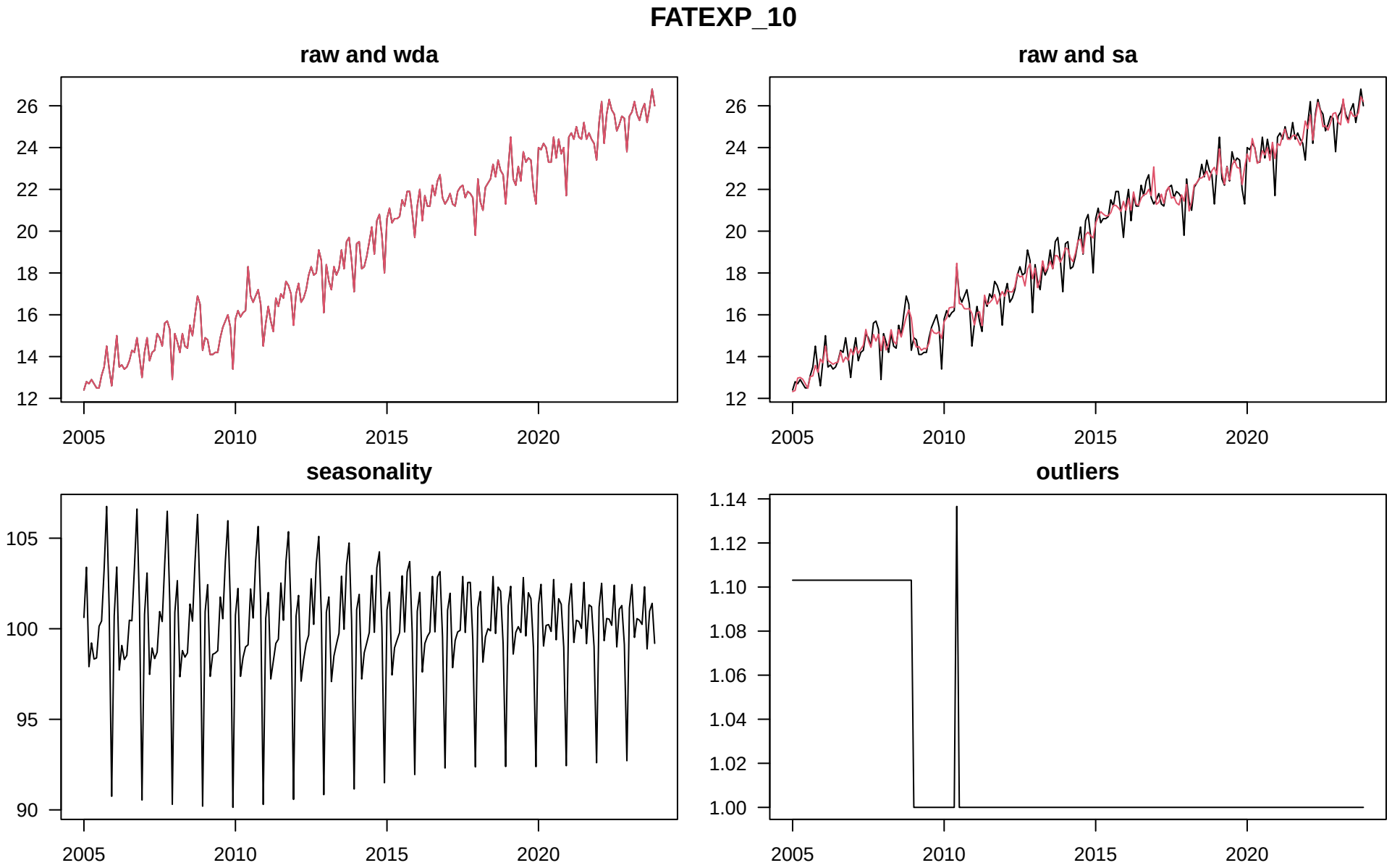
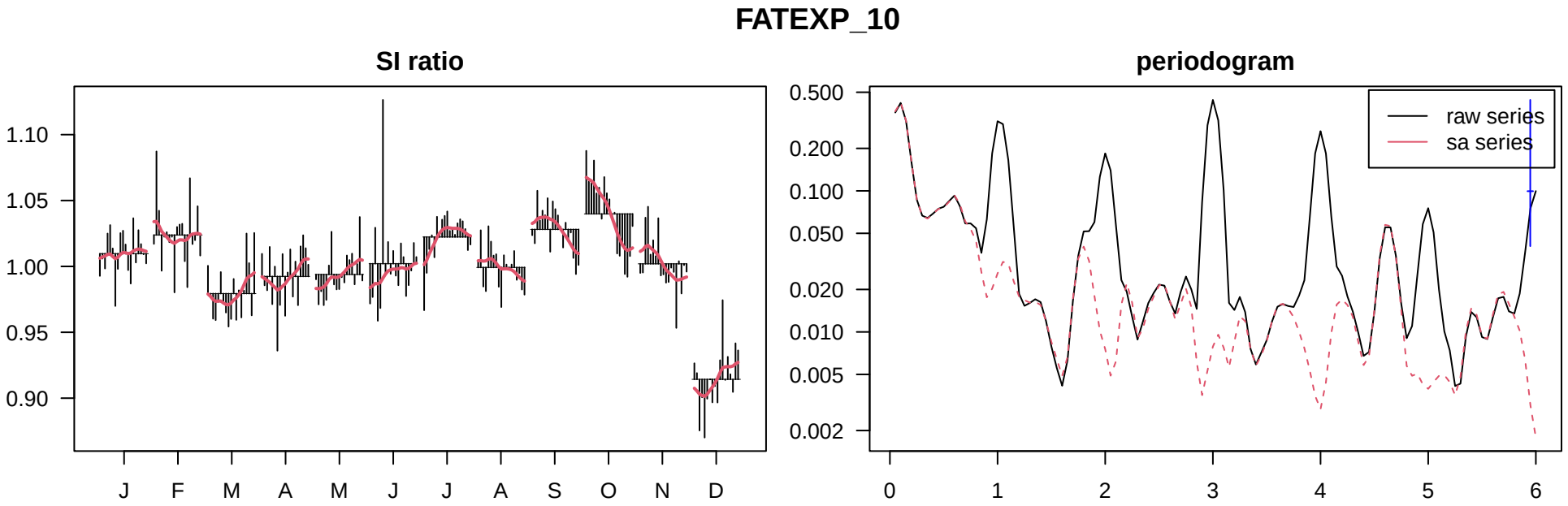
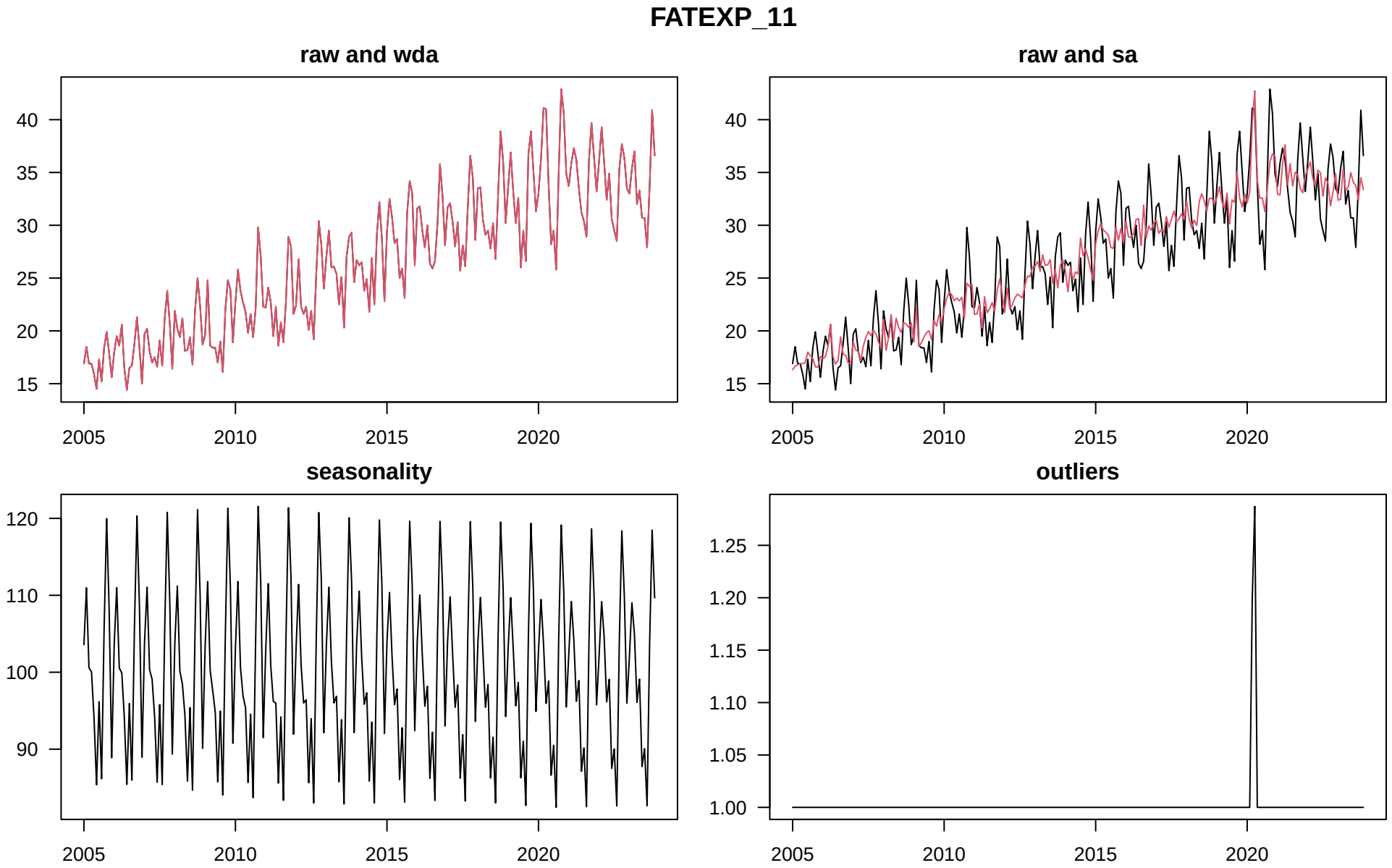

FATEXP_10
raw and wda
raw and sa
seasonality
outliers
26
24
22
20
18
16
14
12
105
100
95
90
1.14
1.12
1.10
1.08
1.06
1.04
1.02
1.00
2005
2010
2015
2020


FATEXP_10
SI ratio
1.10
1.05
1.00
0.95
0.90
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
raw series
sa series
0
1
2
3
4
5
6

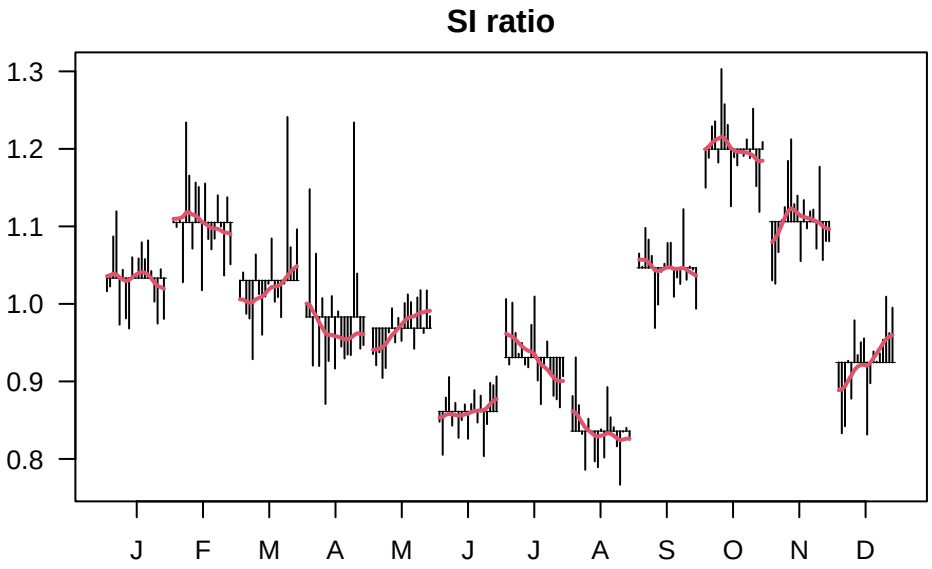
FATEXP_10

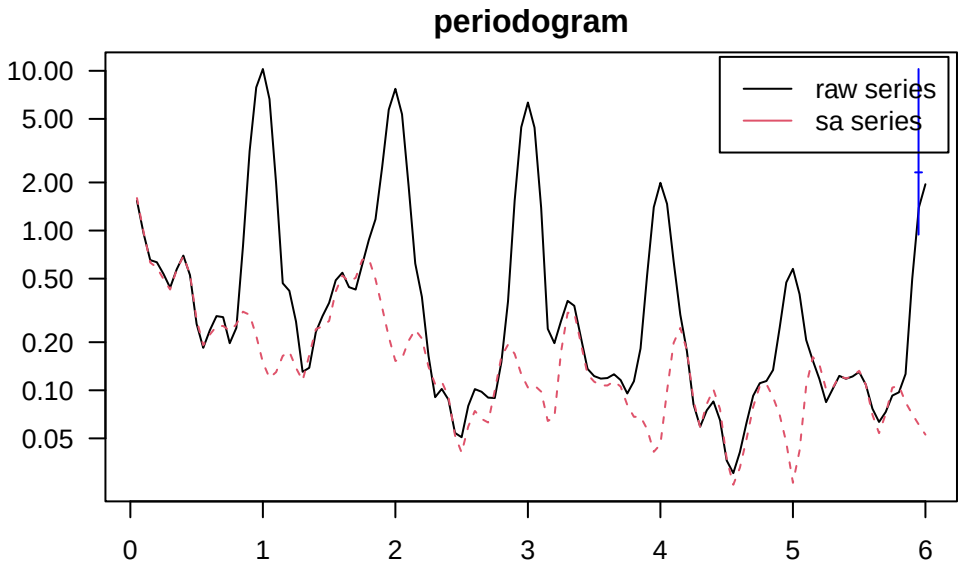
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5.0
2.5
0.0
−2.5
−5.0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

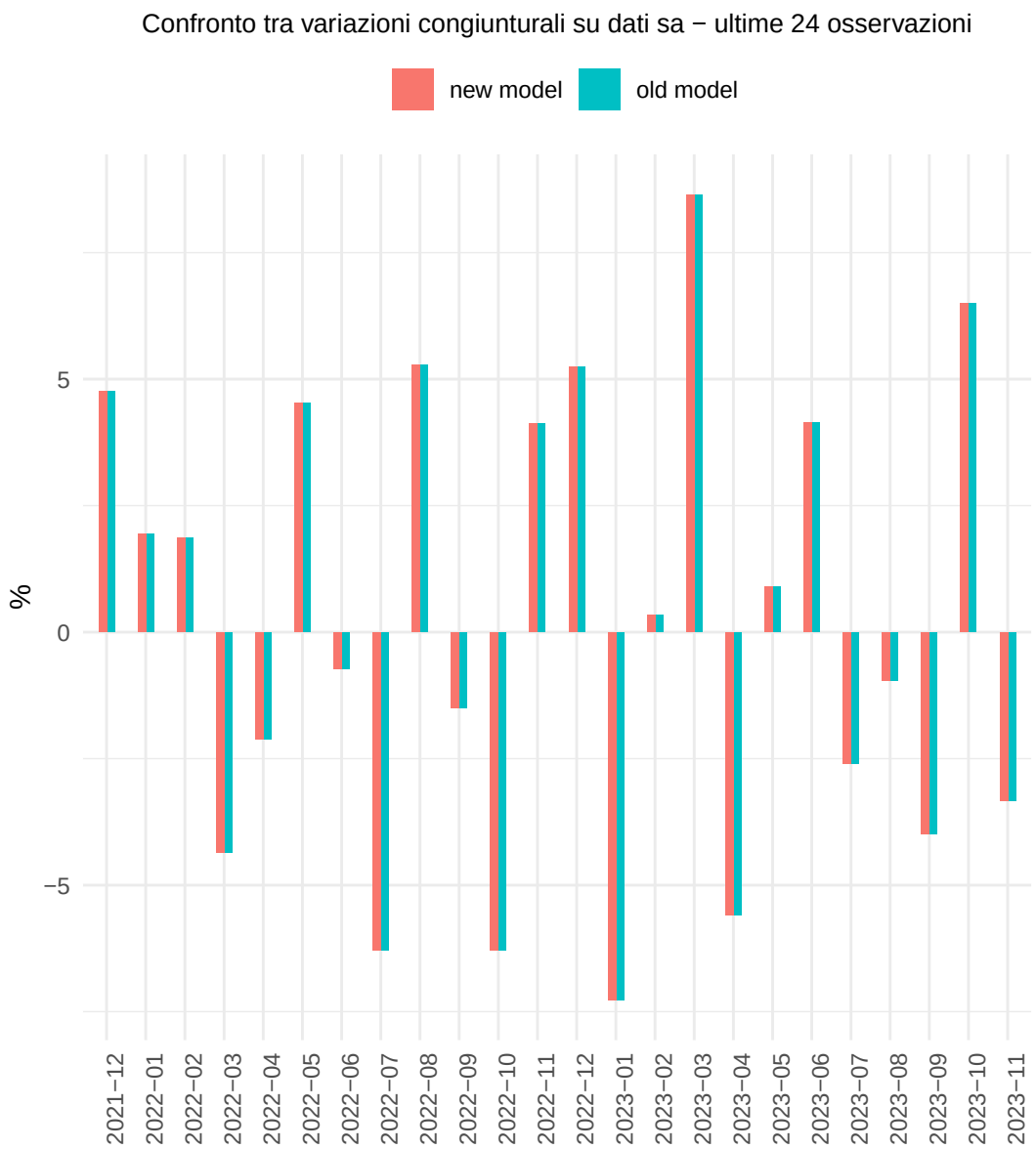

FATEXP_11
raw and wda
raw and sa
seasonality
outliers
40
35
30
25
20
15
120
110
100
90
1.25
1.20
1.15
1.10
1.05
1.00
2005
2010
2015
2020

FATEXP_11

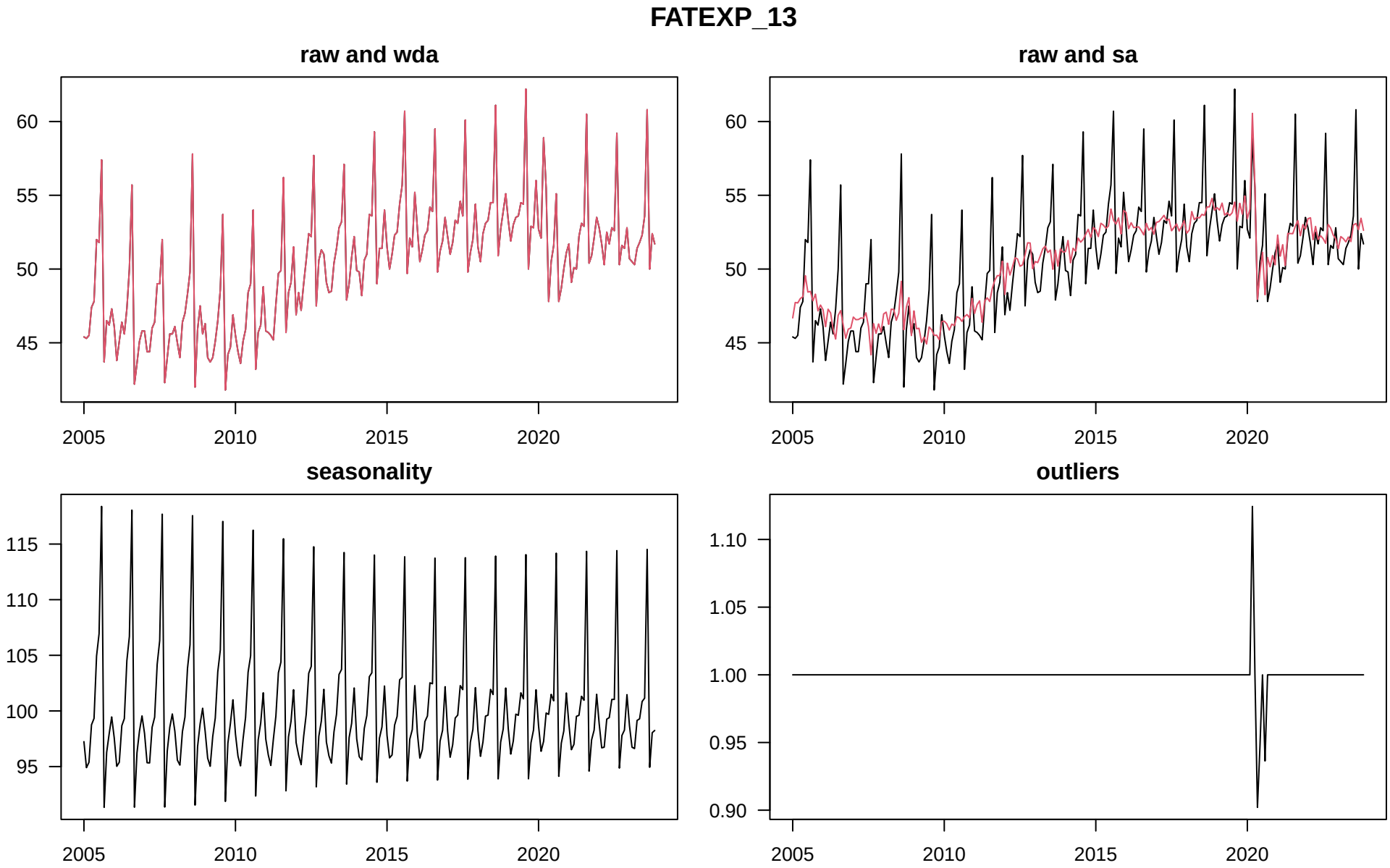

SI ratio
1.3
1.2
1.1
1.0
0.9
0.8
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
raw series
sa series
0
1
2
3
4
5
6

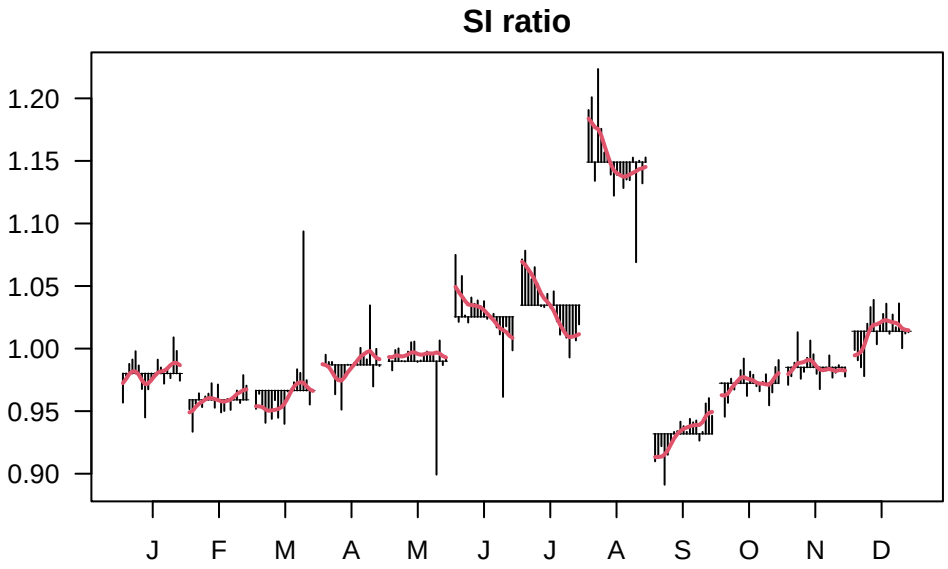
FATEXP_11

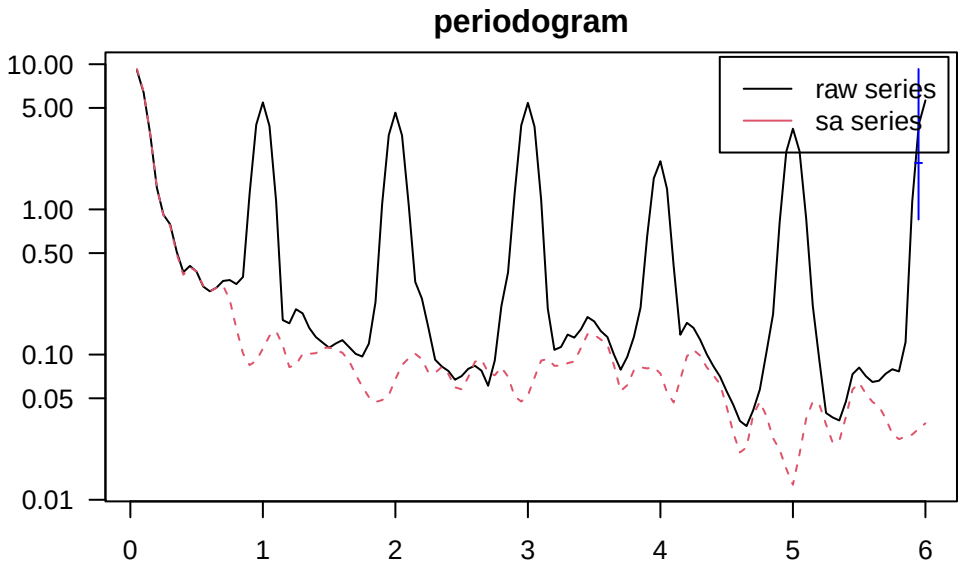

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_13
raw and wda
raw and sa
seasonality
outliers
60
55
50
45
115
110
105
100
95
1.10
1.05
1.00
0.95
0.90
2005
2010
2015
2020

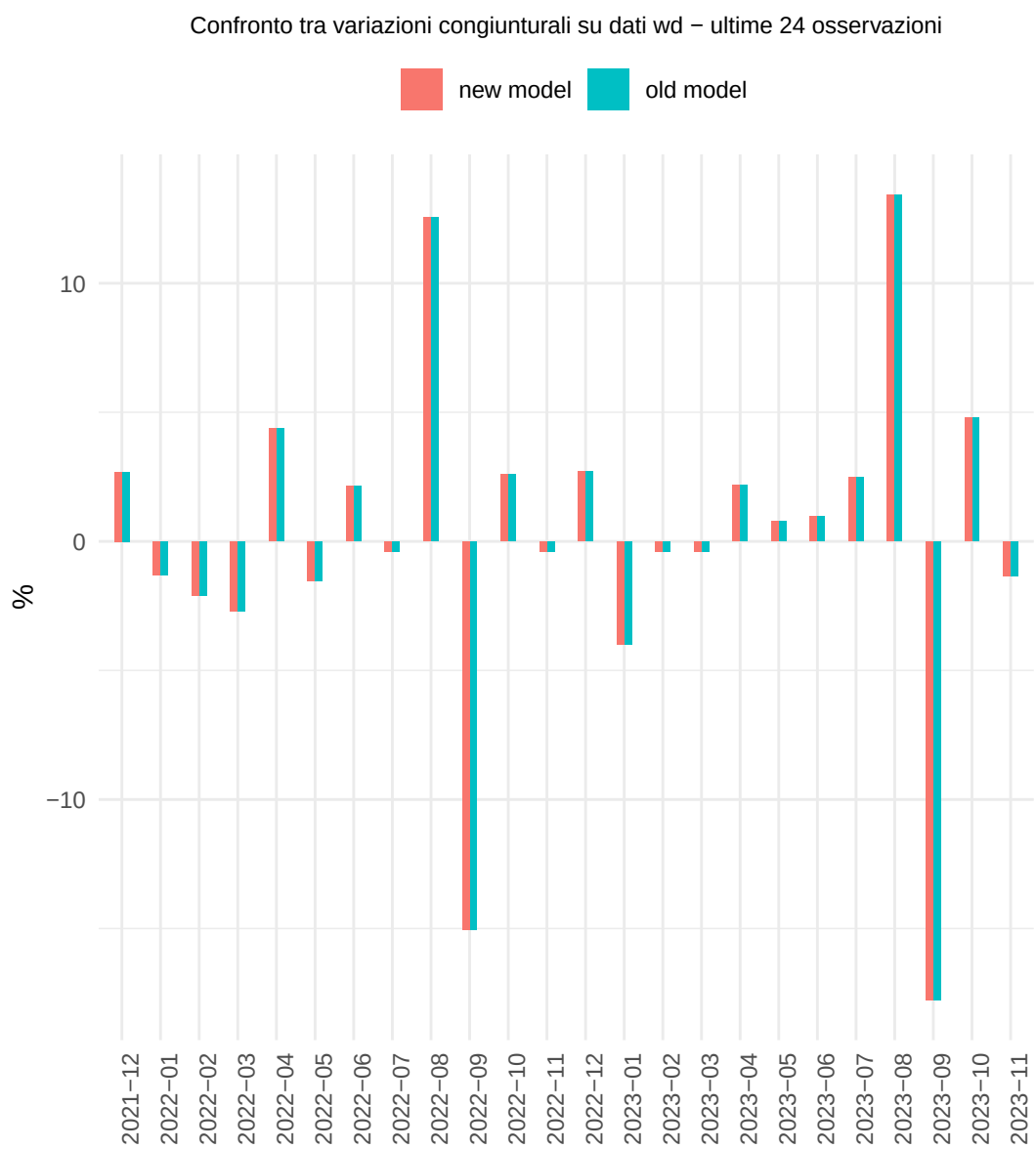
FATEXP_13

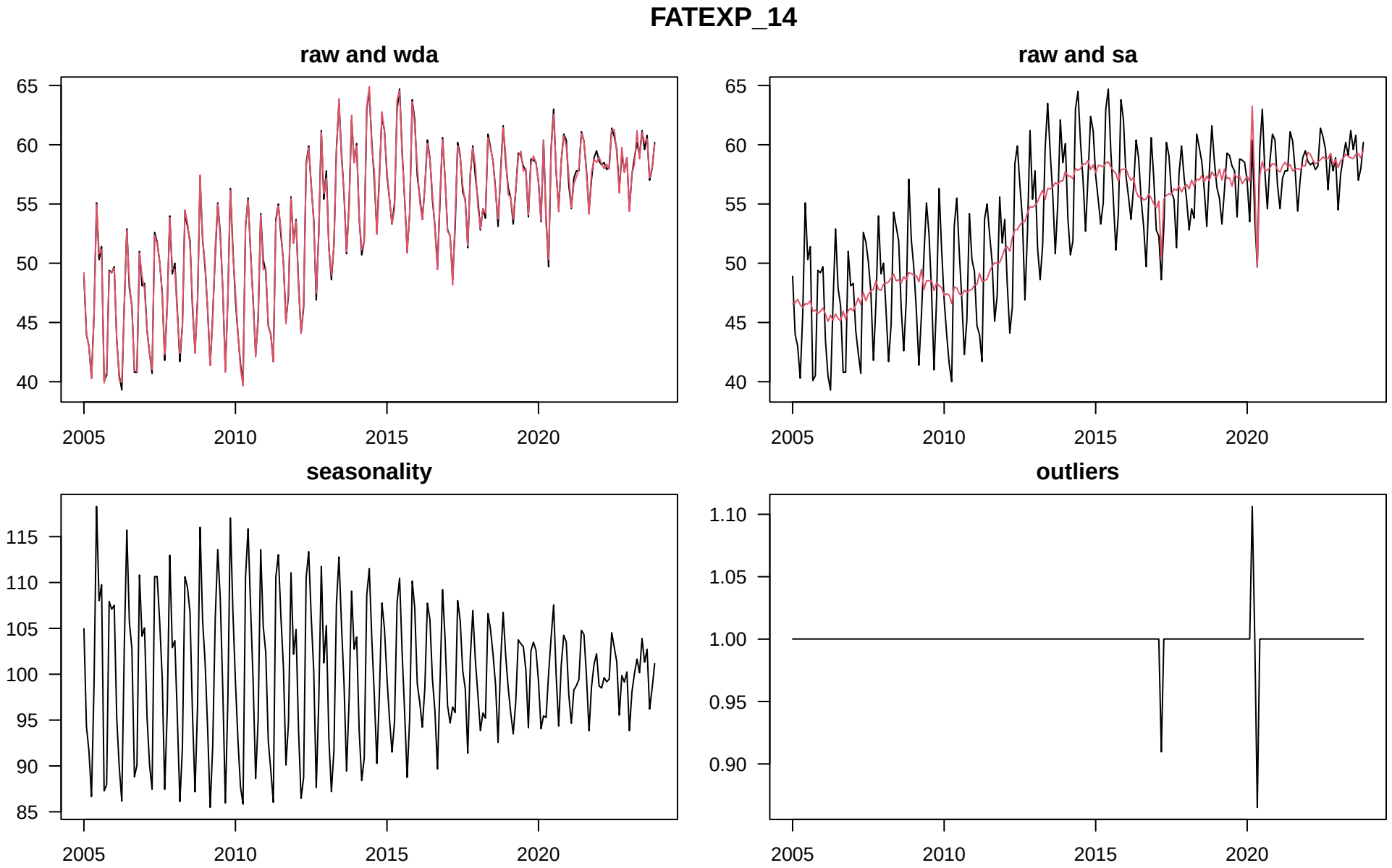

SI ratio
1.20
1.15
1.10
1.05
1.00
0.95
0.90
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
10.00
5.00
1.00
0.50
0.10
0.05
0.01
0
1
2
3
4
5
6
raw series
sa series

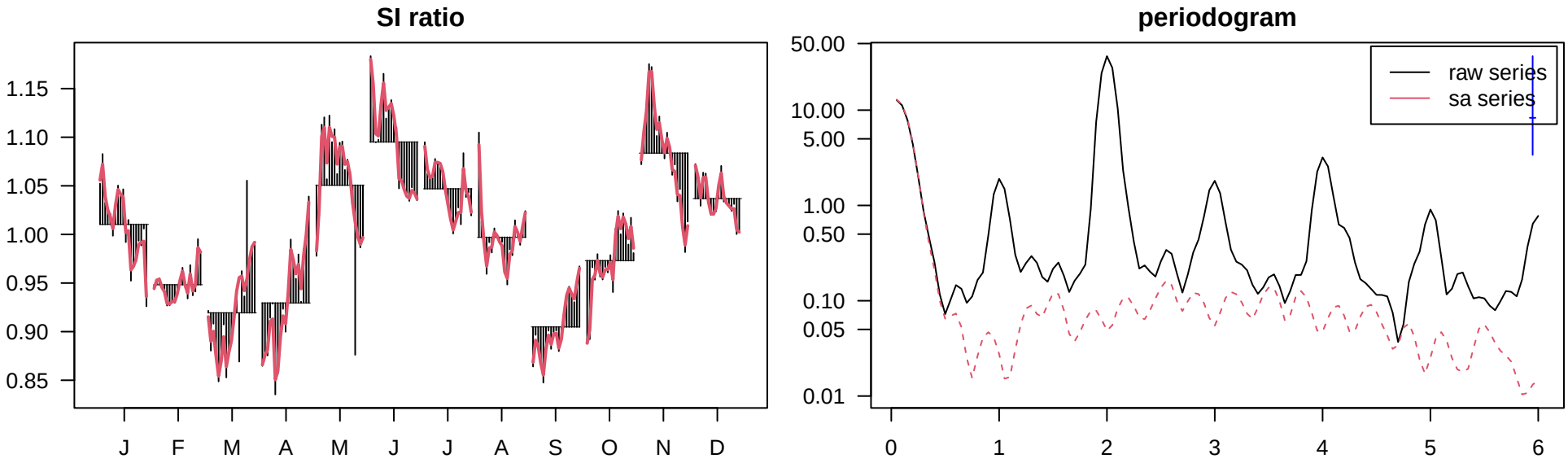
FATEXP_13

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2
1
0
−1
−2
−3
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

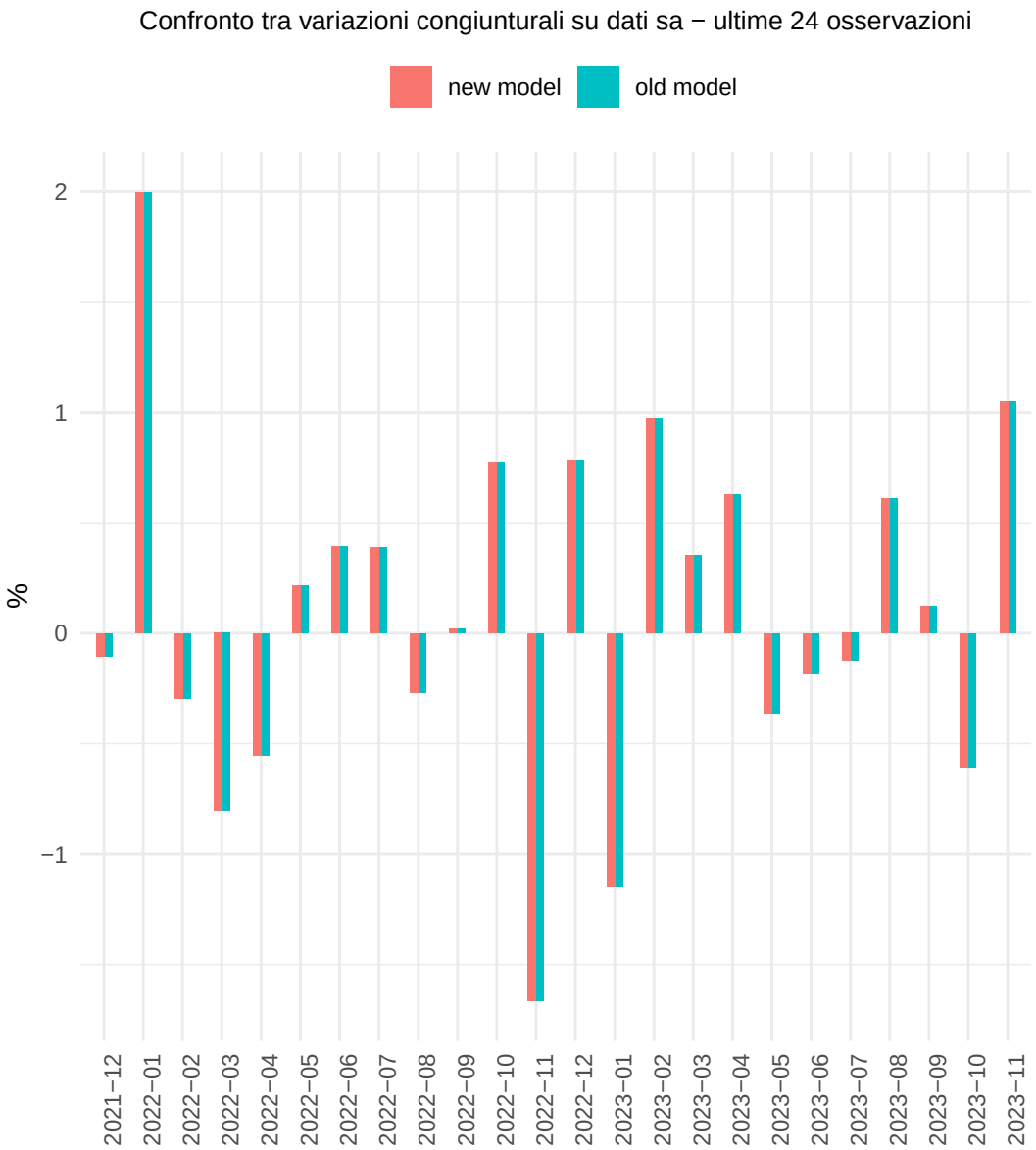

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

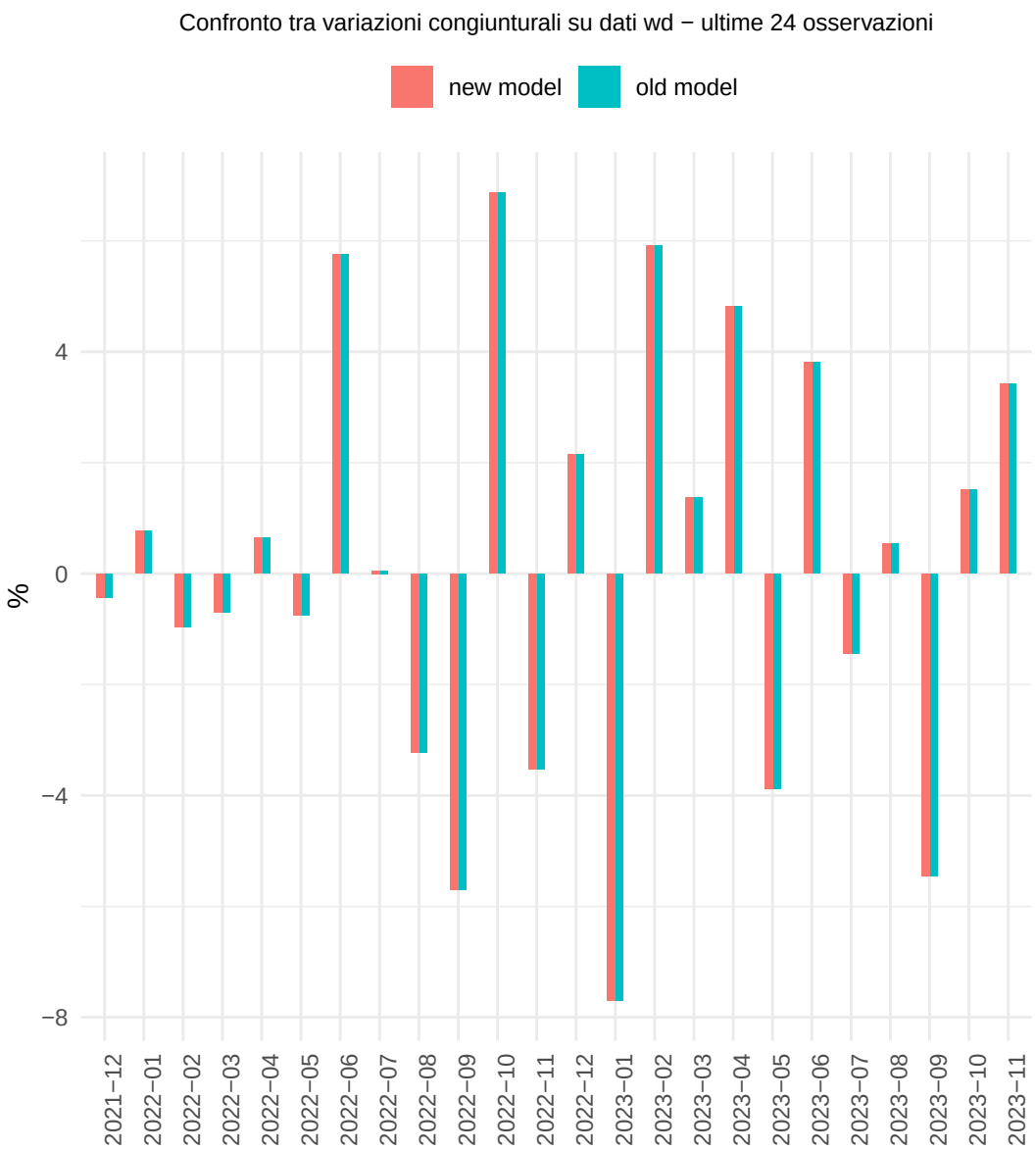

FATEXP_14
raw and wda
raw and sa
seasonality
outliers
65
60
55
50
45
40
115
110
105
100
95
90
85
1.10
1.05
1.00
0.95
0.90
2005
2010
2015
2020

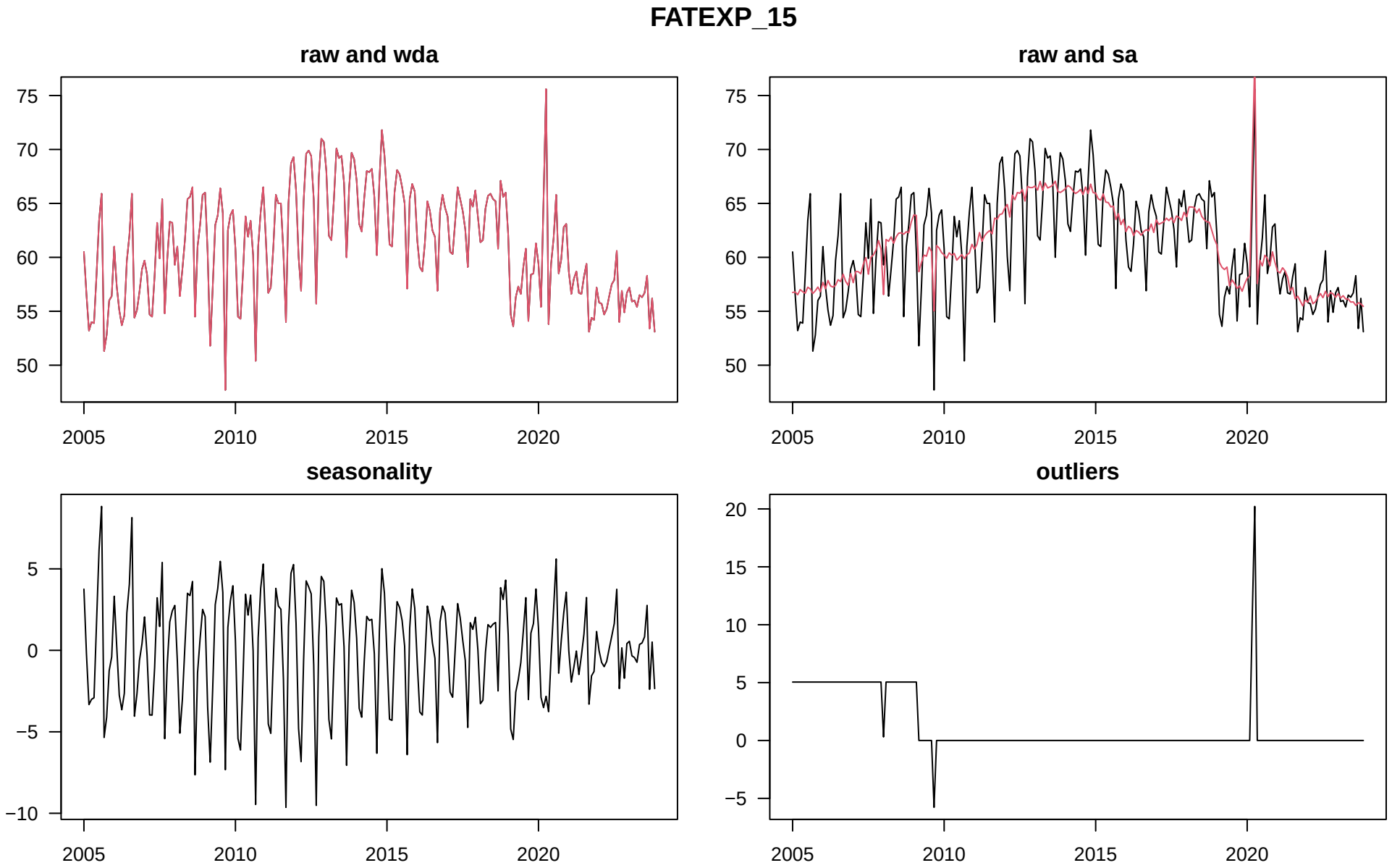
FATEXP_14


SI ratio
1.15
1.10
1.05
1.00
0.95
0.90
0.85
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
50.00
10.00
5.00
1.00
0.50
0.10
0.05
0.01
raw series
sa series
0
1
2
3
4
5
6

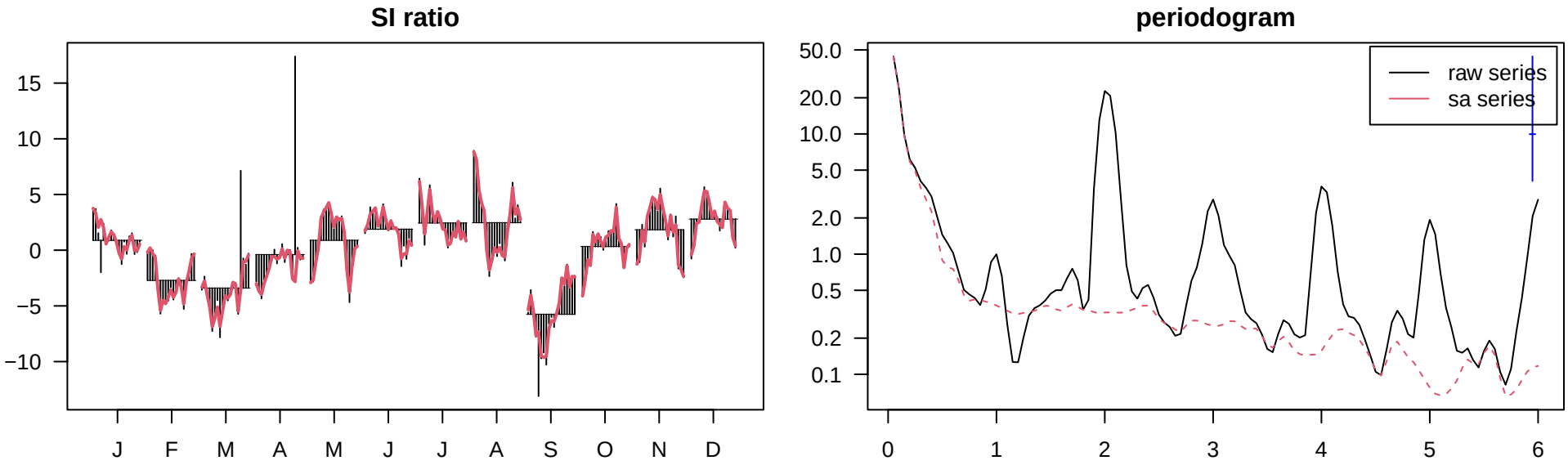
FATEXP_14


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2
1
0
−1
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
4
0
−4
−8
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

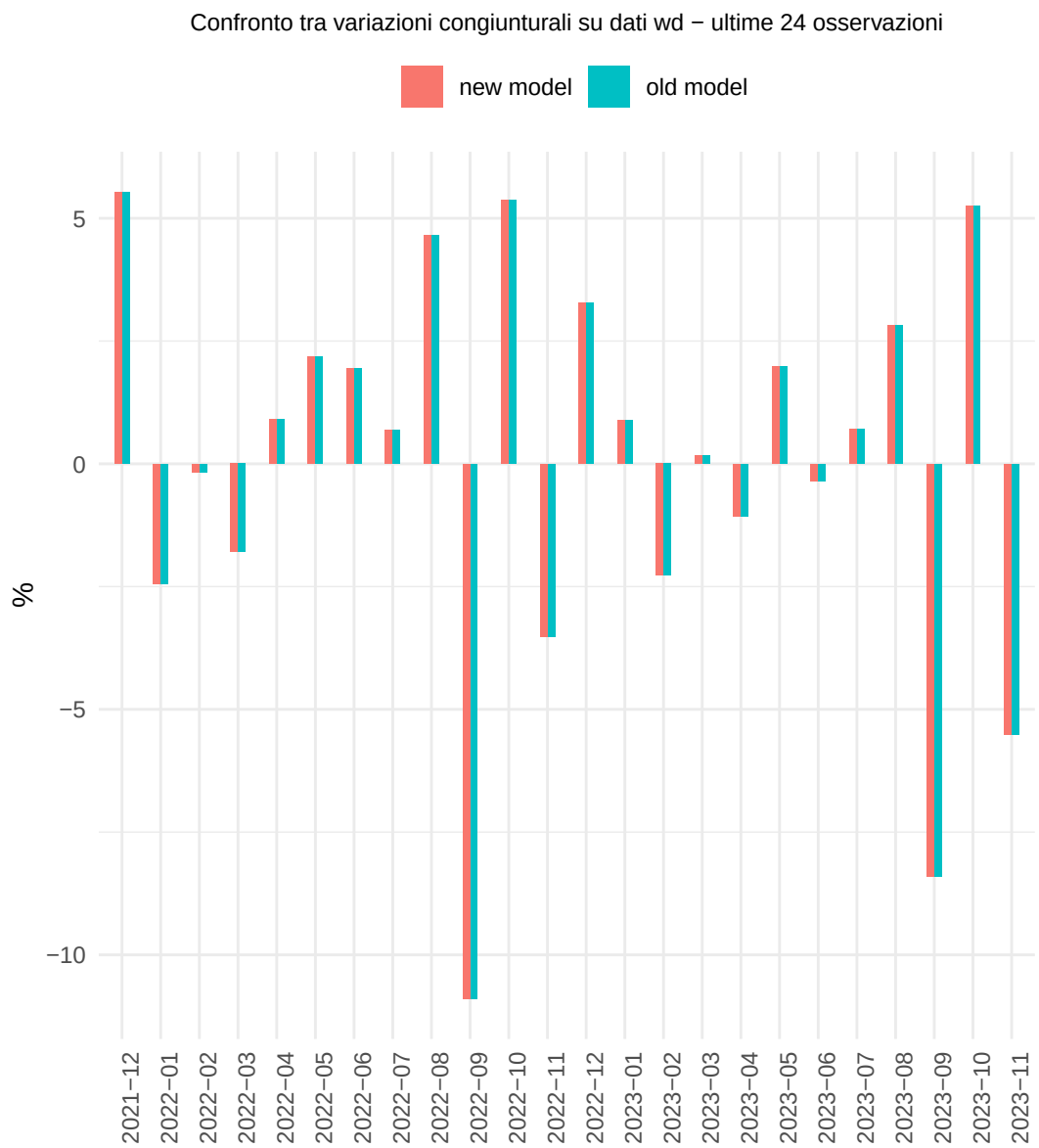

FATEXP_15
raw and wda
raw and sa
seasonality
outliers
75
70
65
60
55
50
20
15
10
5
0
−5
−10
2005
2010
2015
2020

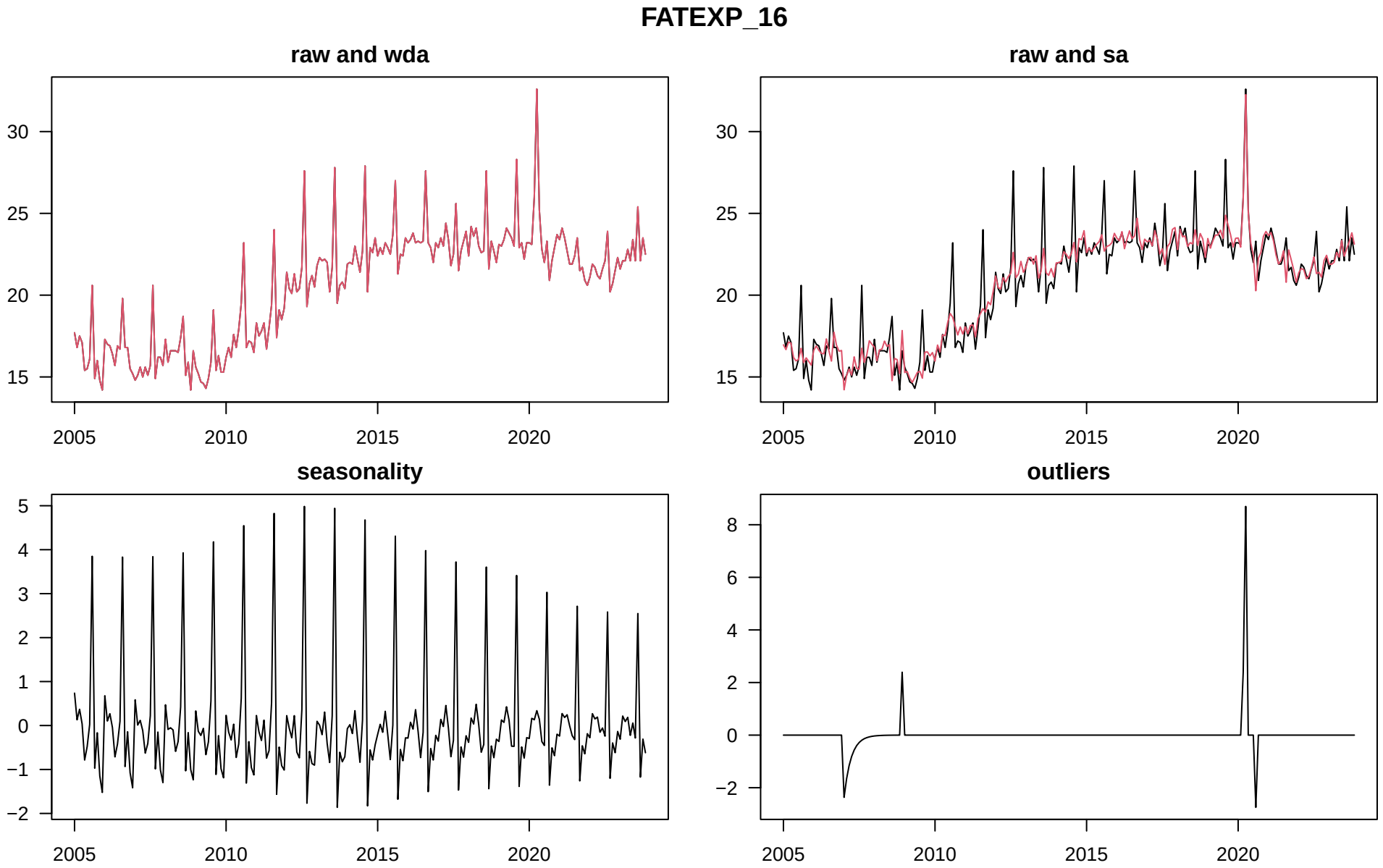
FATEXP_15


SI ratio
15
10
5
0
−5
−10
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0.1
raw series
sa series
0
1
2
3
4
5
6

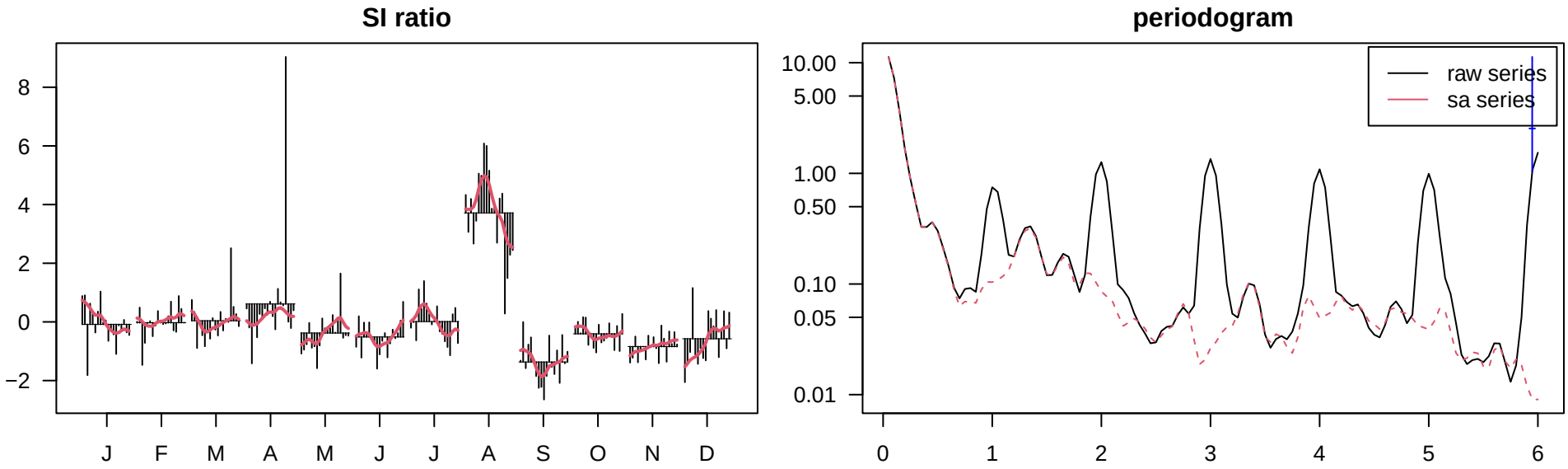
FATEXP_15

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
1.0
0.5
0.0
−0.5
−1.0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

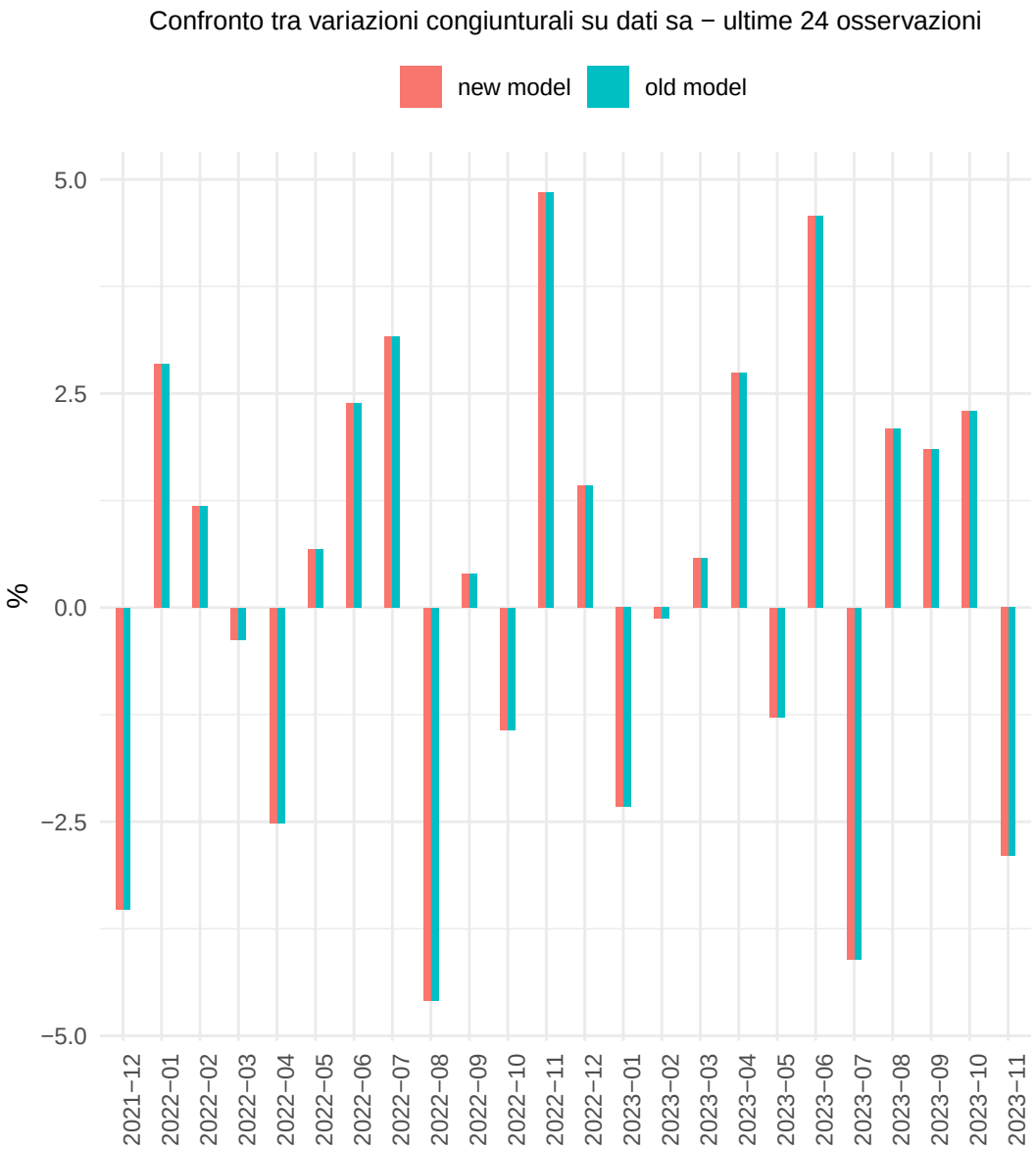

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
5
0
−5
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_16
raw and wda
raw and sa
seasonality
outliers
30
25
20
15
5
4
3
2
1
0
−1
−2
8
6
4
2
0
−2
2005
2010
2015
2020

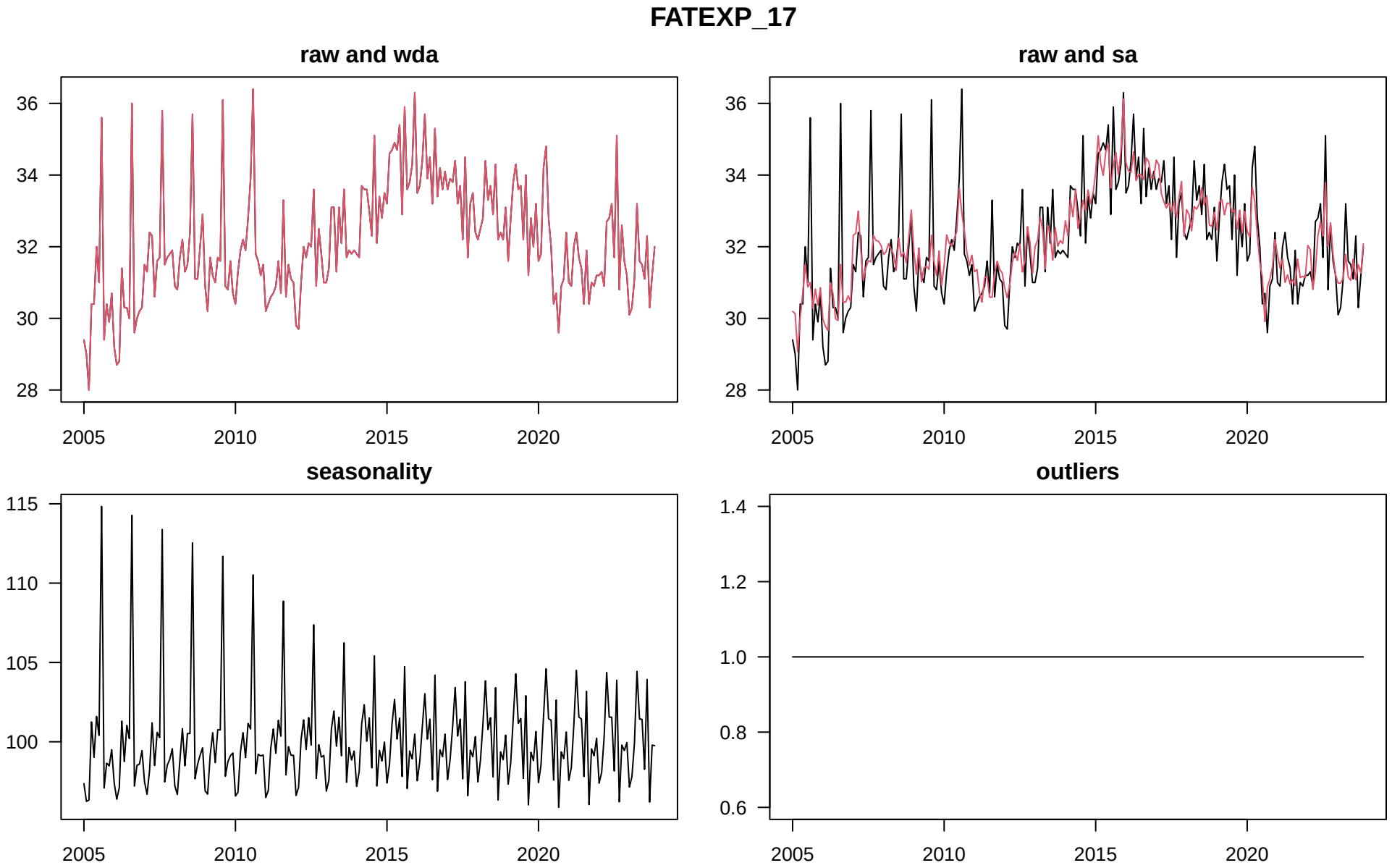
FATEXP_16


SI ratio
periodogram
8
6
4
2
0
−2
J
F
M
A
M
J
J
A
S
O
N
D
10.00
5.00
1.00
0.50
0.10
0.05
0.01
0
1
2
3
4
5
6
raw series
sa series

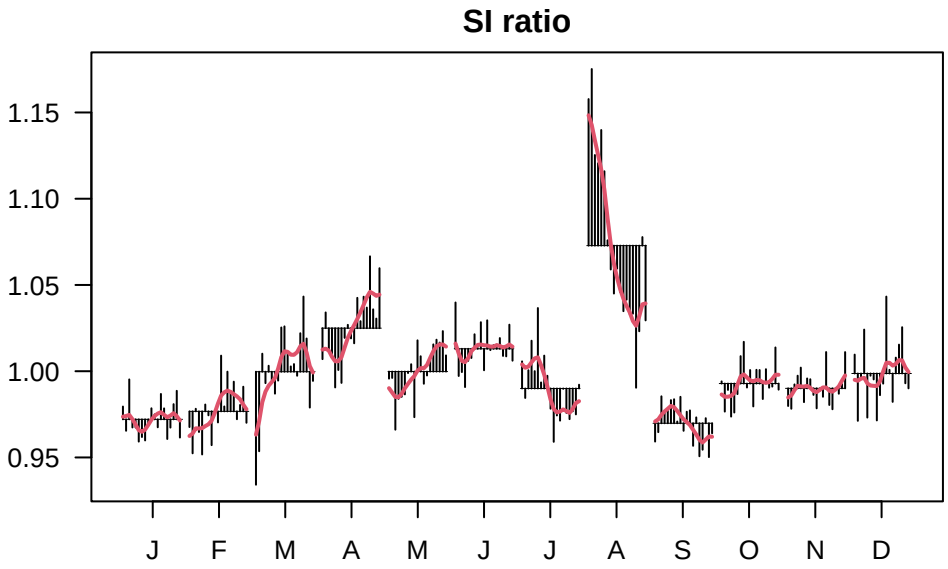
FATEXP_16

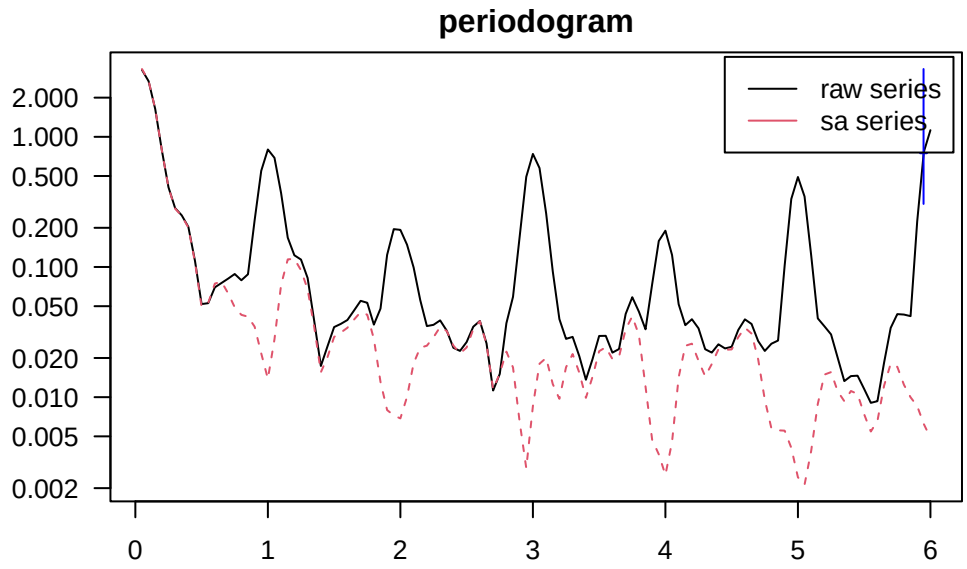

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5.0
2.5
0.0
−2.5
−5.0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_17
raw and wda
raw and sa
seasonality
outliers
36
34
32
30
28
115
110
105
100
1.4
1.2
1.0
0.8
0.6
2005
2010
2015
2020

FATEXP_17

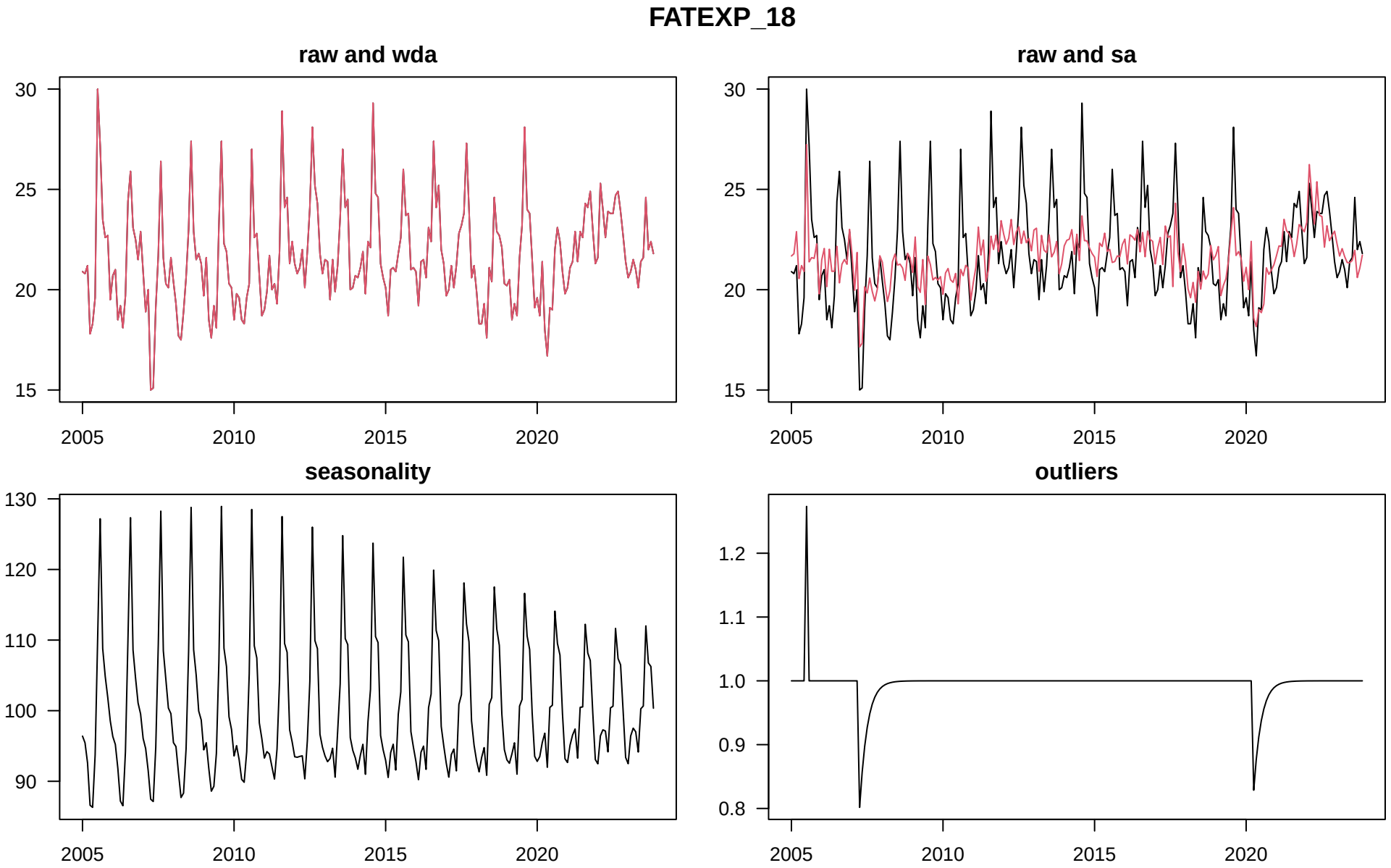

SI ratio
1.15
1.10
1.05
1.00
0.95
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
2.000
1.000
0.500
0.200
0.100
0.050
0.020
0.010
0.005
0.002
0
1
2
3
4
5
6

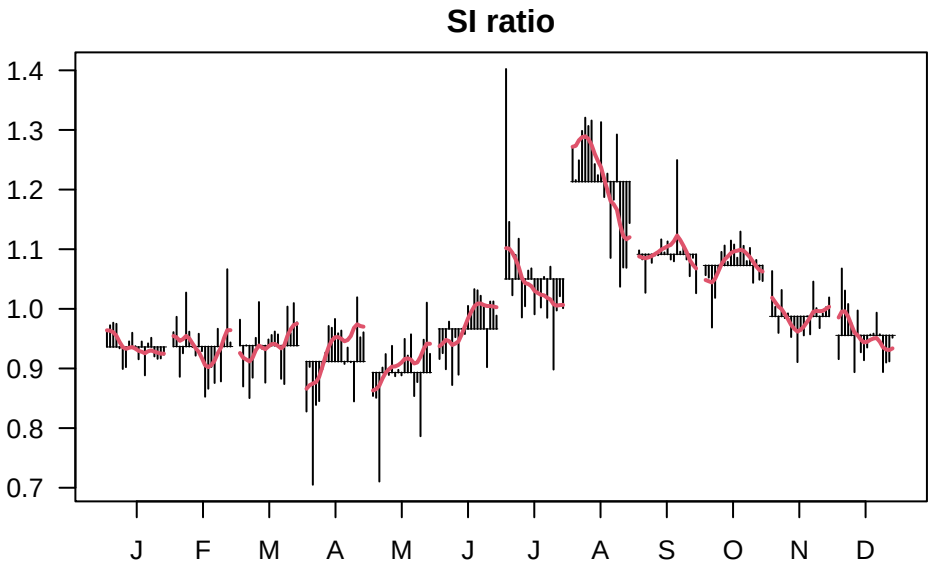
FATEXP_17

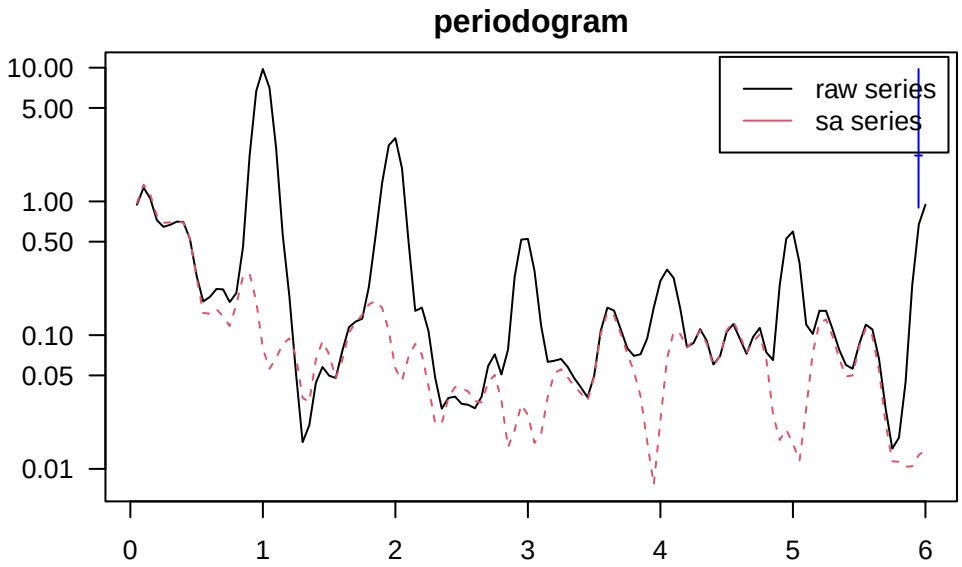
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5.0
2.5
0.0
−2.5
−5.0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_18
raw and wda
raw and sa
seasonality
outliers
30
25
20
15
130
120
110
100
90
1.2
1.1
1.0
0.9
0.8
2005
2010
2015
2020

FATEXP_18

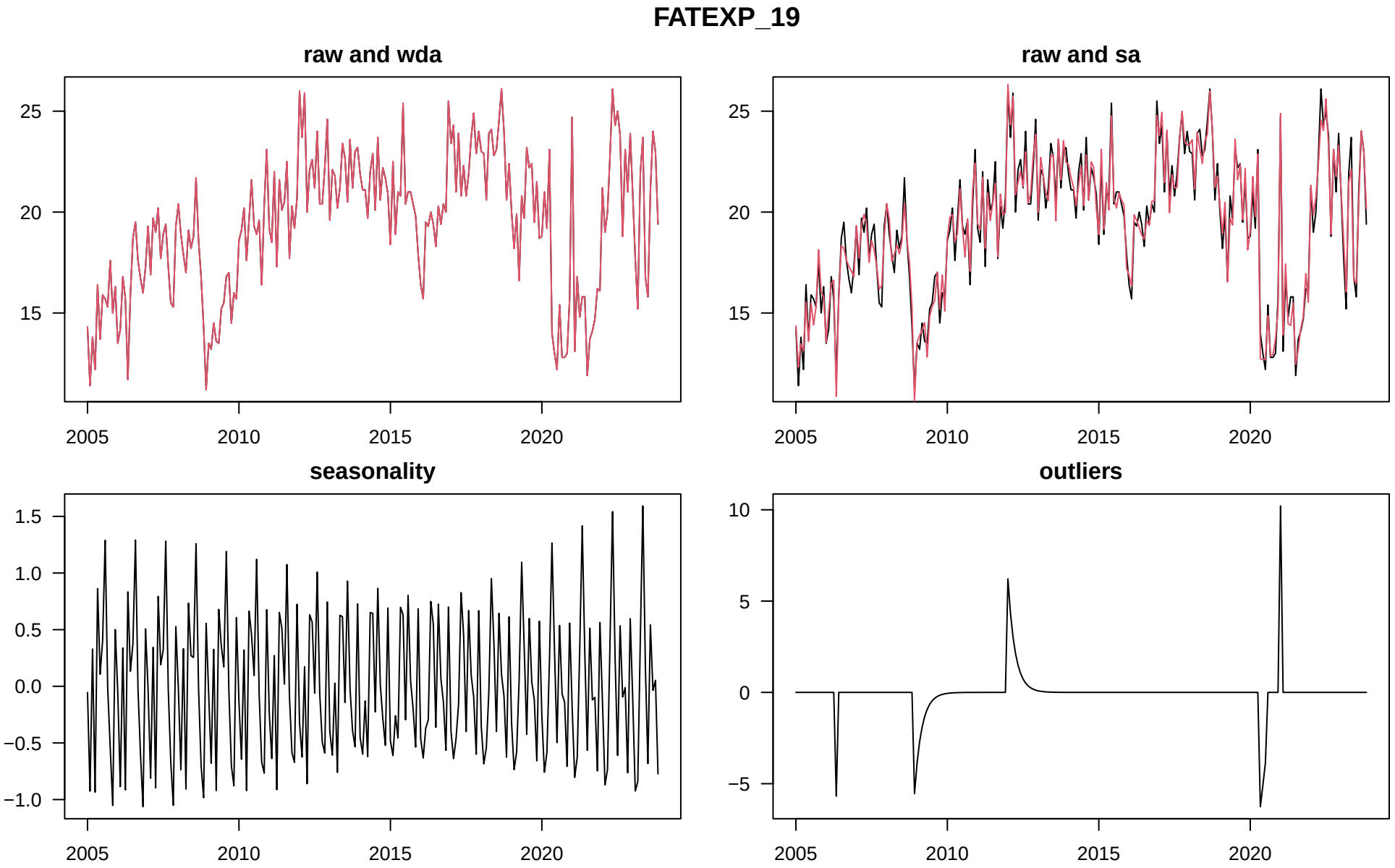

SI ratio
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
10.00
5.00
1.00
0.50
0.10
0.05
0.01
raw series
sa series
0
1
2
3
4
5
6

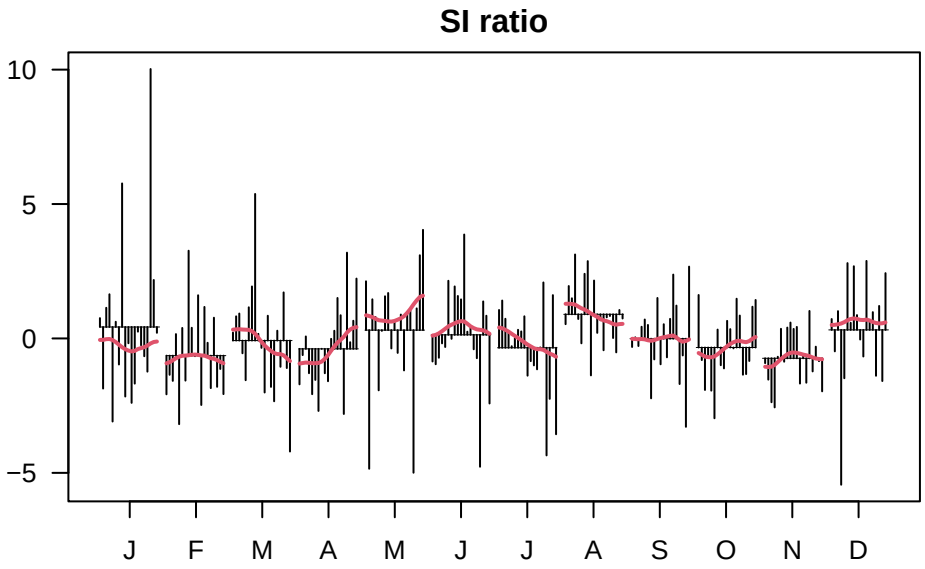
FATEXP_18

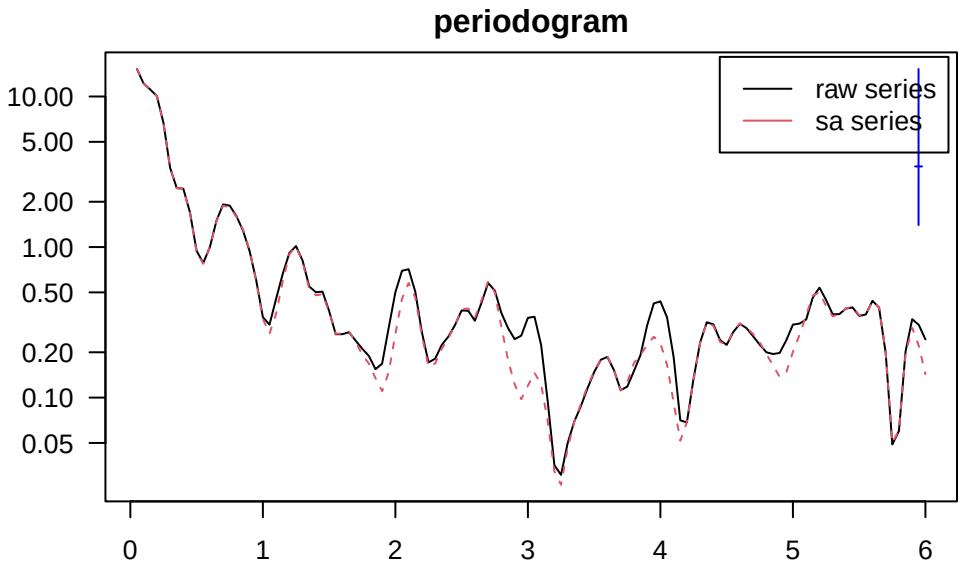
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_19
raw and wda
raw and sa
seasonality
outliers
25
20
15
1.5
1.0
0.5
0.0
−0.5
−1.0
10
5
0
−5
2005
2010
2015
2020

FATEXP_19

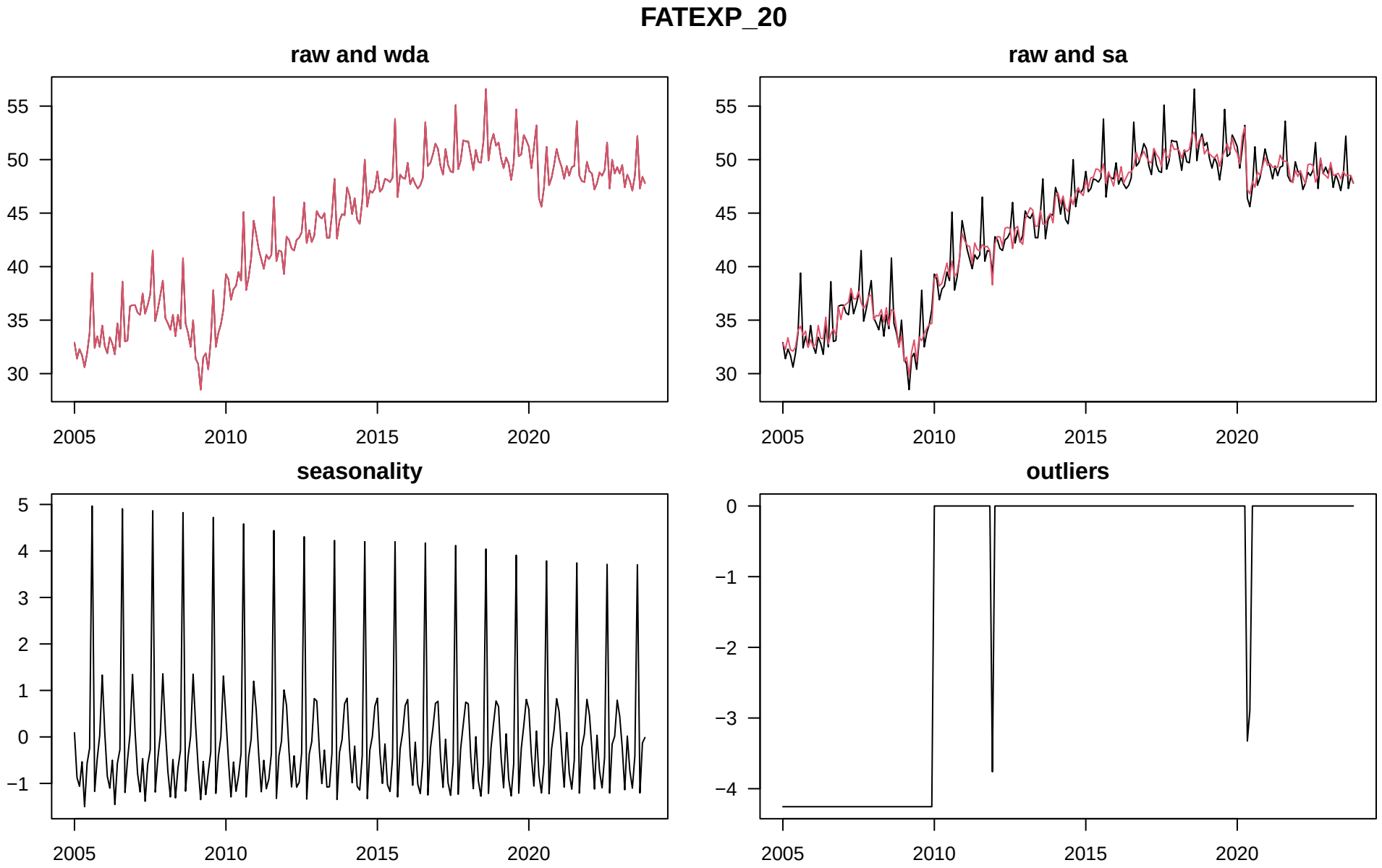

SI ratio
10
5
0
−5
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0
1
2
3
4
5
6

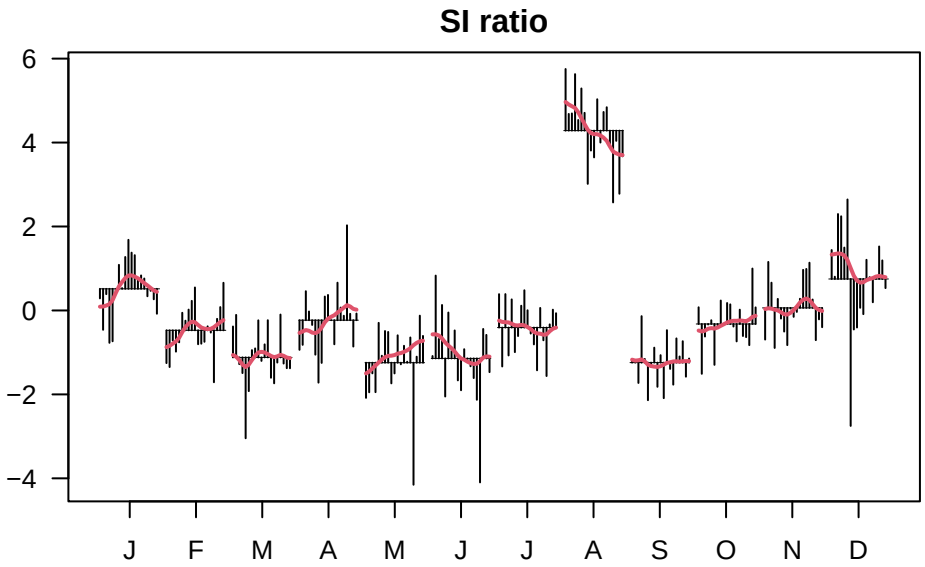
FATEXP_19

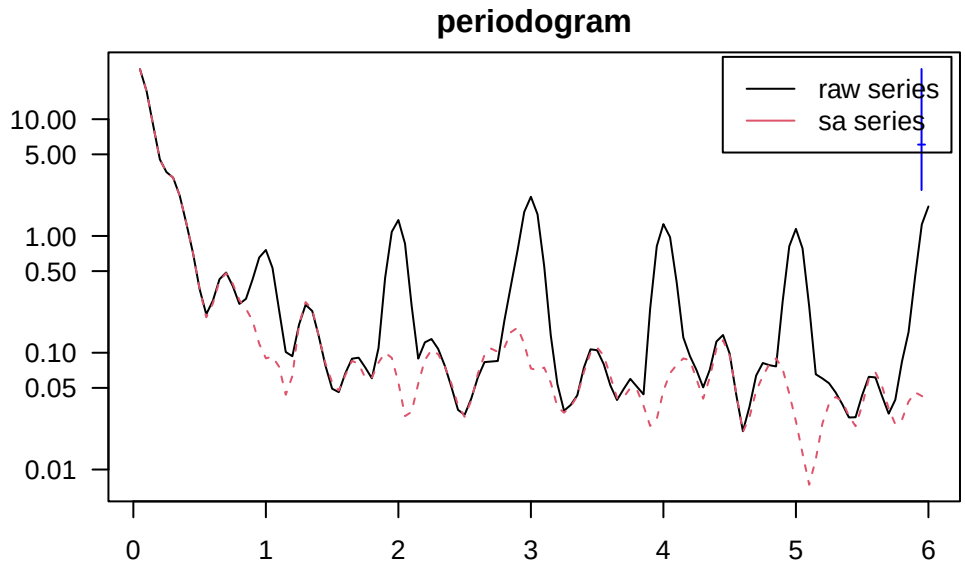
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_20
raw and wda
raw and sa
seasonality
outliers
55
50
45
40
35
30
5
4
3
2
1
0
−1
−2
−3
−4
2005
2010
2015
2020

FATEXP_20

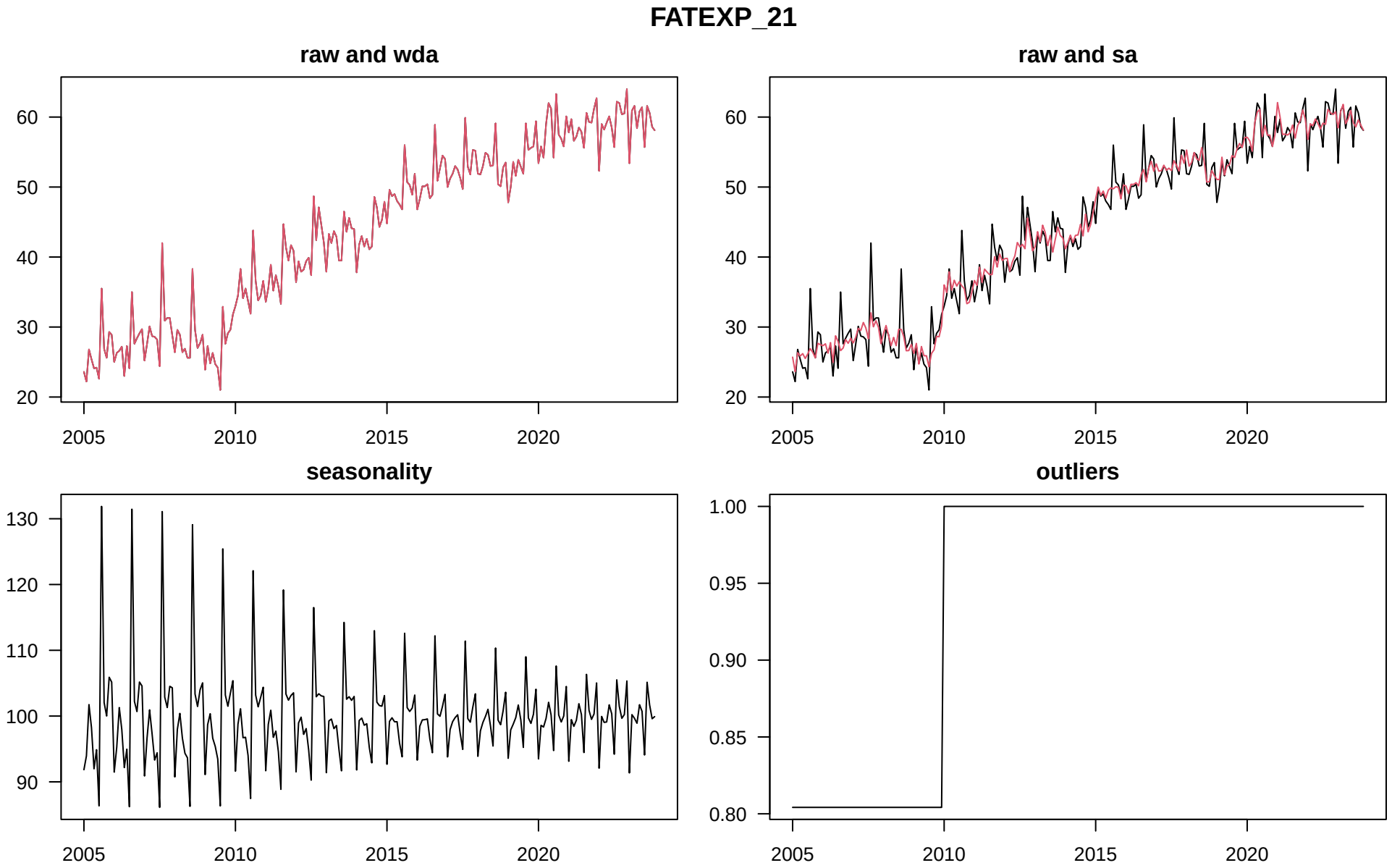

SI ratio
6
4
2
0
−2
−4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
10.00
5.00
1.00
0.50
0.10
0.05
0.01
0
1
2
3
4
5
6

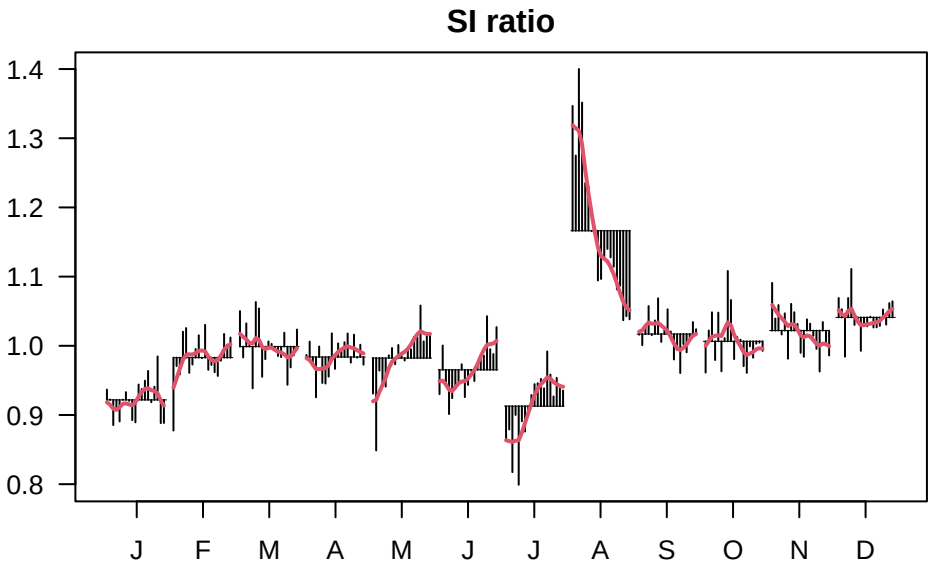
FATEXP_20

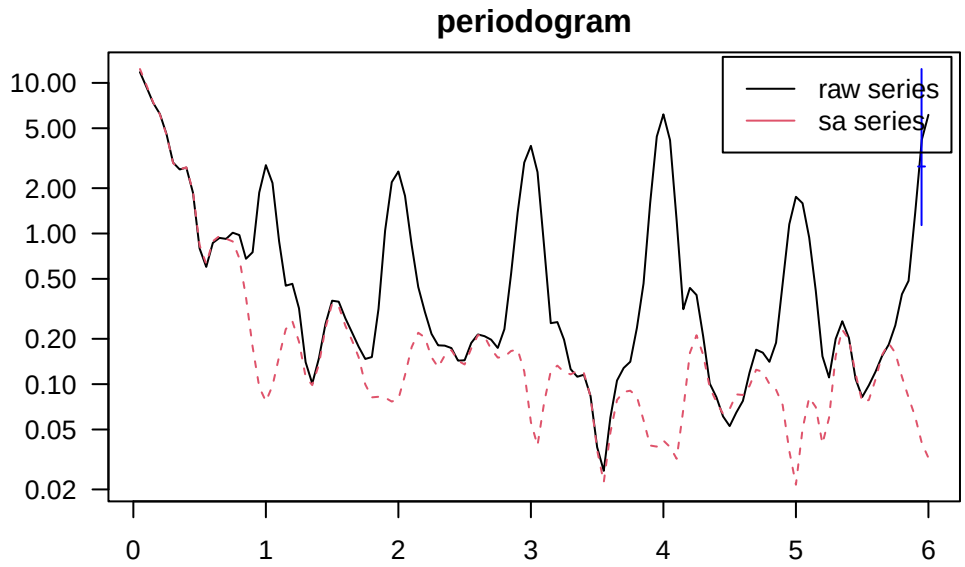
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
2
0
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
5
0
−5
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_21
raw and wda
raw and sa
seasonality
outliers
60
50
40
30
20
130
120
110
100
90
1.00
0.95
0.90
0.85
0.80
2005
2010
2015
2020

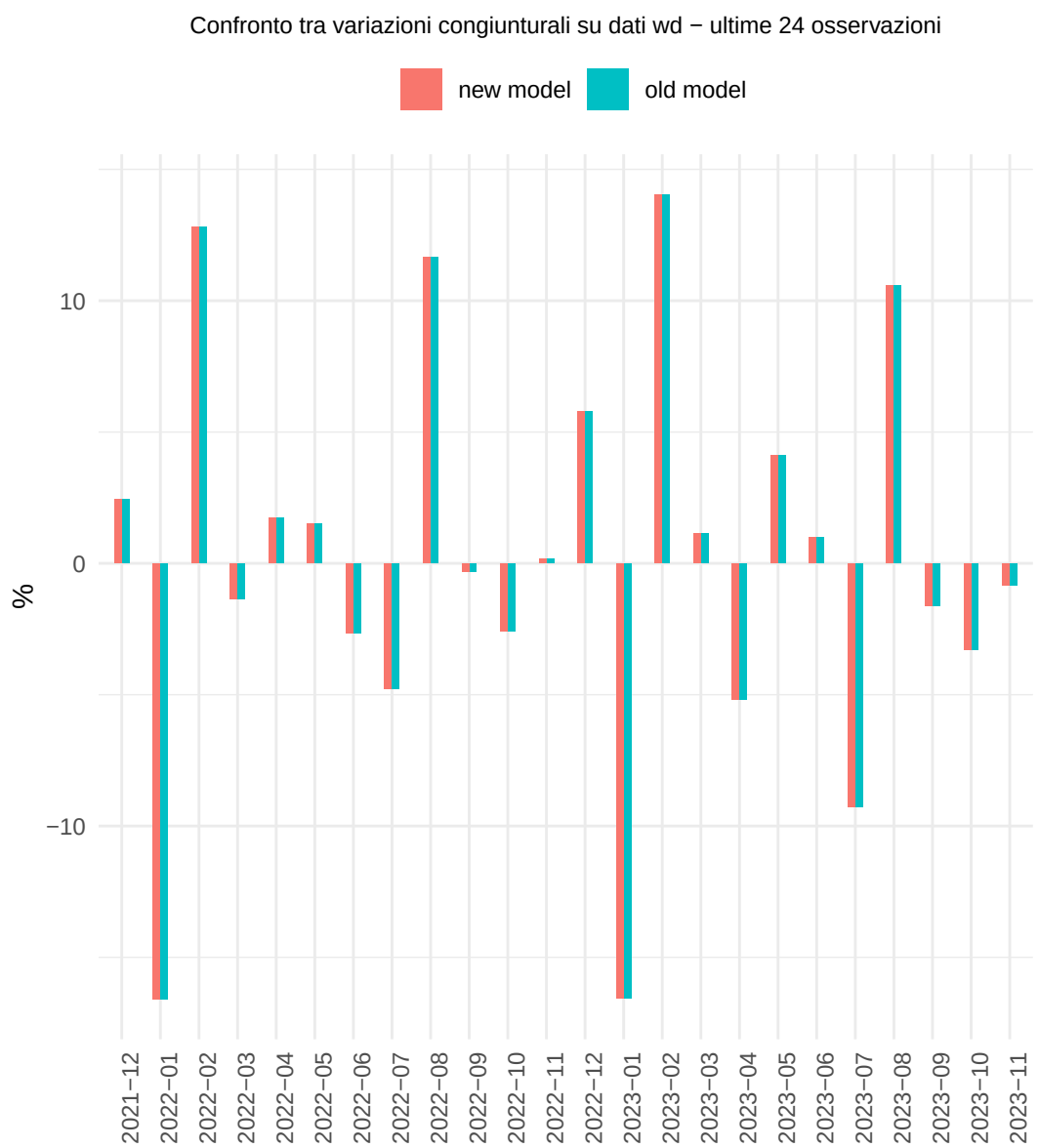
FATEXP_21

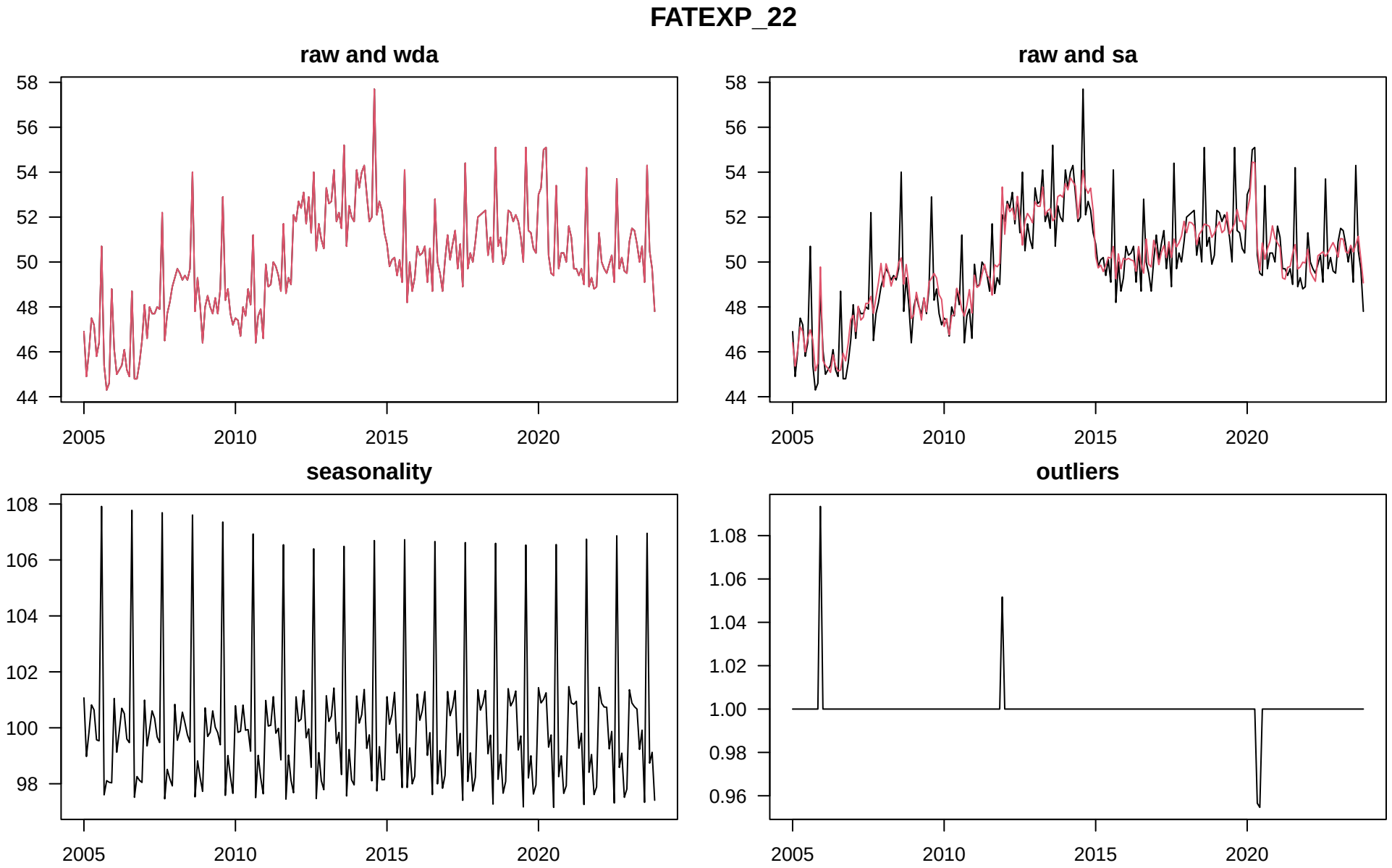

SI ratio
1.4
1.3
1.2
1.1
1.0
0.9
0.8
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0
1
2
3
4
5
6

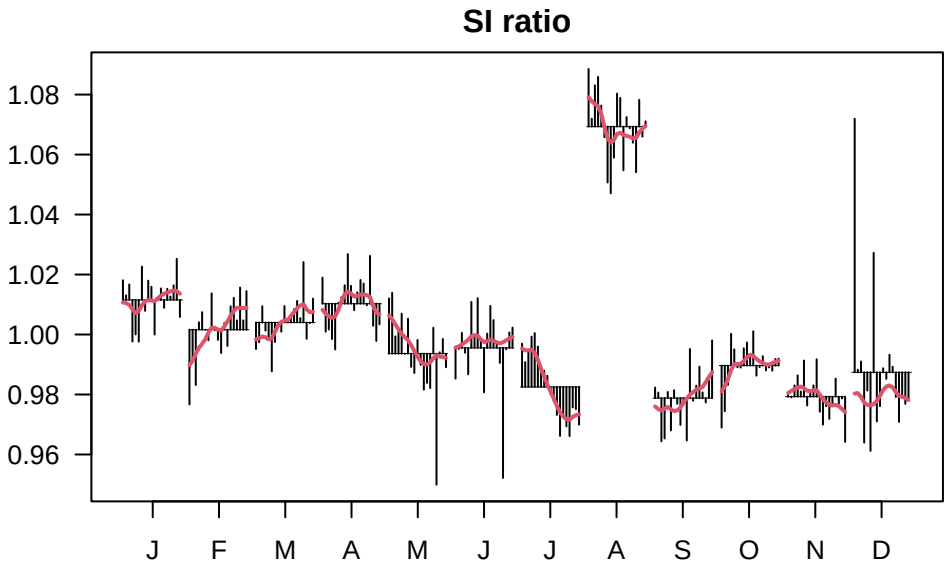
FATEXP_21

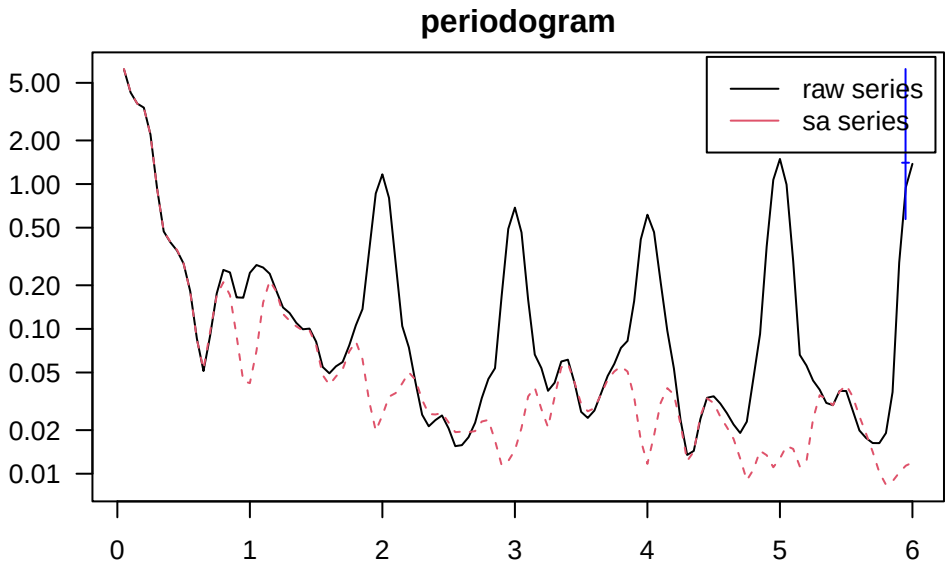
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2.5
0.0
−2.5
−5.0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_22
raw and wda
raw and sa
seasonality
outliers
58
56
54
52
50
48
46
44
108
106
104
102
100
98
1.08
1.06
1.04
1.02
1.00
0.98
0.96
2005
2010
2015
2020

FATEXP_22

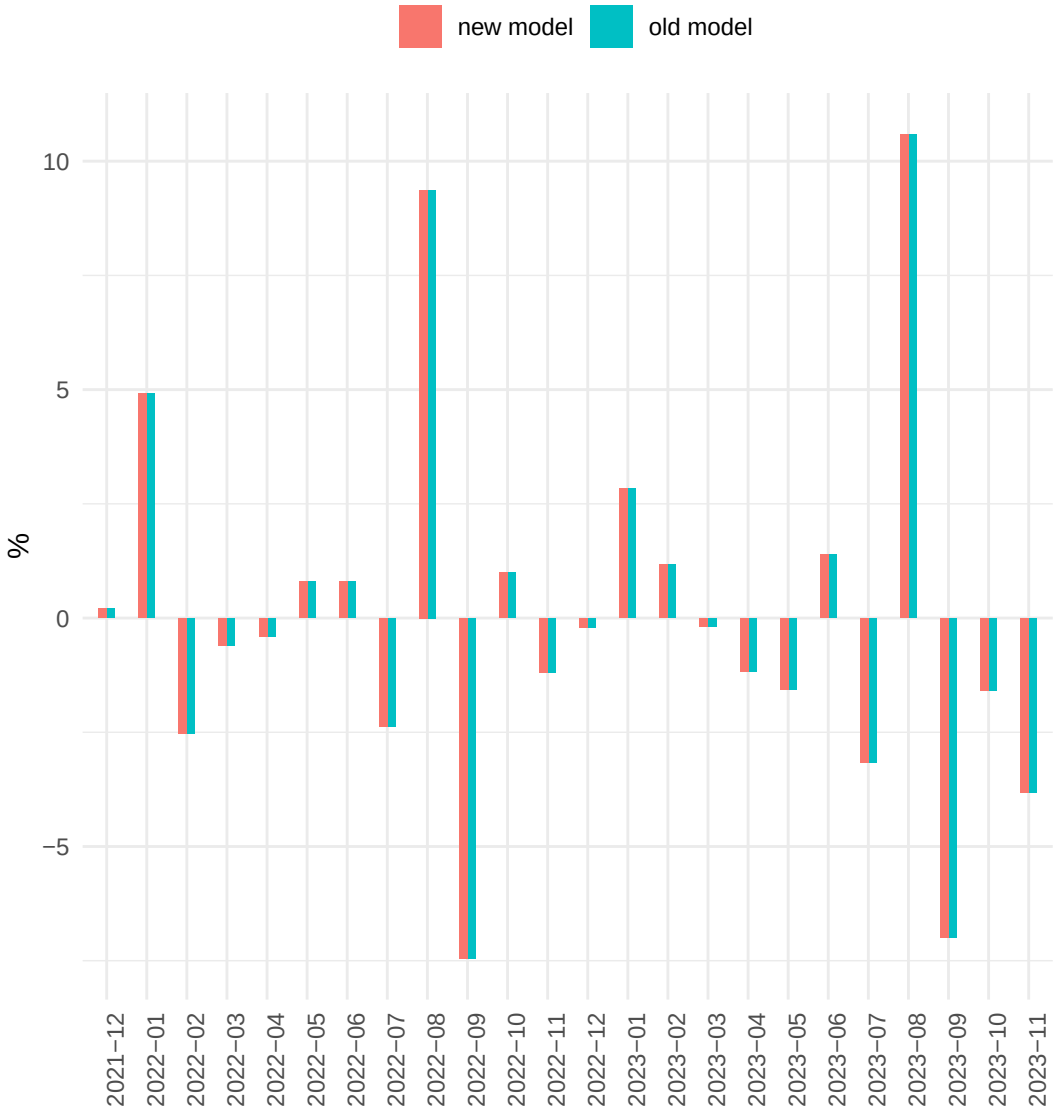

SI ratio
1.08
1.06
1.04
1.02
1.00
0.98
0.96
J
F
M
A
M
J
J
A
S
O
N
D

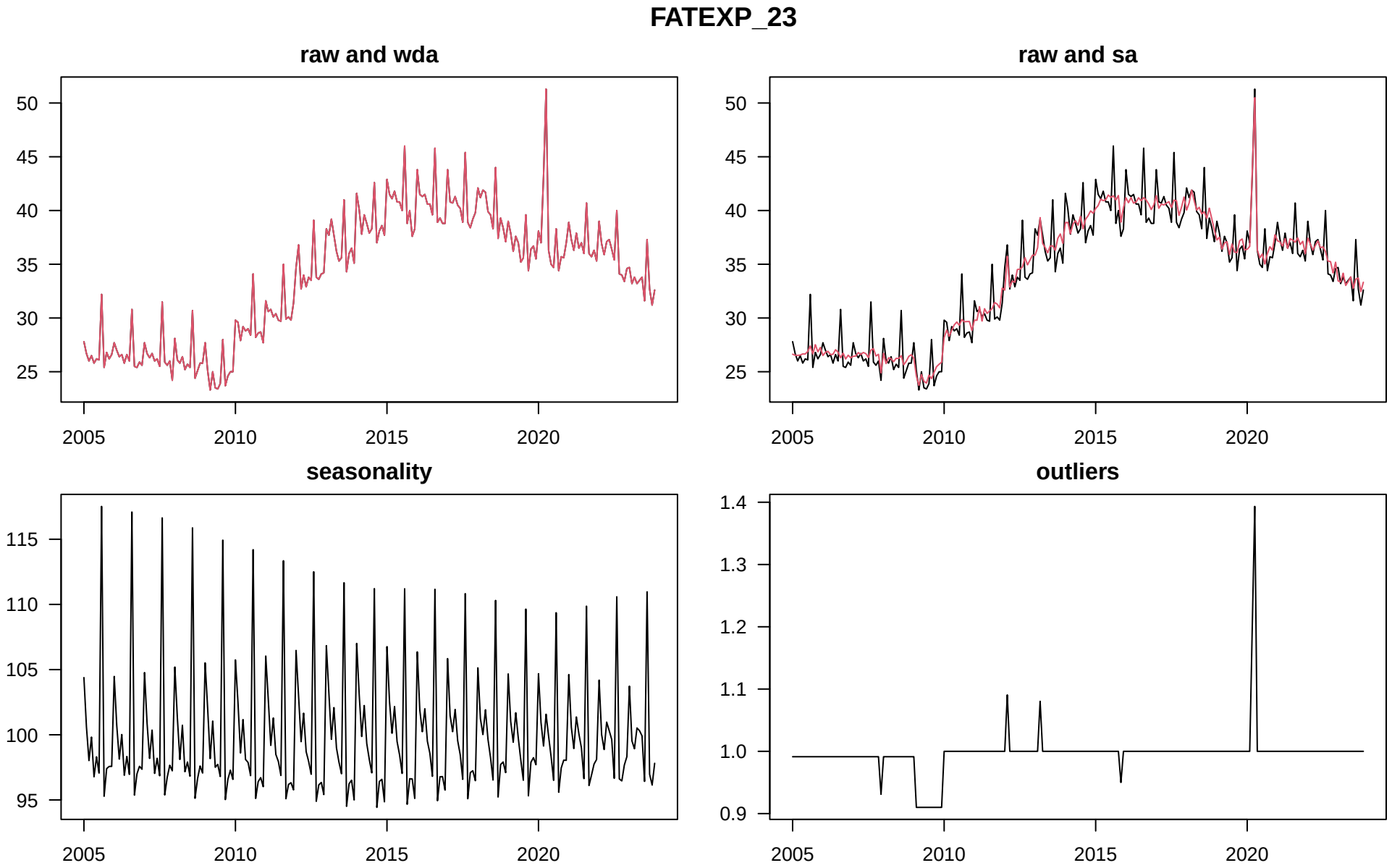

periodogram
raw series
sa series
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0.01
0
1
2
3
4
5
6

FATEXP_22

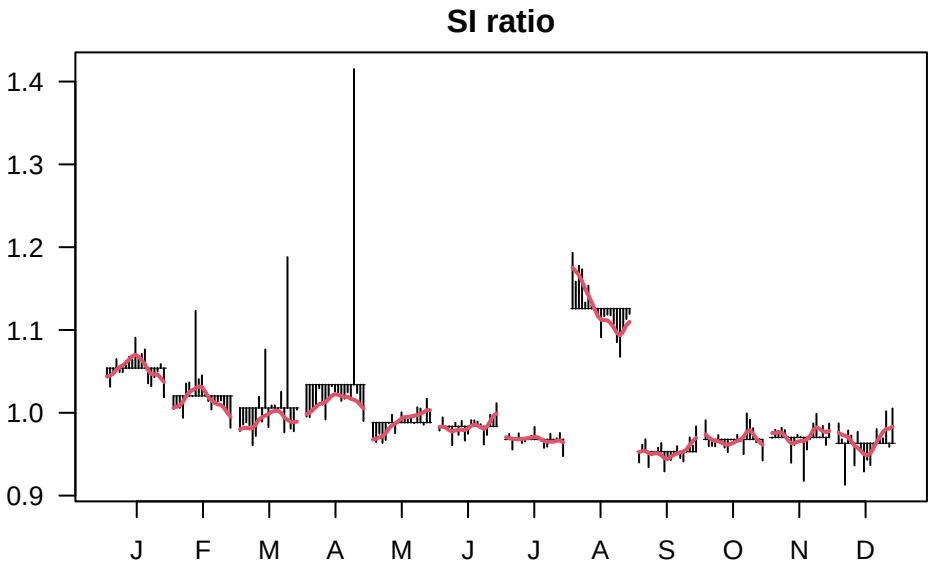
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni

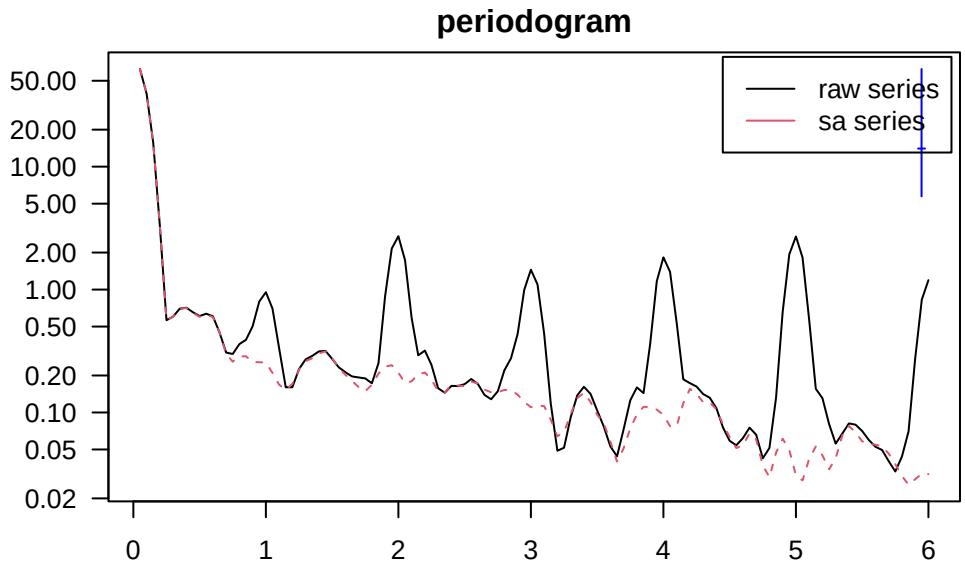
Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni




FATEXP_23
raw and wda
raw and sa
seasonality
outliers
50
45
40
35
30
25
115
110
105
100
95
1.4
1.3
1.2
1.1
1.0
0.9
2005
2010
2015
2020

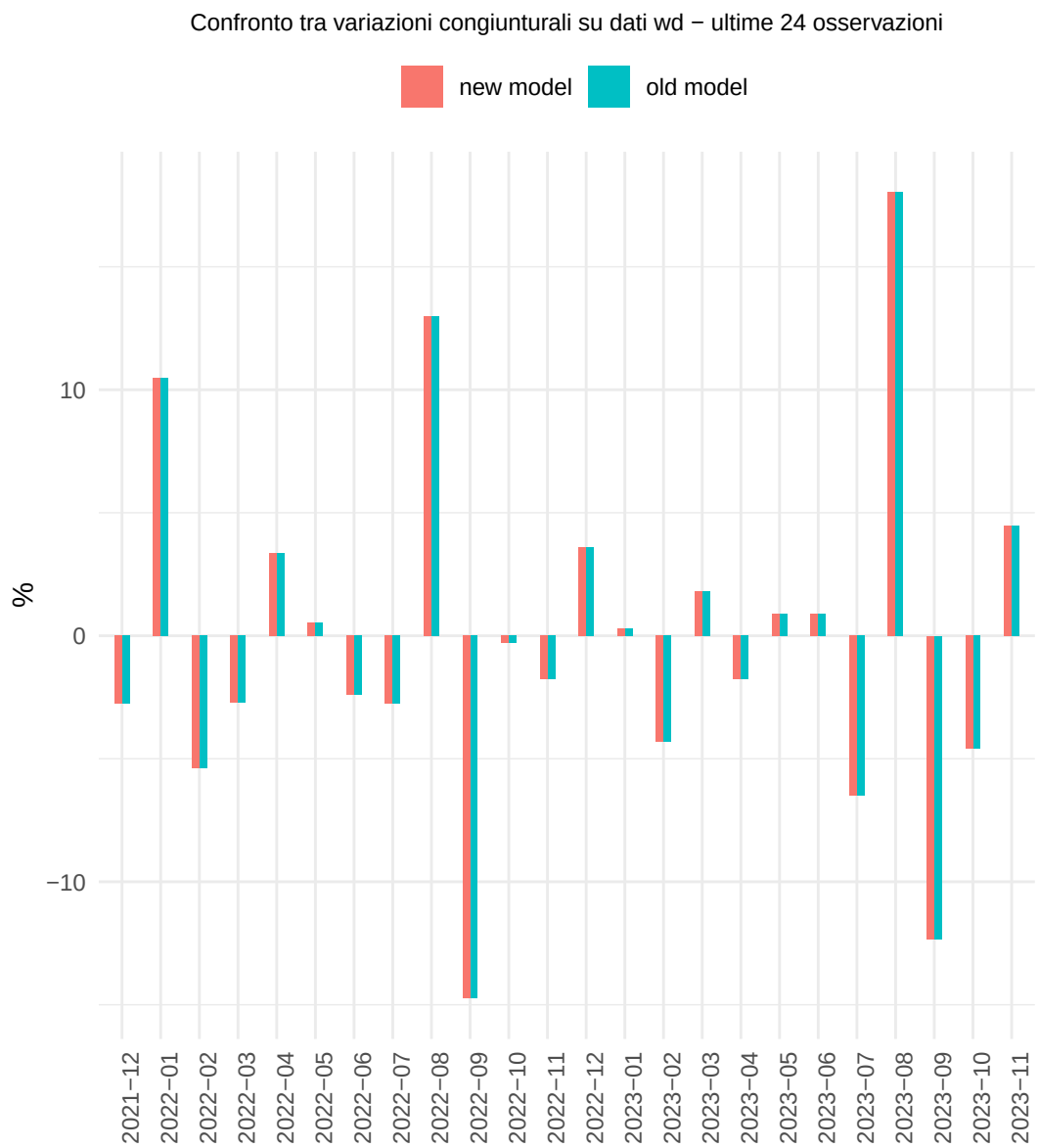
FATEXP_23

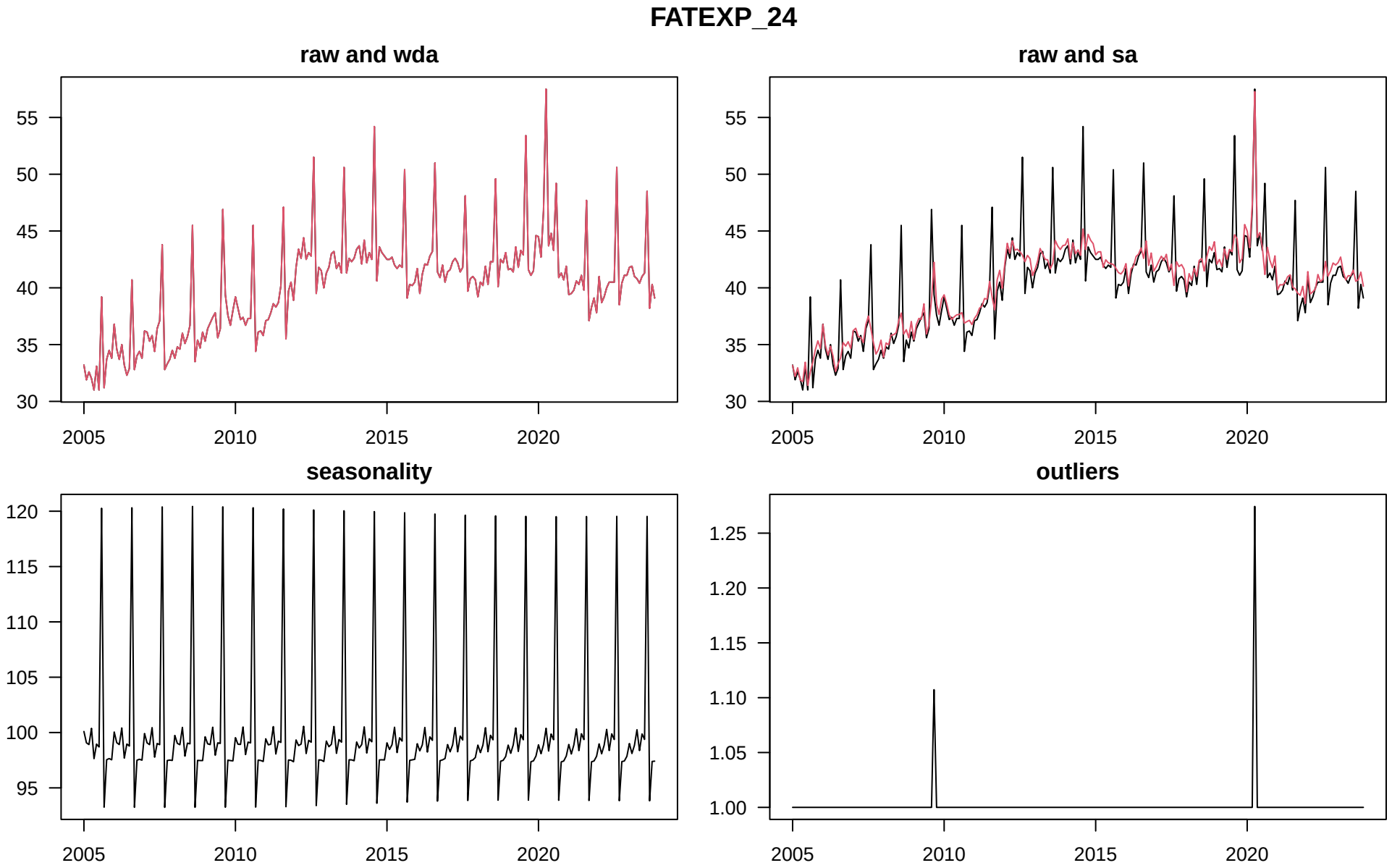

SI ratio
1.4
1.3
1.2
1.1
1.0
0.9
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
50.00
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0
1
2
3
4
5
6

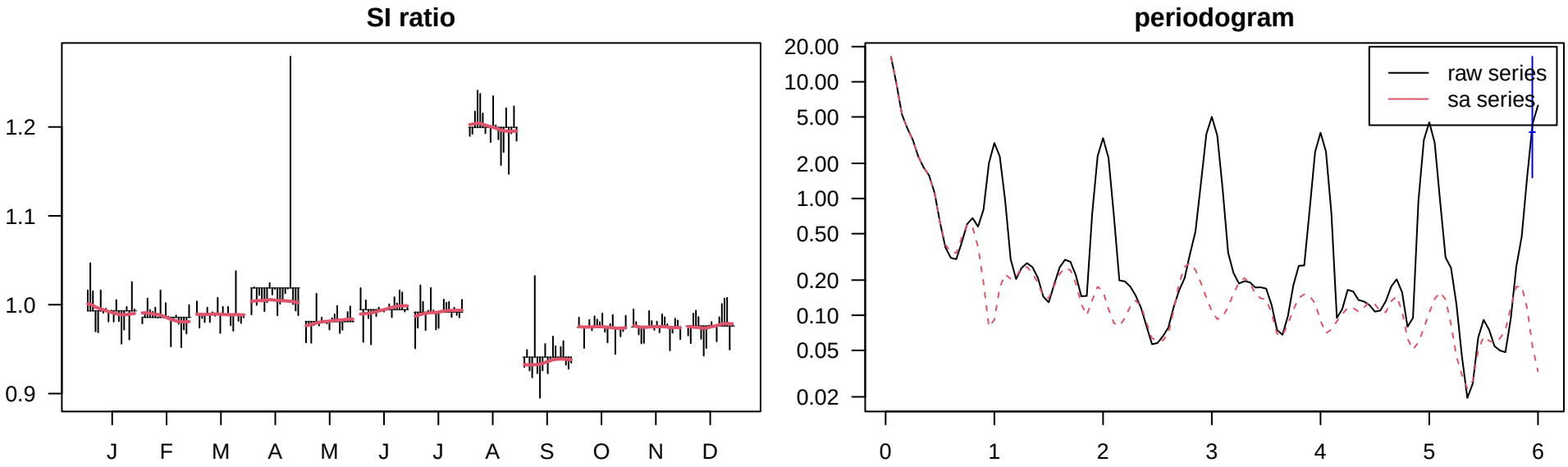
FATEXP_23

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2.5
0.0
−2.5
−5.0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

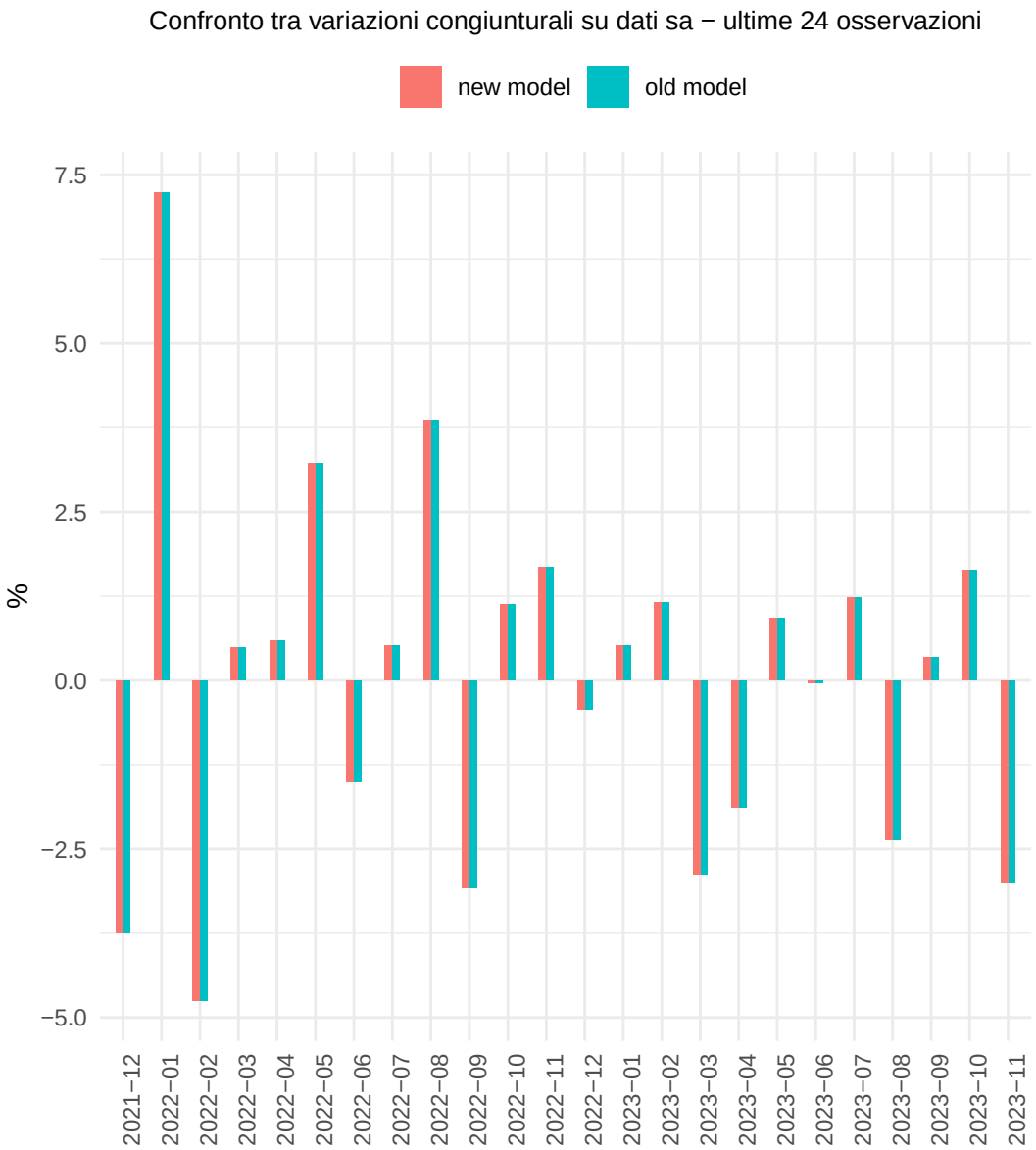

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

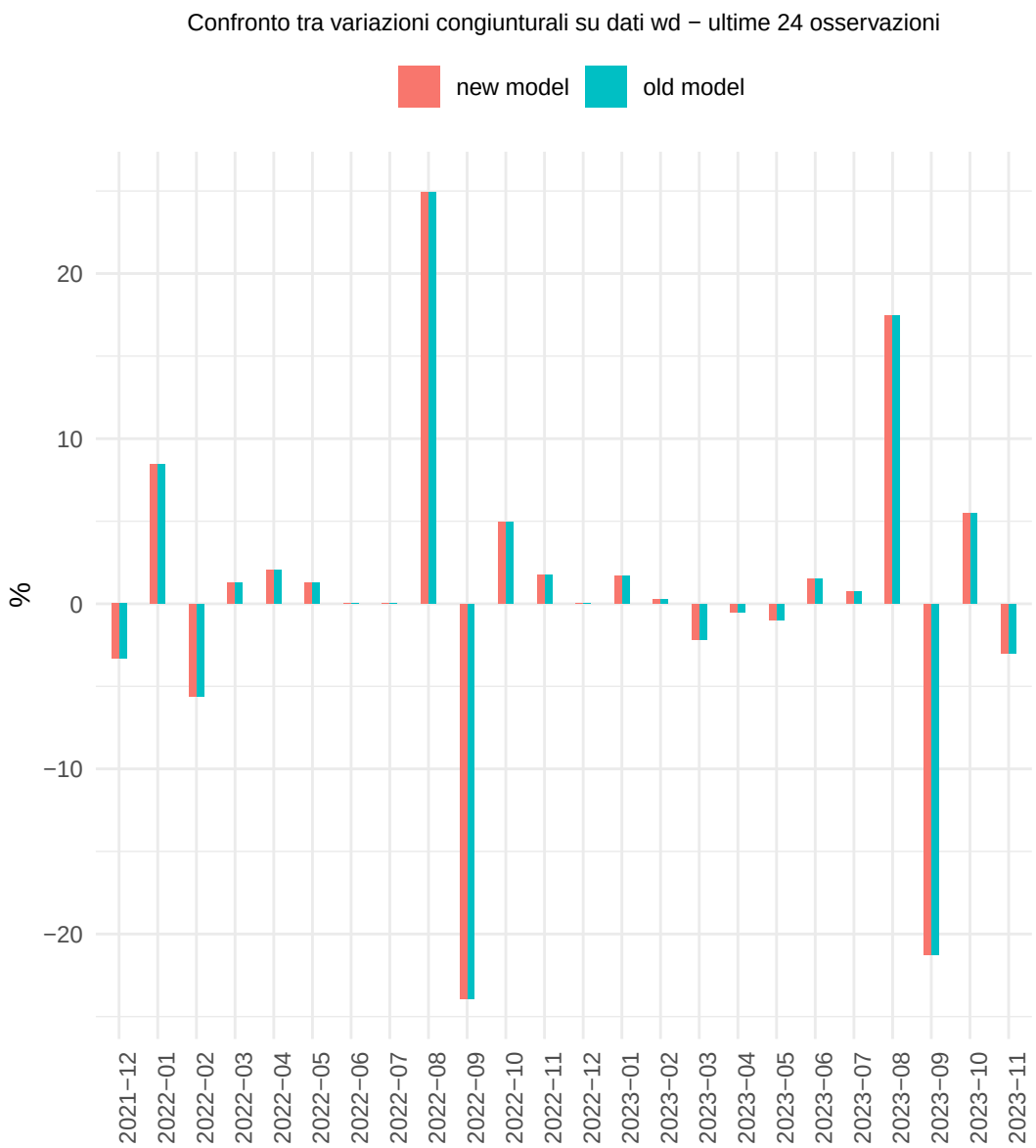

FATEXP_24
raw and wda
raw and sa
seasonality
outliers
55
50
45
40
35
30
120
115
110
105
100
95
1.25
1.20
1.15
1.10
1.05
1.00
2005
2010
2015
2020

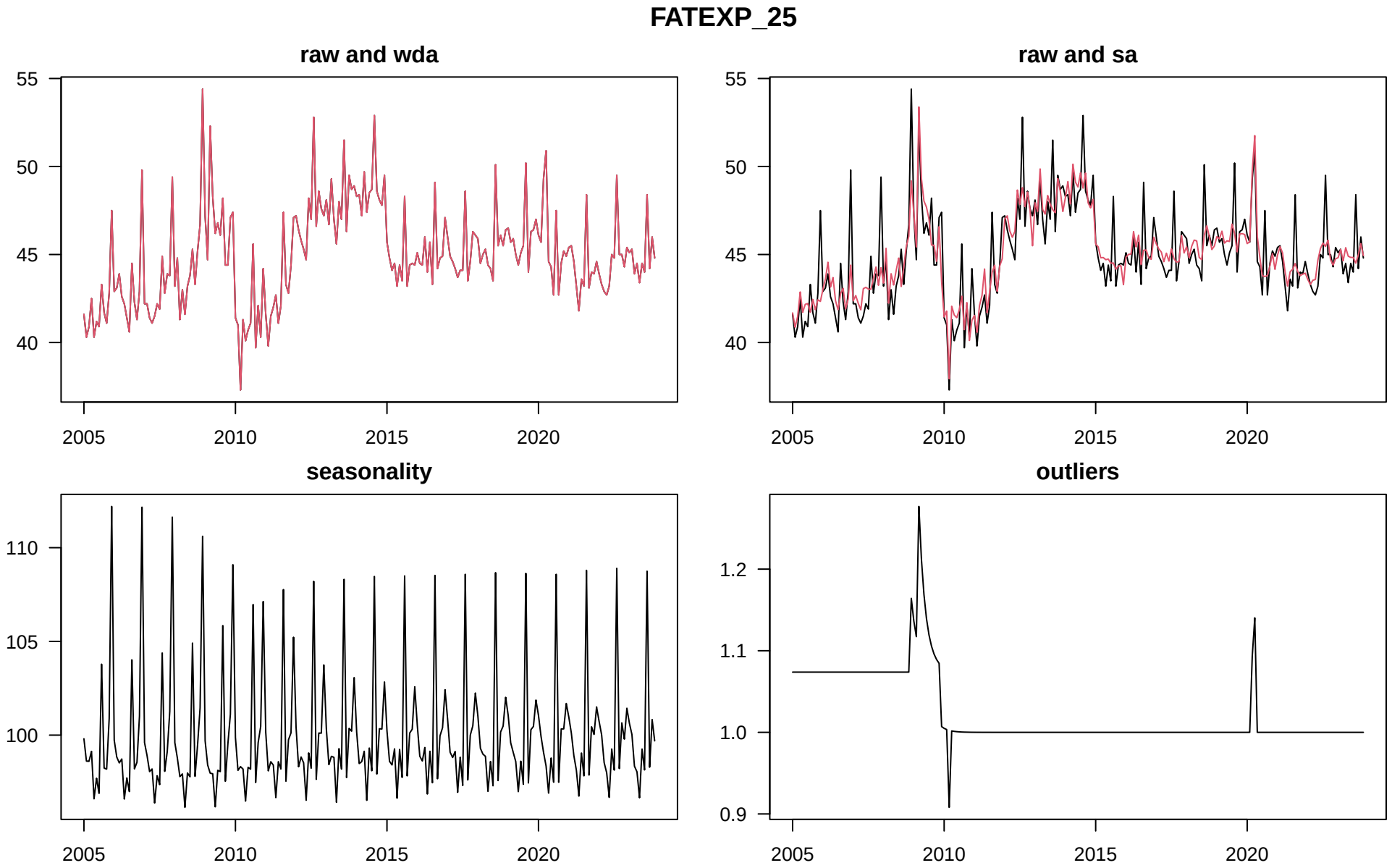
FATEXP_24


SI ratio
1.2
1.1
1.0
0.9
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
0
1
2
3
4
5
6
raw series
sa series

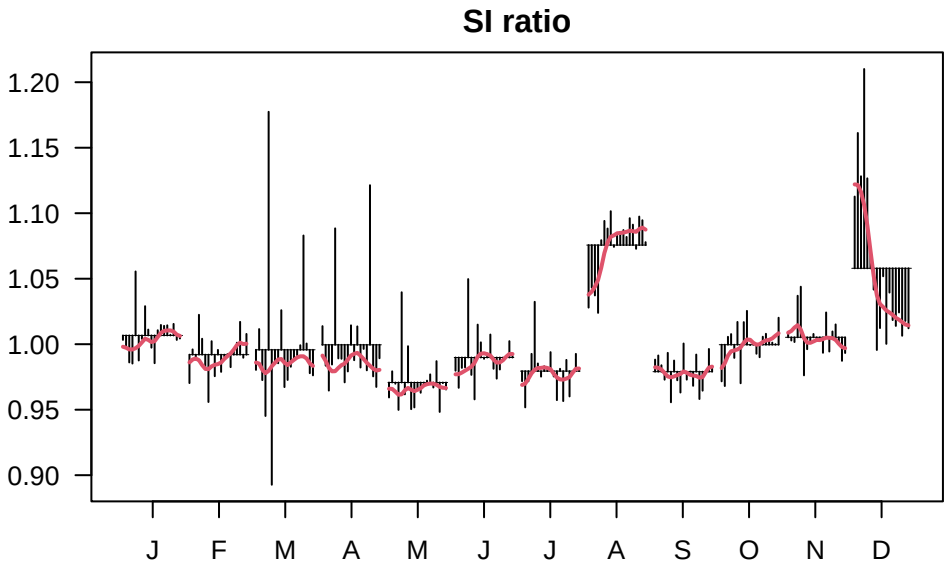
FATEXP_24

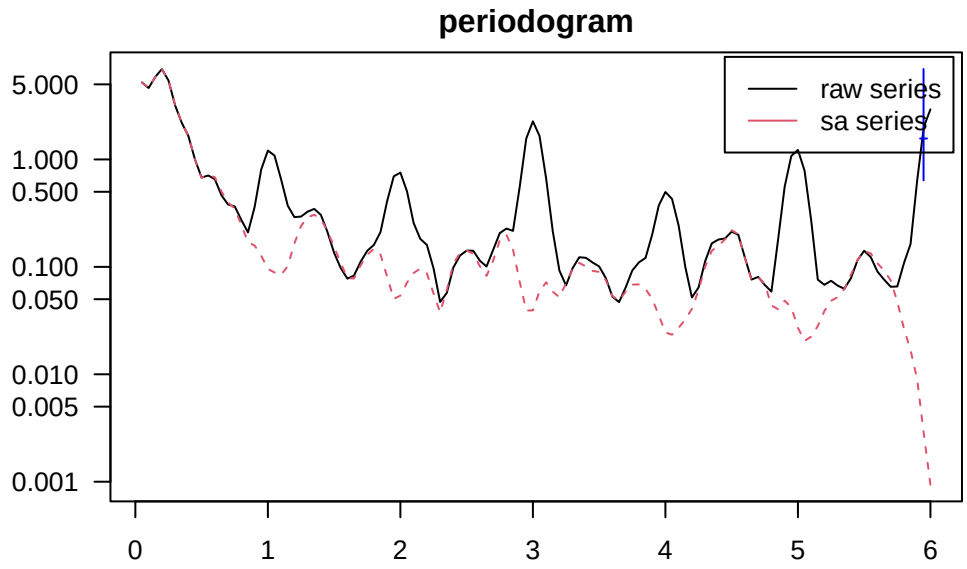

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
7.5
5.0
2.5
0.0
−2.5
−5.0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

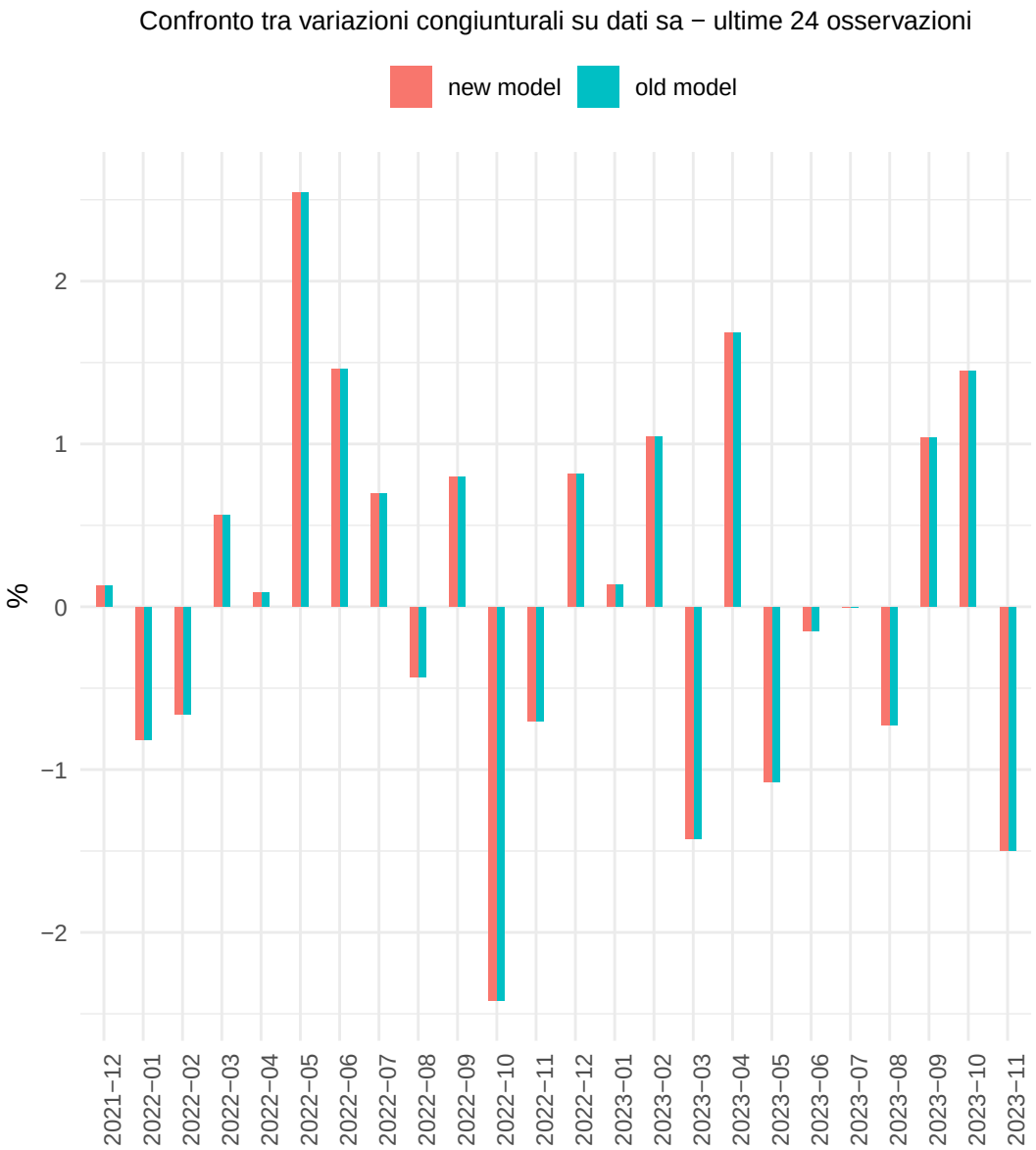

FATEXP_25
raw and wda
raw and sa
seasonality
outliers
55
50
45
40
110
105
100
1.2
1.1
1.0
0.9
2005
2010
2015
2020

FATEXP_25


SI ratio
1.20
1.15
1.10
1.05
1.00
0.95
0.90
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
5.000
1.000
0.500
0.100
0.050
0.010
0.005
0.001
0
1
2
3
4
5
6

FATEXP_25


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2
1
0
−1
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
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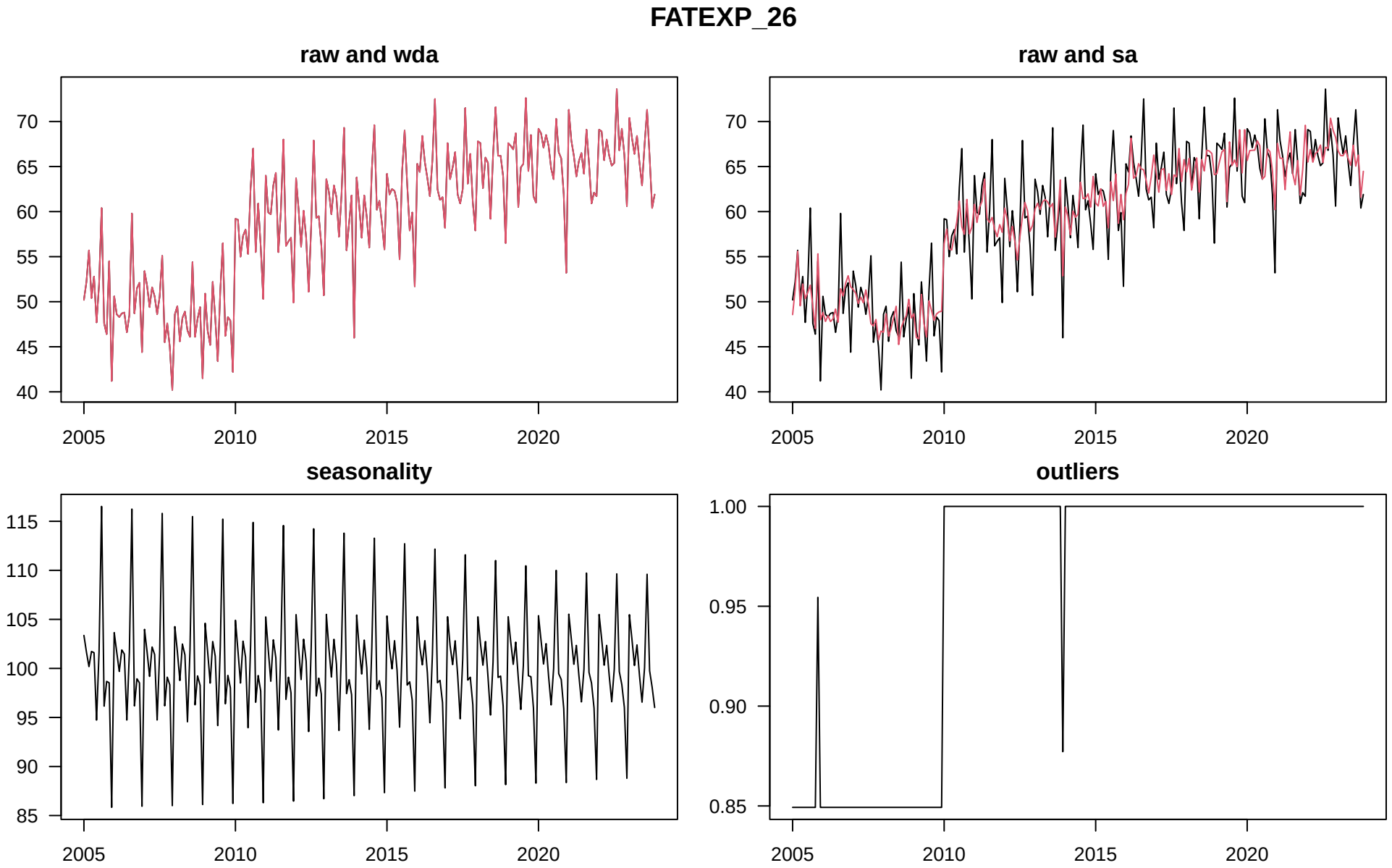
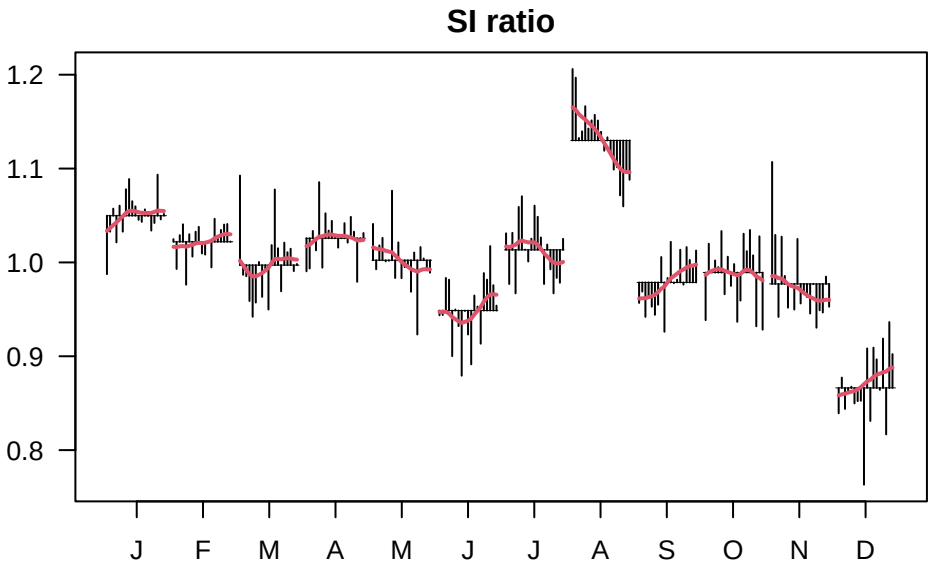
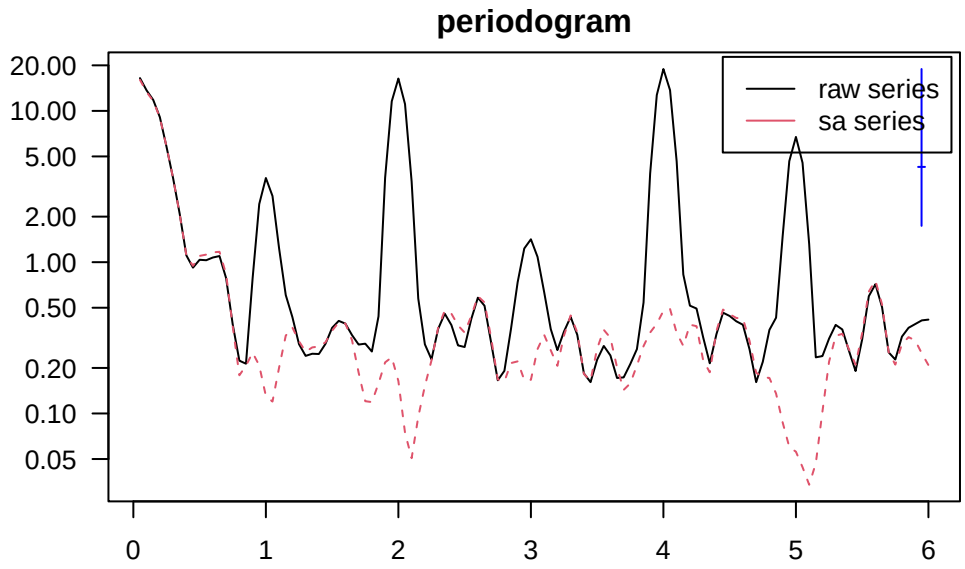
2023−08
2023−09
2023−10
2023−11

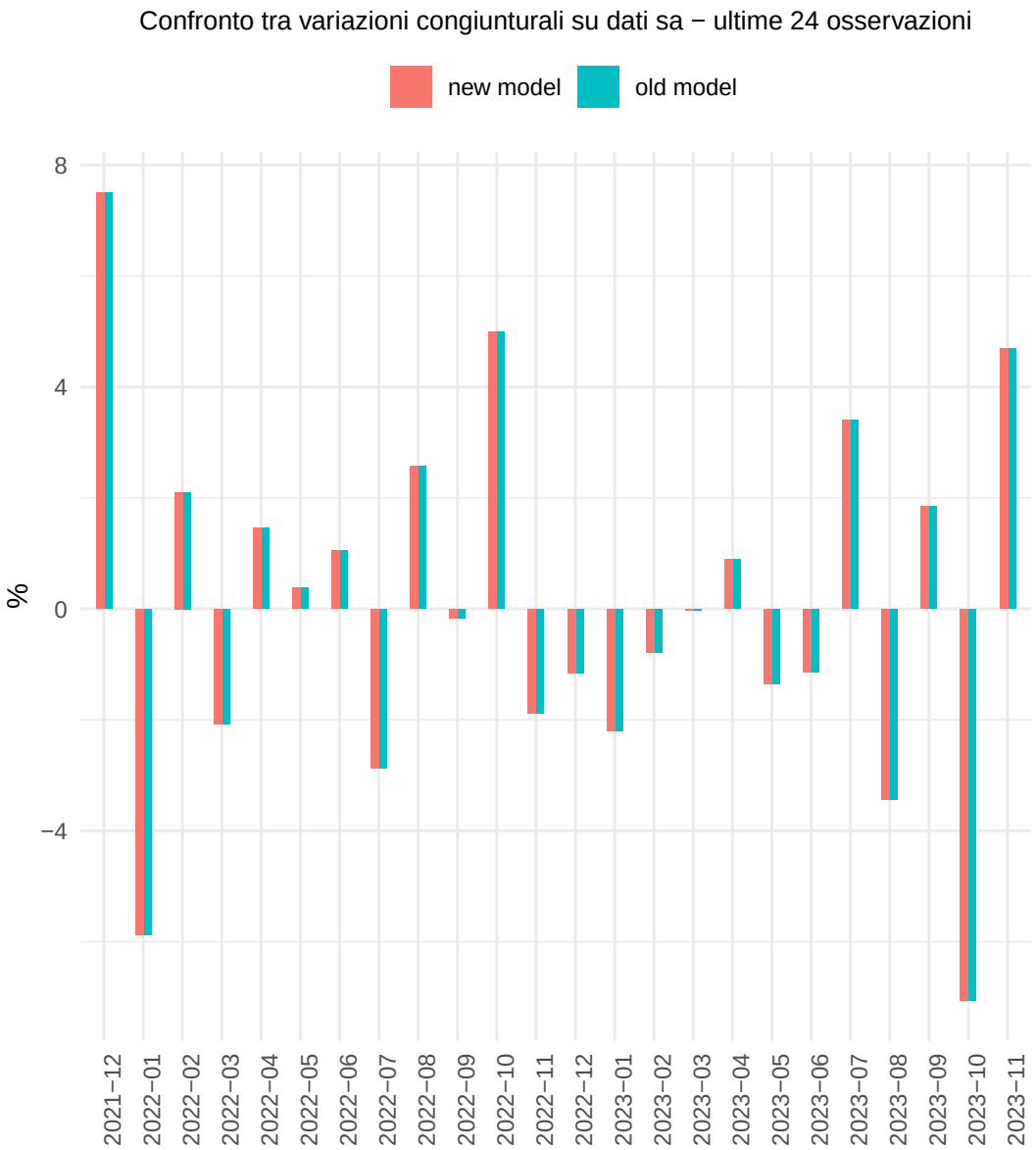

FATEXP_26
raw and wda
raw and sa
seasonality
outliers
70
65
60
55
50
45
40
115
110
105
100
95
90
85
1.00
0.95
0.90
0.85
2005
2010
2015
2020

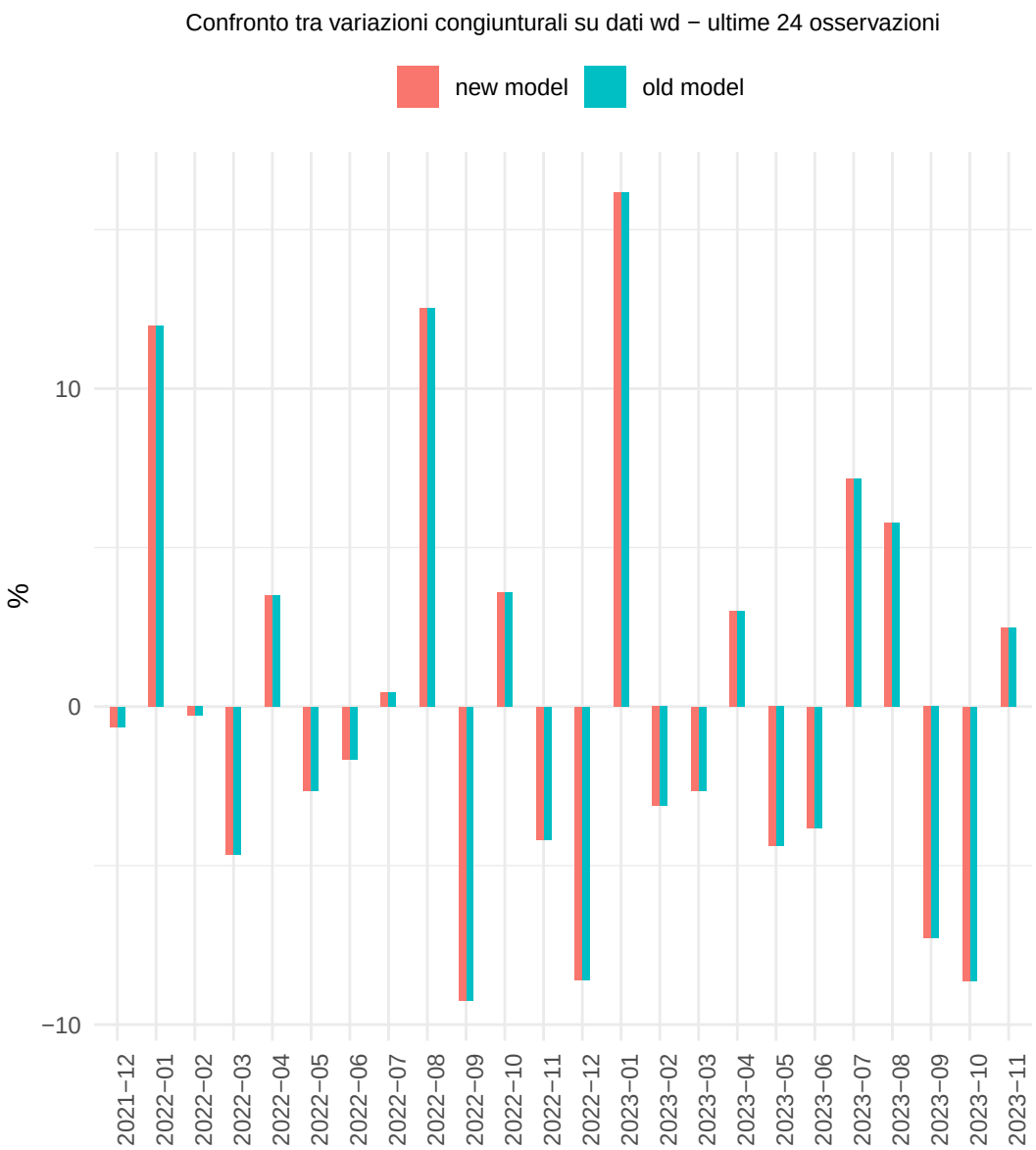
FATEXP_26

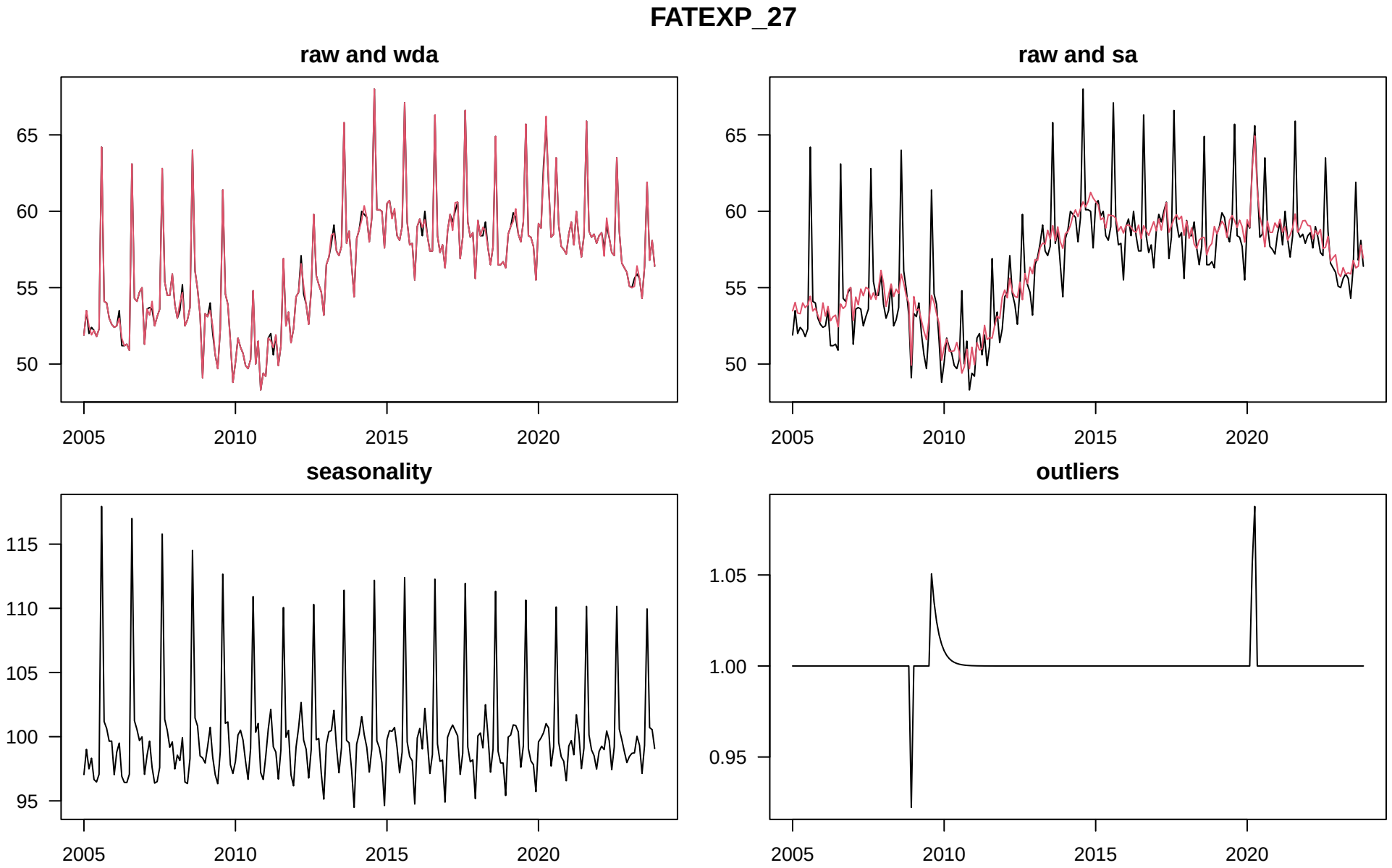

SI ratio
1.2
1.1
1.0
0.9
0.8
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
raw series
sa series
0
1
2
3
4
5
6

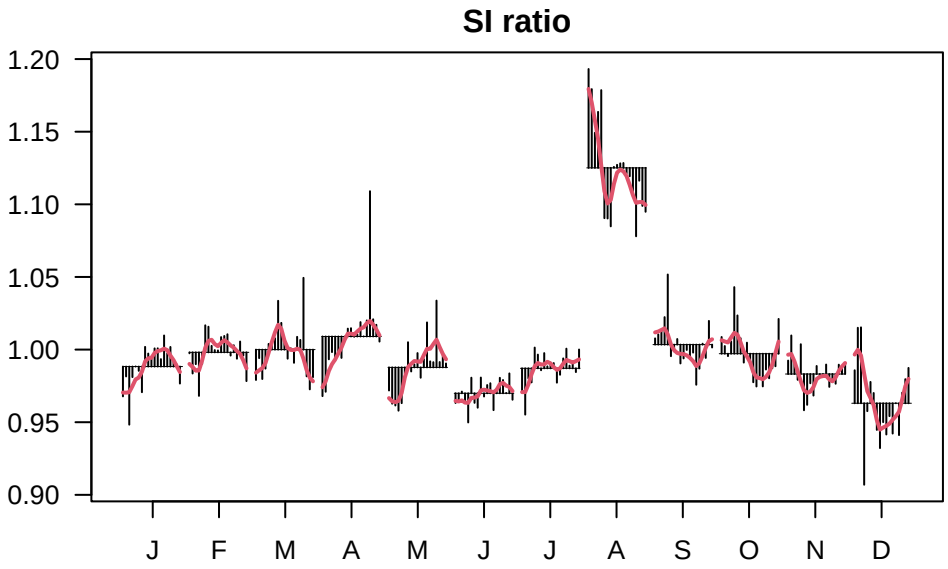
FATEXP_26

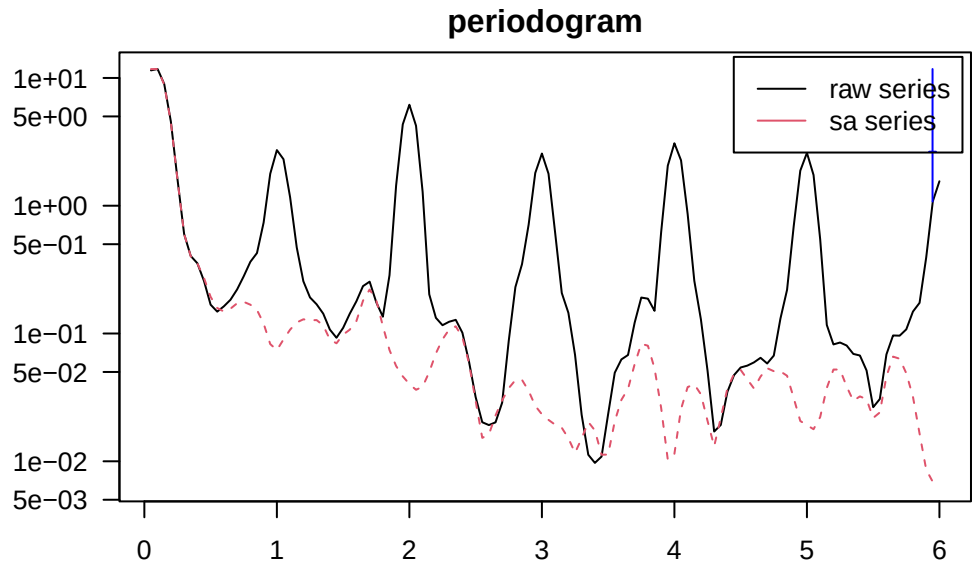

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
8
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_27
raw and wda
raw and sa
seasonality
outliers
65
60
55
50
115
110
105
100
95
1.05
1.00
0.95
2005
2010
2015
2020

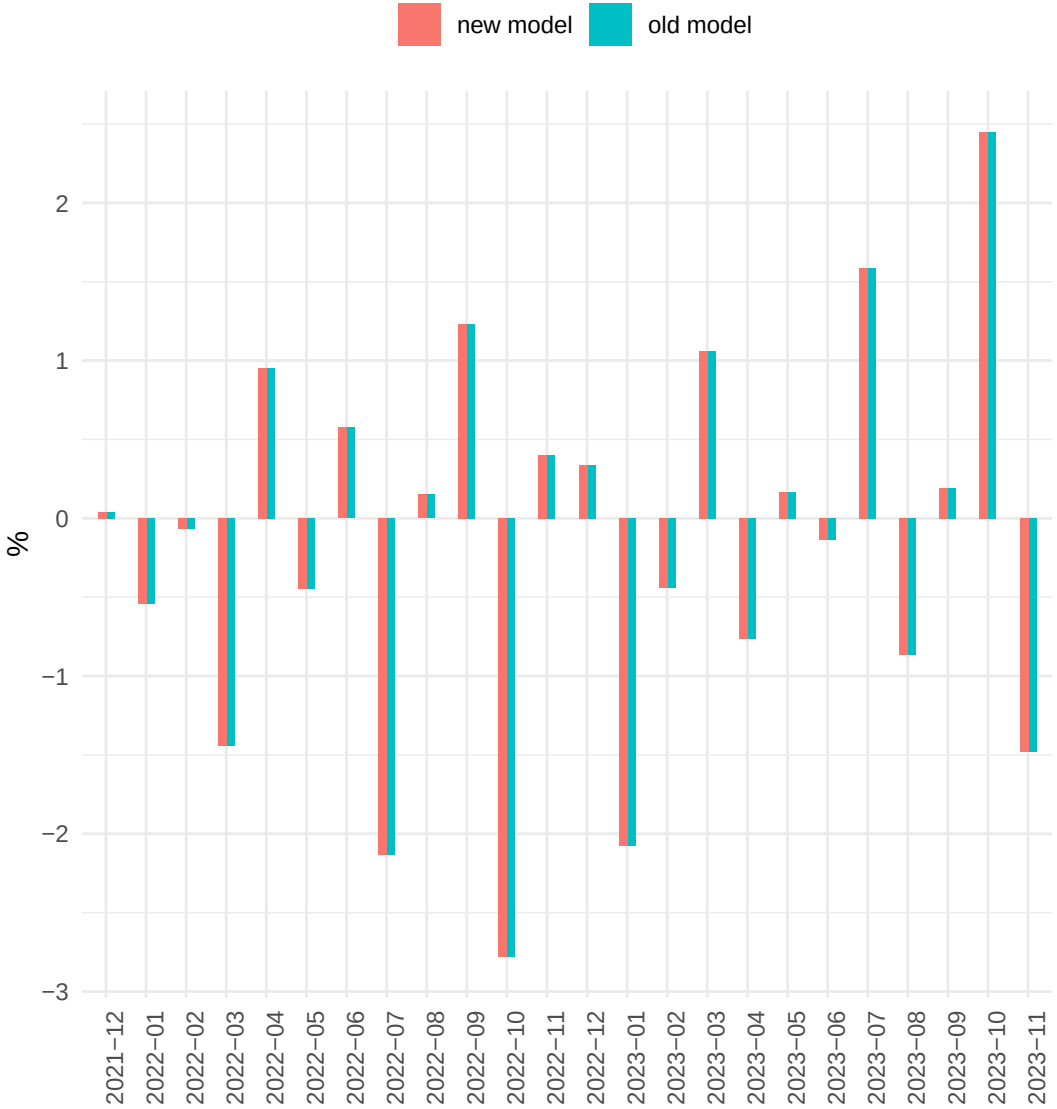
FATEXP_27


SI ratio
1.20
1.15
1.10
1.05
1.00
0.95
0.90
J
F
M
A
M
J
J
A
S
O
N
D

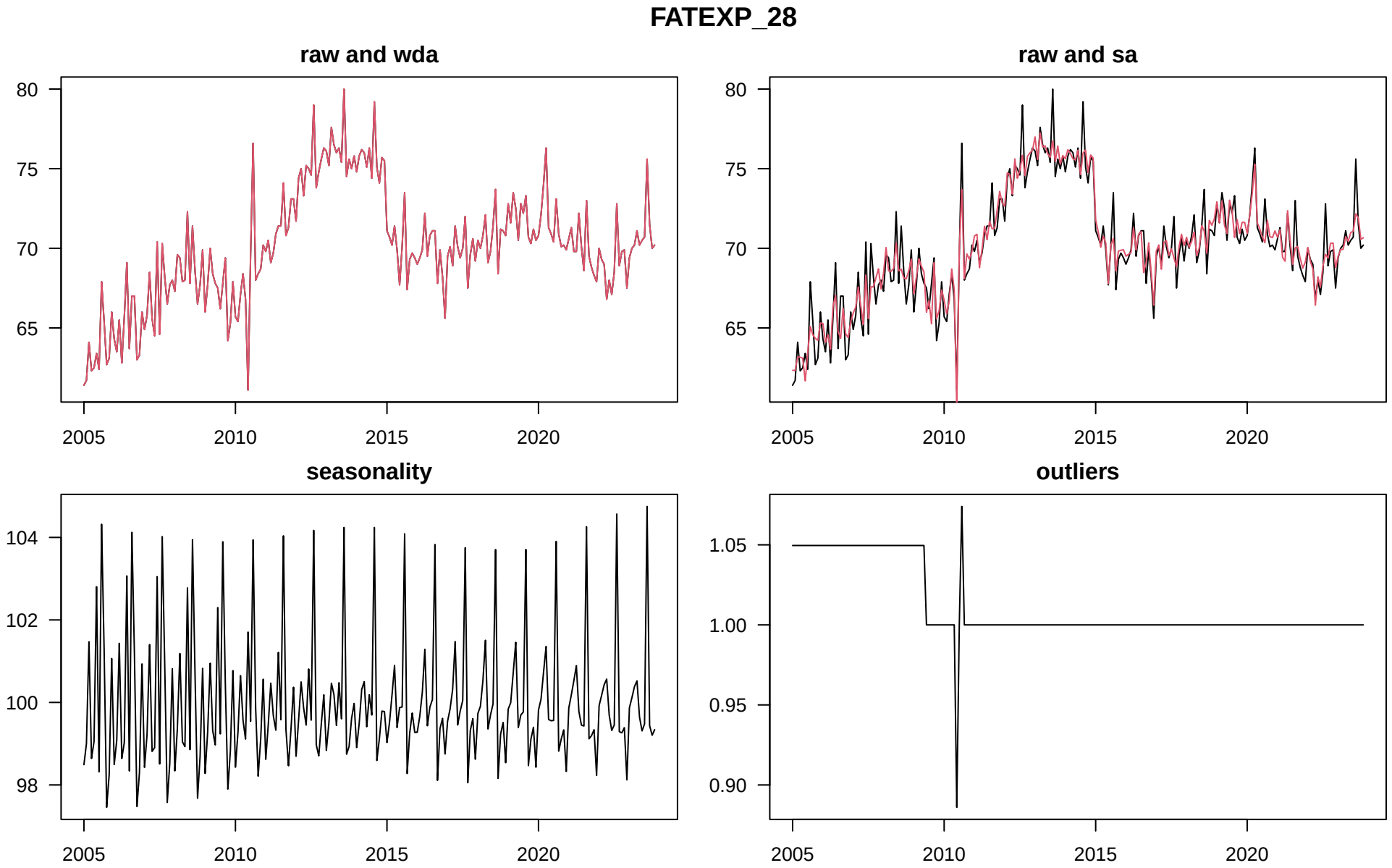

periodogram
raw series
sa series
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
0
1
2
3
4
5
6

FATEXP_27

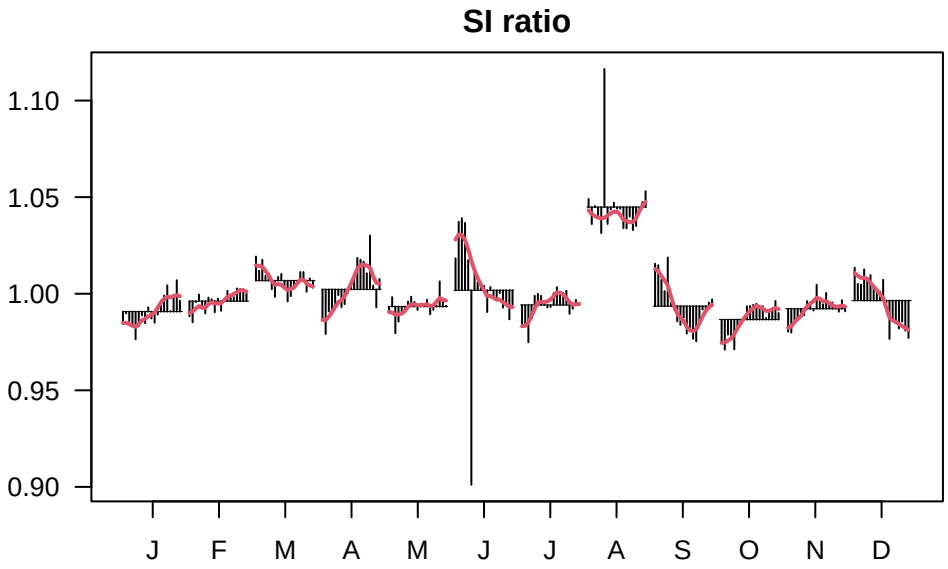
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni

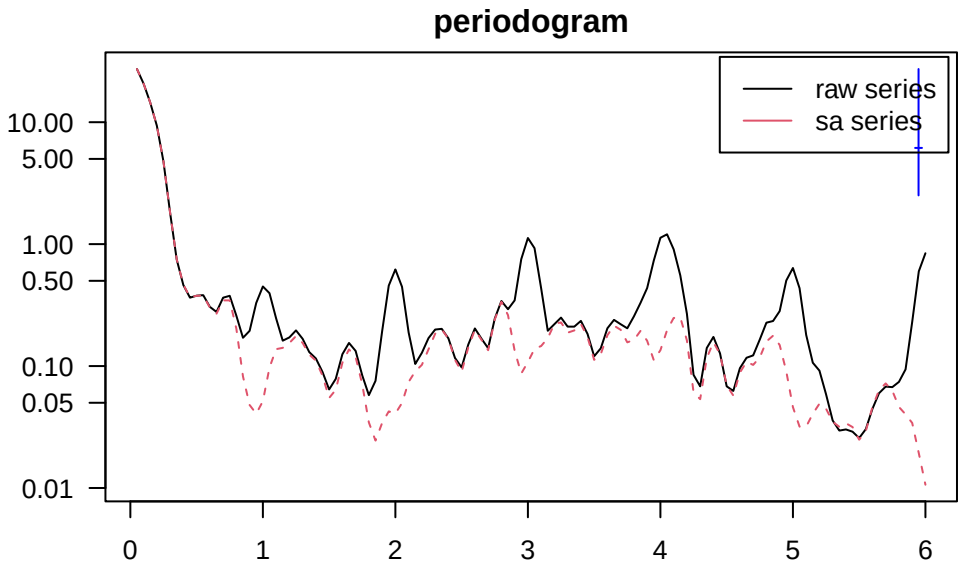


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni


FATEXP_28
raw and wda
raw and sa
seasonality
outliers
80
75
70
65
104
102
100
98
1.05
1.00
0.95
0.90
2005
2010
2015
2020

FATEXP_28

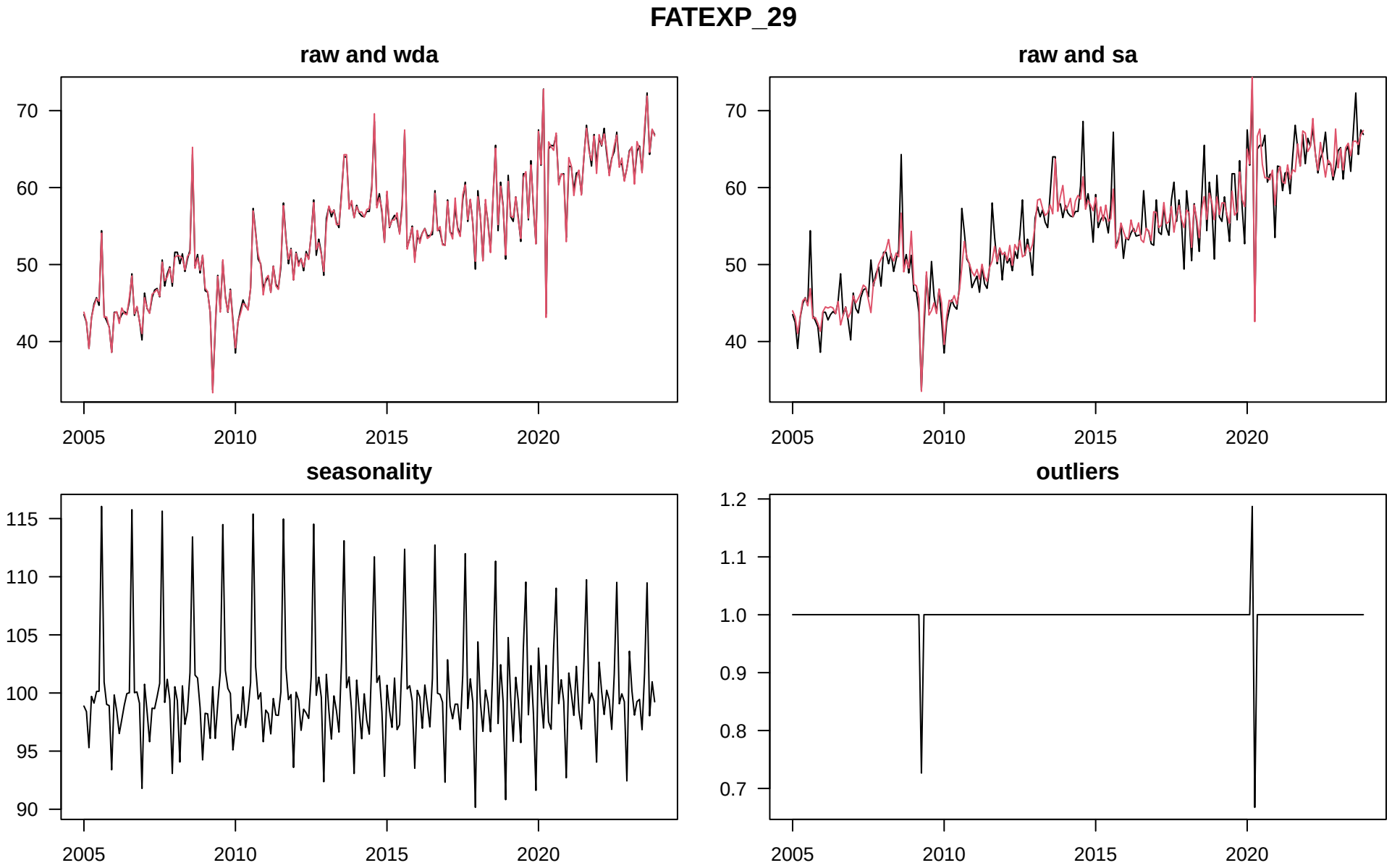

SI ratio
1.10
1.05
1.00
0.95
0.90
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
10.00
5.00
1.00
0.50
0.10
0.05
0.01
0
1
2
3
4
5
6

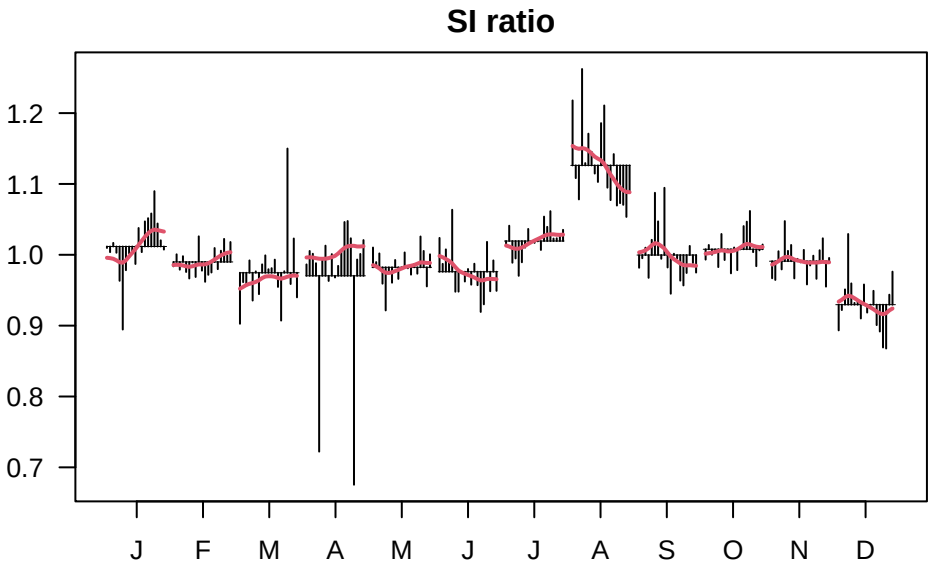
FATEXP_28

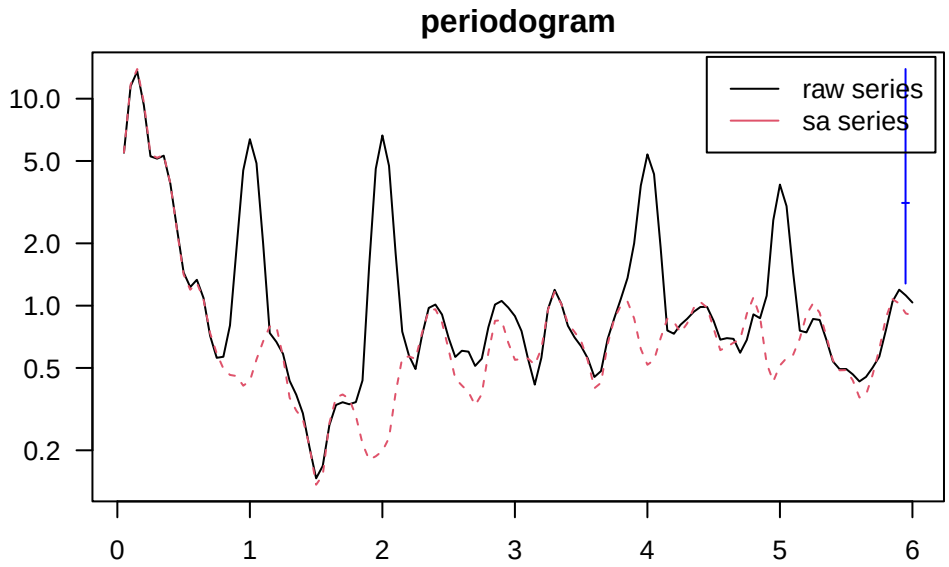
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2
0
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
7.5
5.0
2.5
0.0
−2.5
−5.0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_29
raw and wda
raw and sa
seasonality
outliers
70
60
50
40
115
110
105
100
95
90
1.2
1.1
1.0
0.9
0.8
0.7
2005
2010
2015
2020

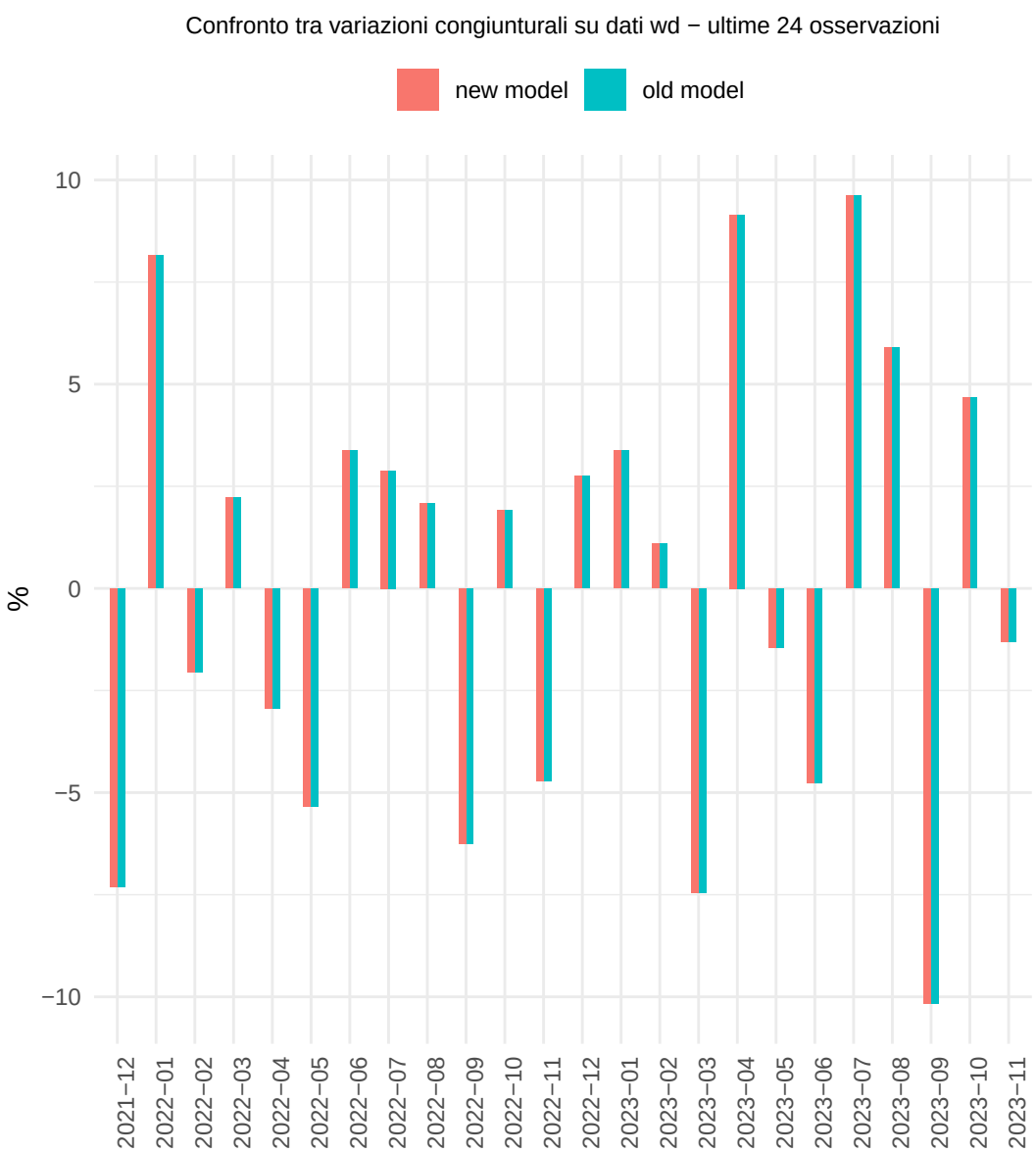
FATEXP_29

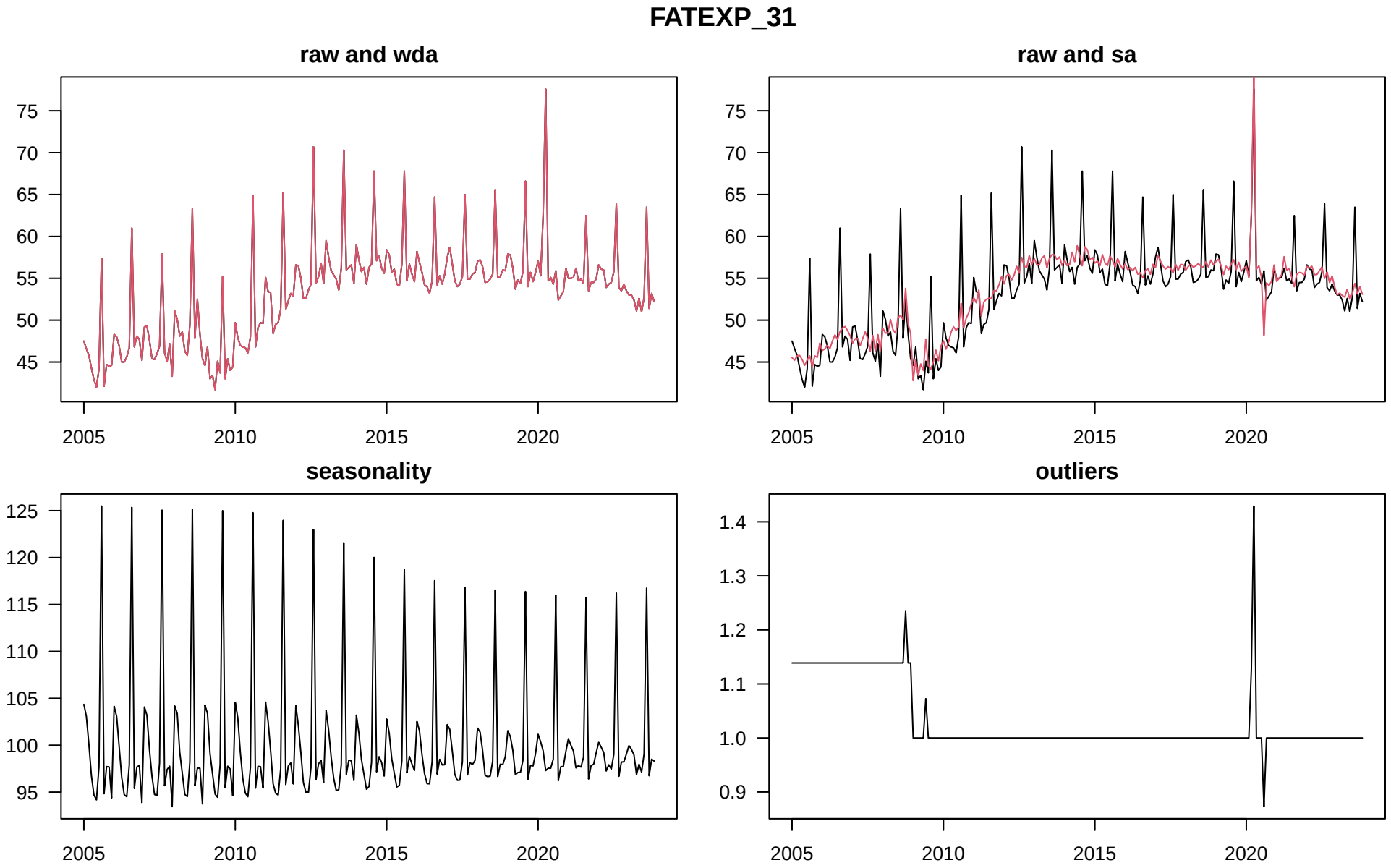

SI ratio
1.2
1.1
1.0
0.9
0.8
0.7
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6

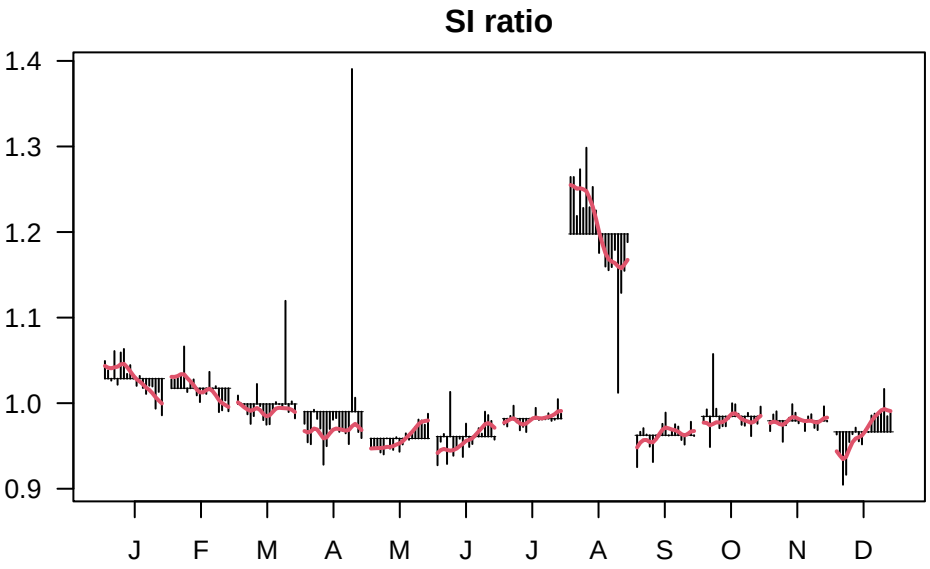
FATEXP_29

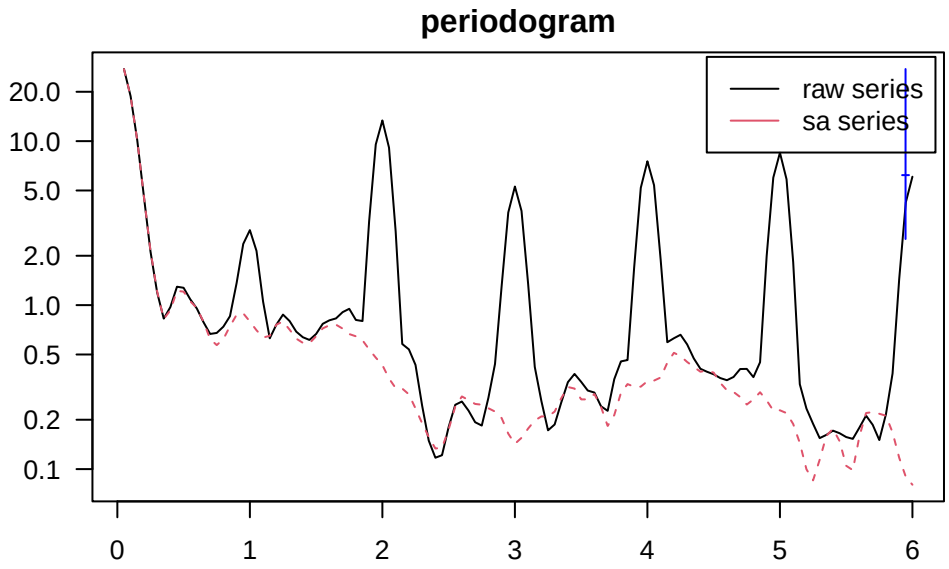
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_31
raw and wda
raw and sa
seasonality
outliers
75
70
65
60
55
50
45
125
120
115
110
105
100
95
1.4
1.3
1.2
1.1
1.0
0.9
2005
2010
2015
2020

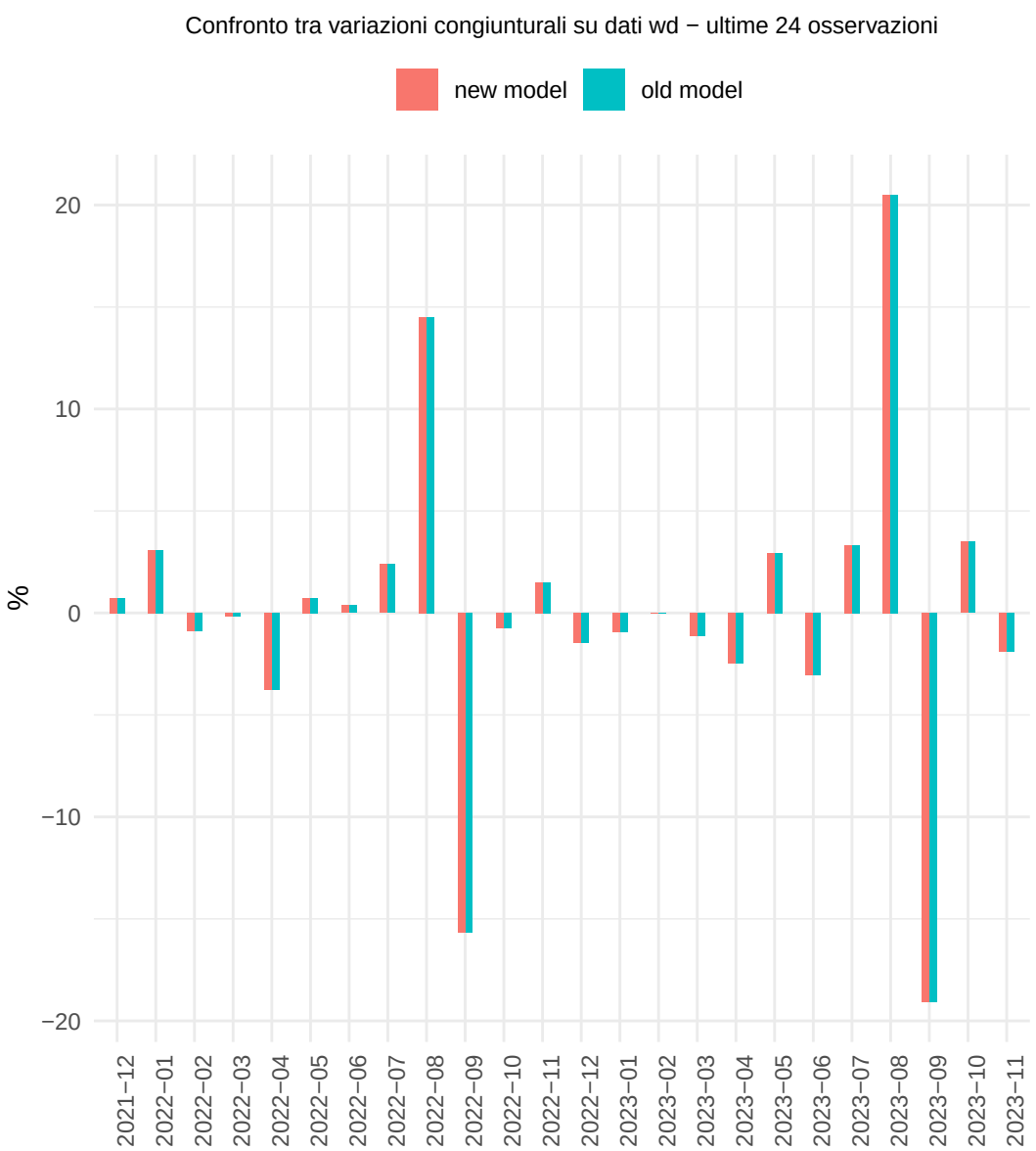
FATEXP_31

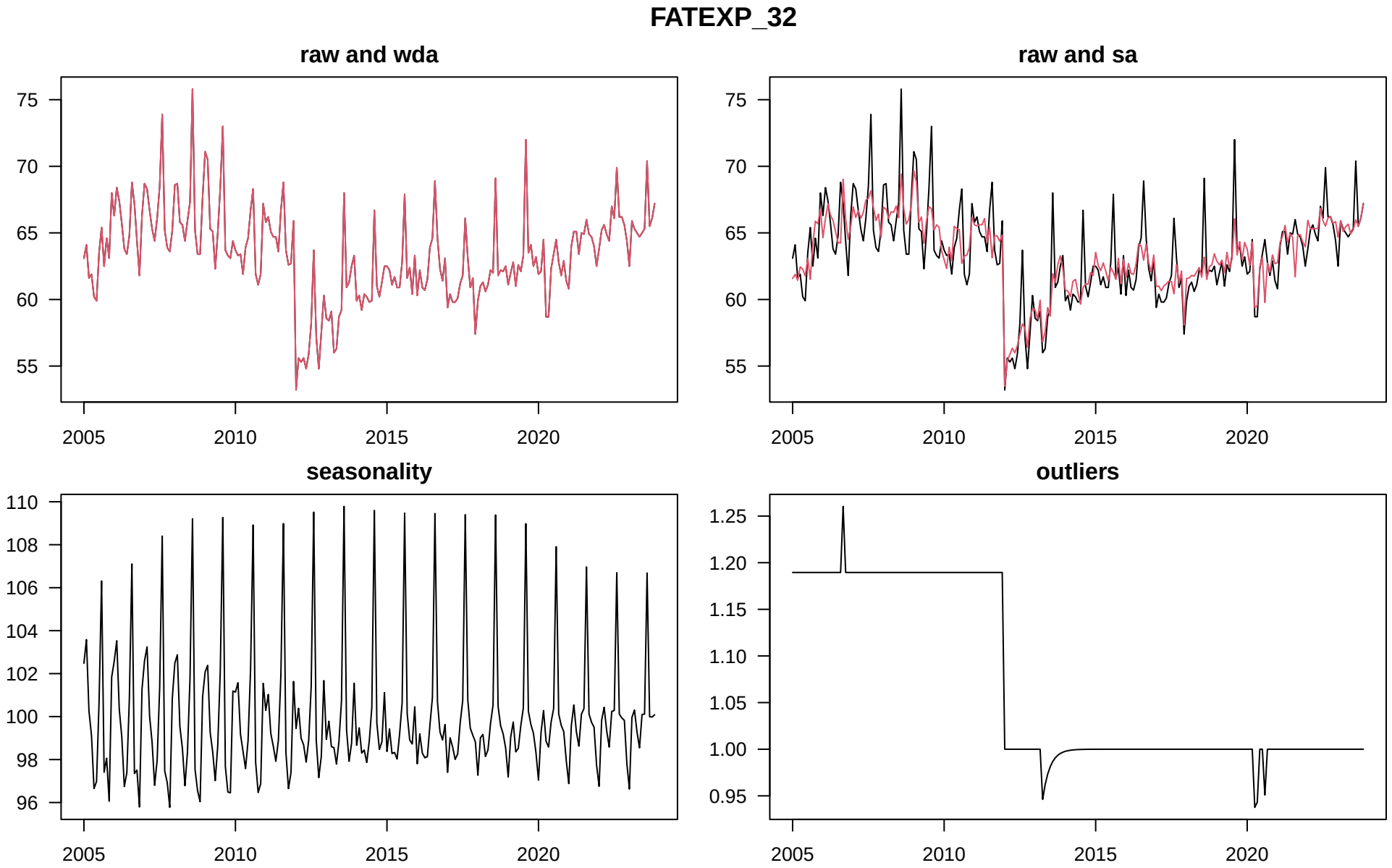

SI ratio
1.4
1.3
1.2
1.1
1.0
0.9
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0.1
0
1
2
3
4
5
6

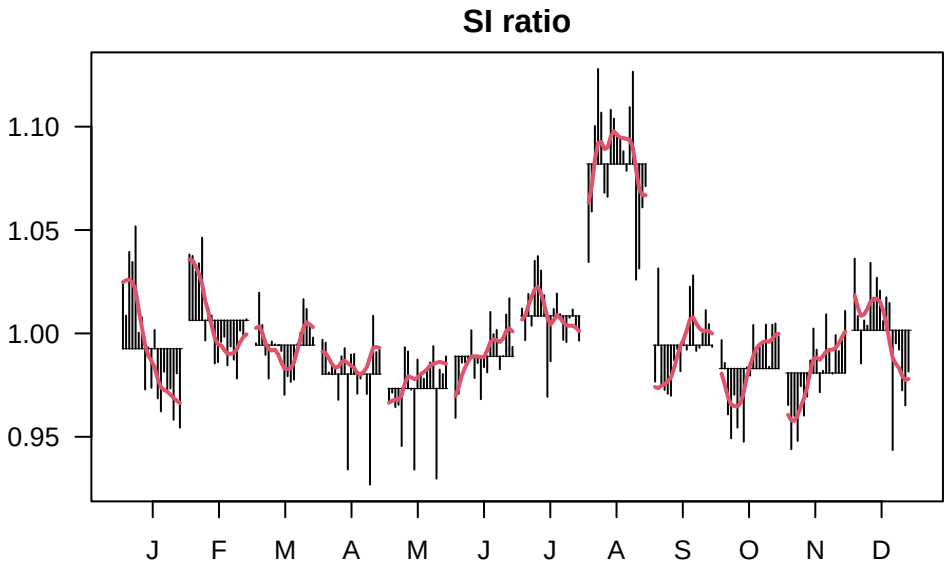
FATEXP_31

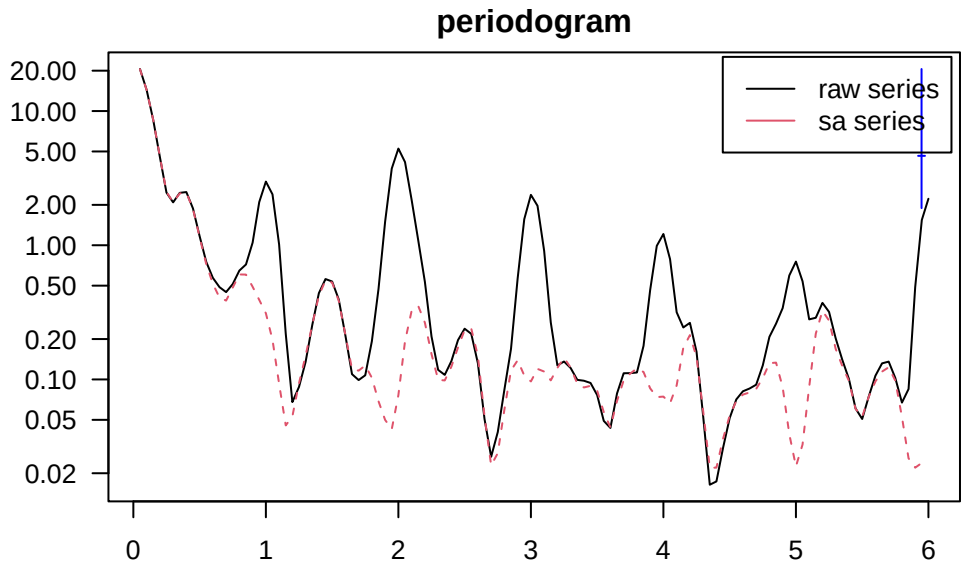
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2
1
0
−1
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_32
raw and wda
raw and sa
seasonality
outliers
75
70
65
60
55
110
108
106
104
102
100
98
96
1.25
1.20
1.15
1.10
1.05
1.00
0.95
2005
2010
2015
2020

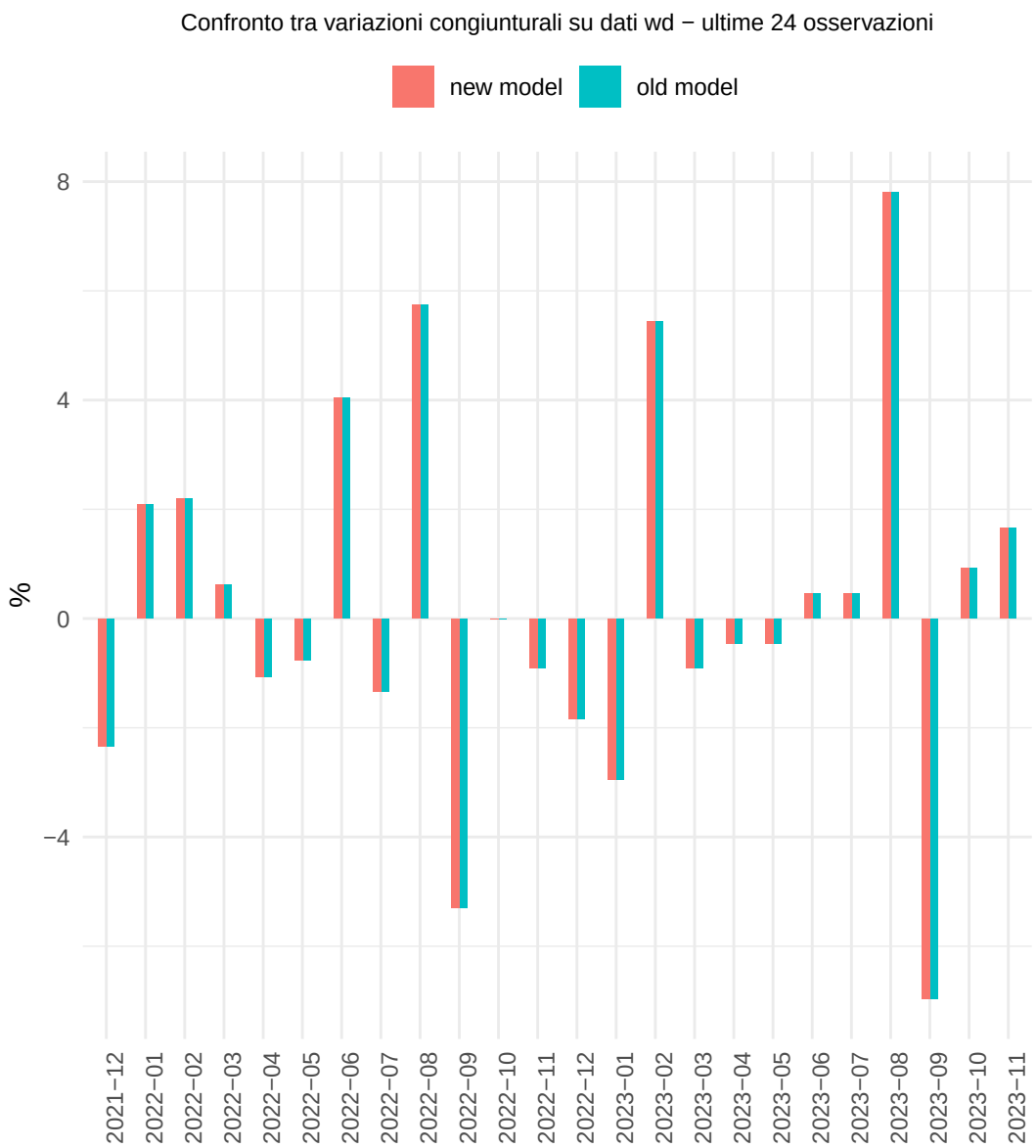
FATEXP_32

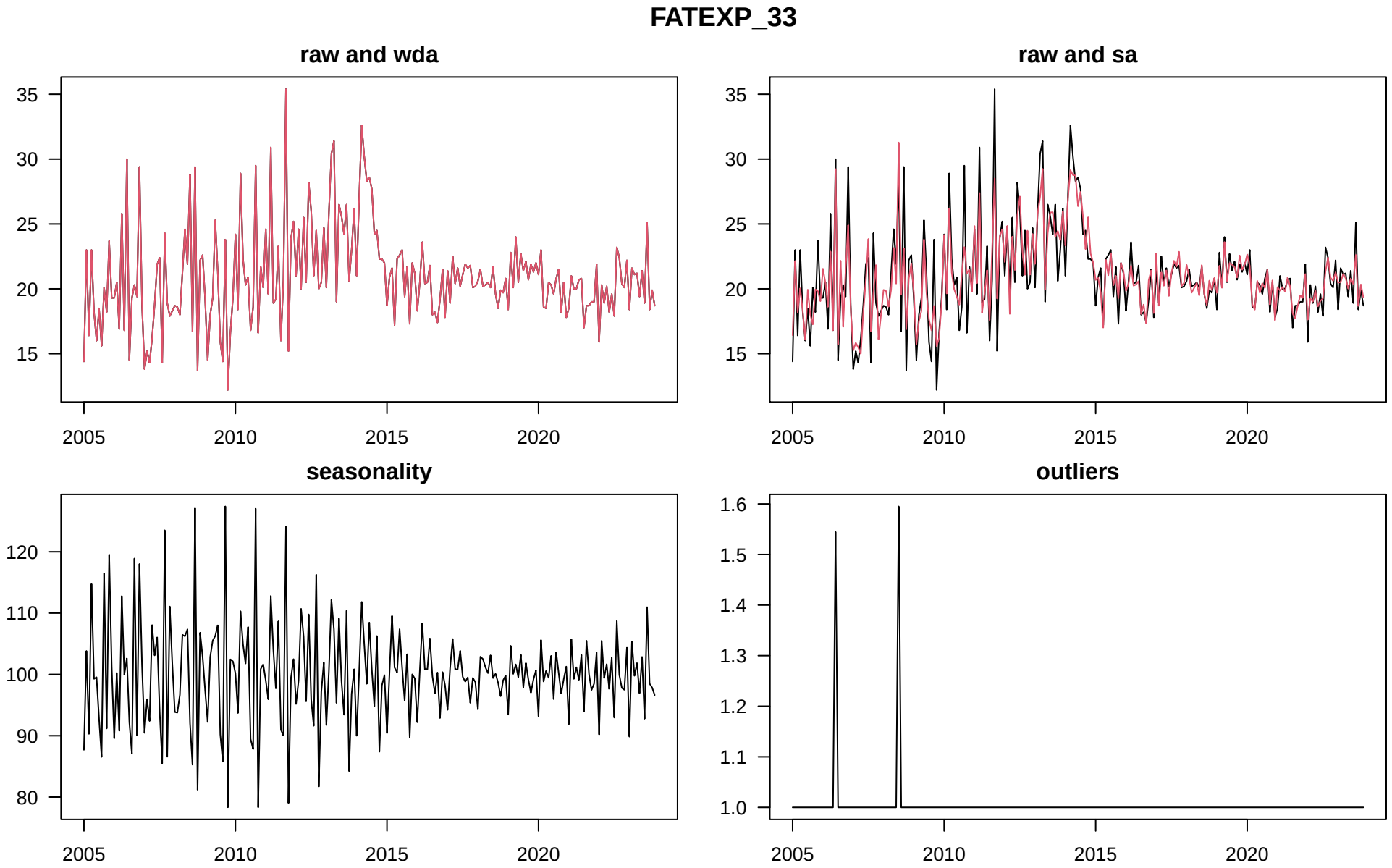

SI ratio
1.10
1.05
1.00
0.95
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
20.00
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0.02
raw series
sa series
0
1
2
3
4
5
6

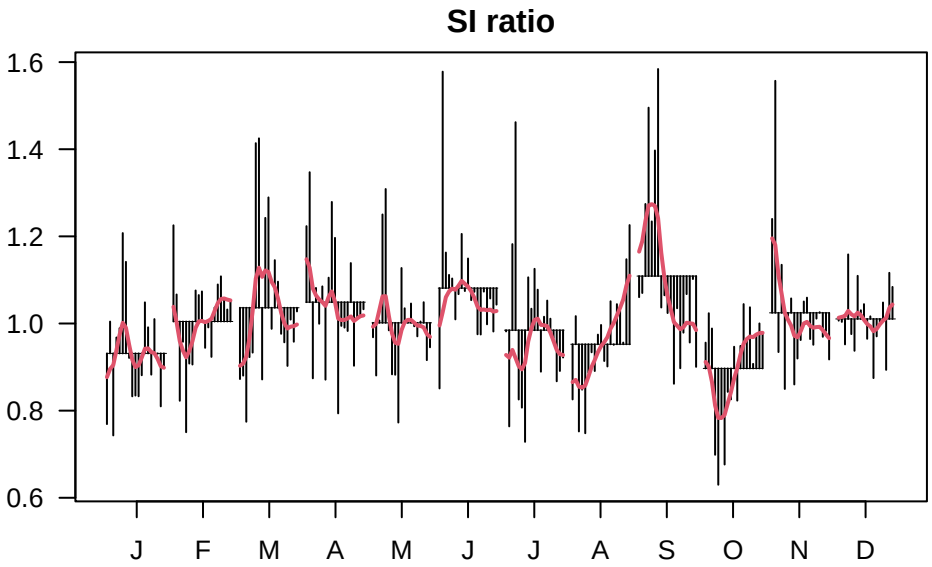
FATEXP_32

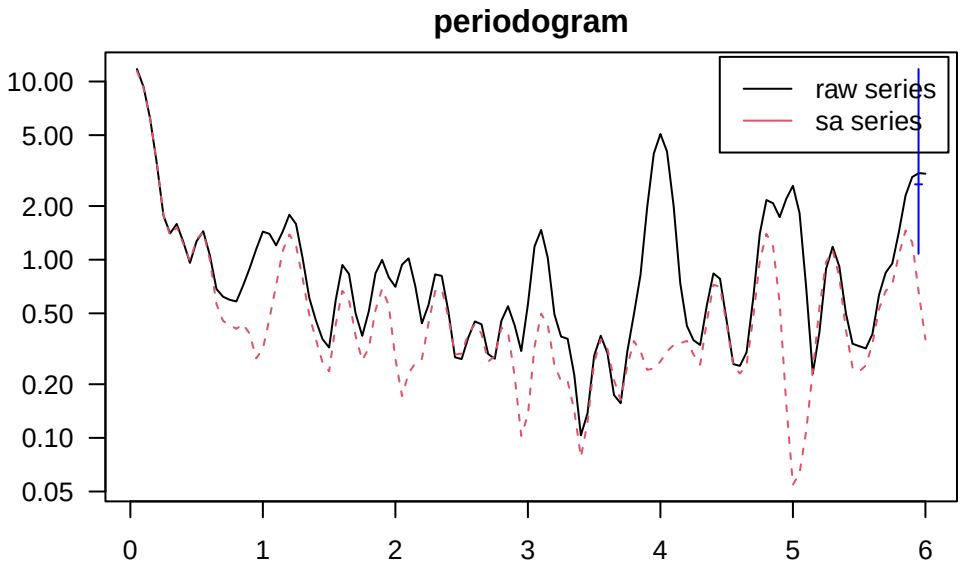
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
3
2
1
0
−1
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
8
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_33
raw and wda
raw and sa
seasonality
outliers
35
30
25
20
15
120
110
100
90
80
1.6
1.5
1.4
1.3
1.2
1.1
1.0
2005
2010
2015
2020

FATEXP_33

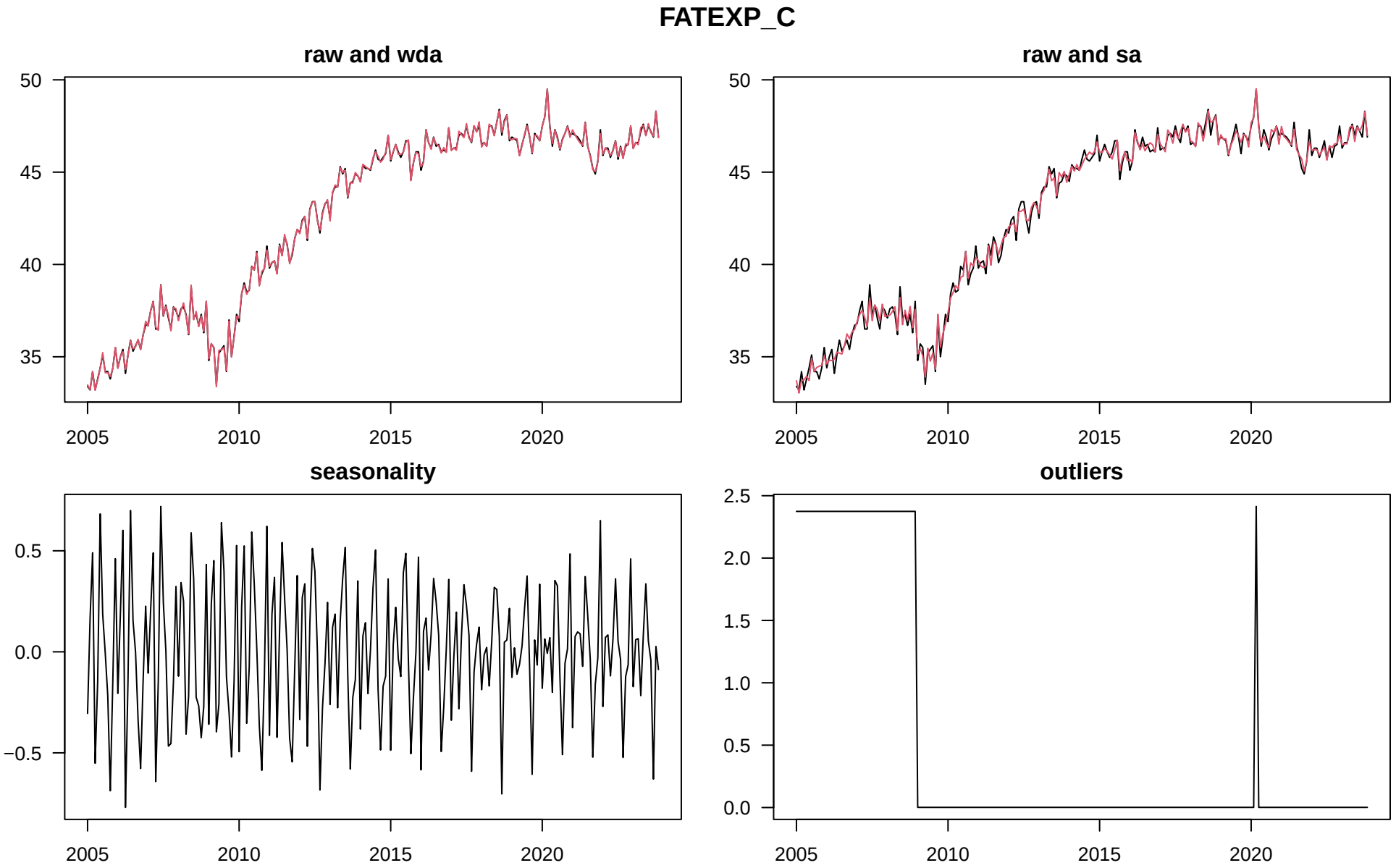

SI ratio
1.6
1.4
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
10.00
5.00
2.00
1.00
0.50
0.20
0.10
0.05
0
1
2
3
4
5
6

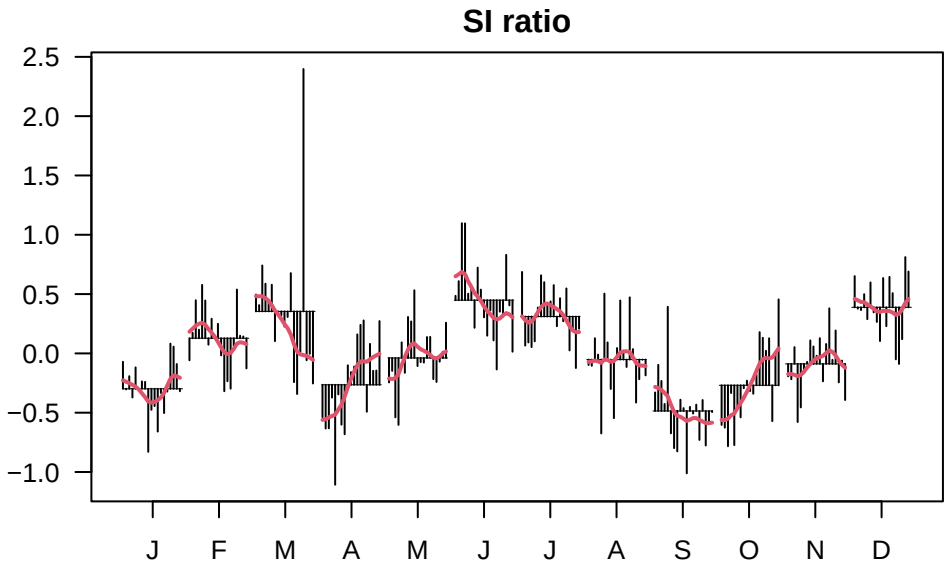
FATEXP_33

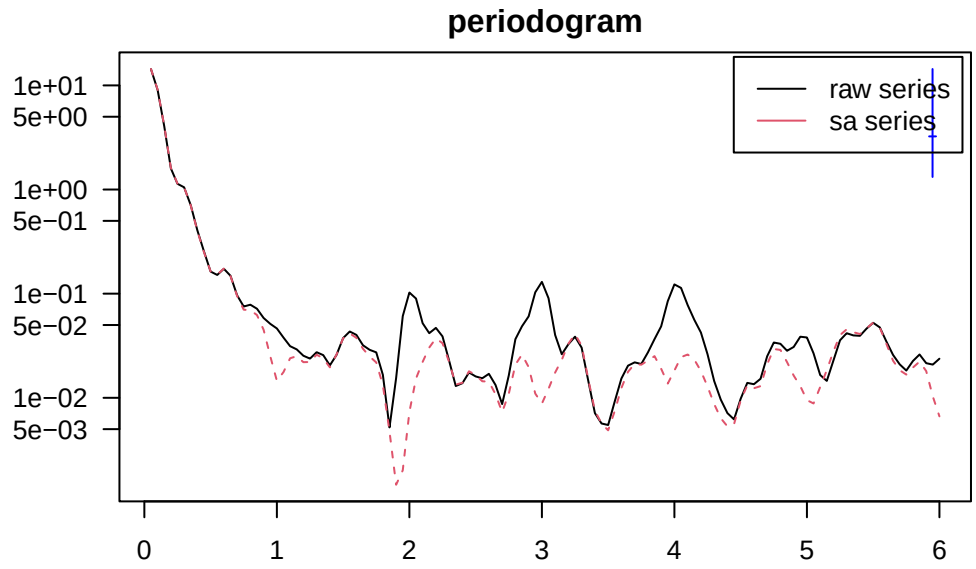
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


FATEXP_C
raw and wda
raw and sa
seasonality
outliers
50
45
40
35
2005
2010
2015
2020
0.5
0.0
−0.5
2.5
2.0
1.5
1.0
0.5
0.0

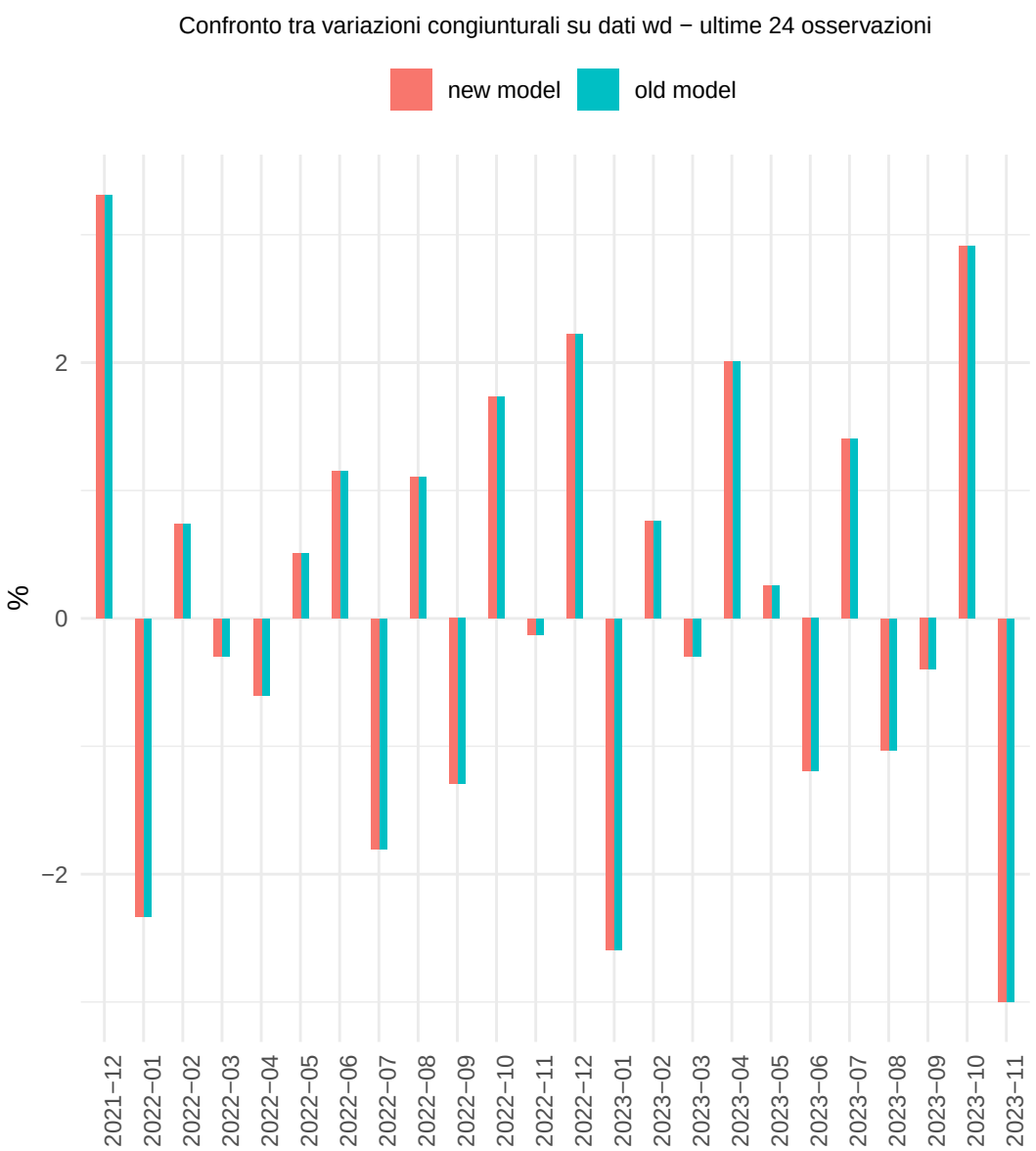
FATEXP_C

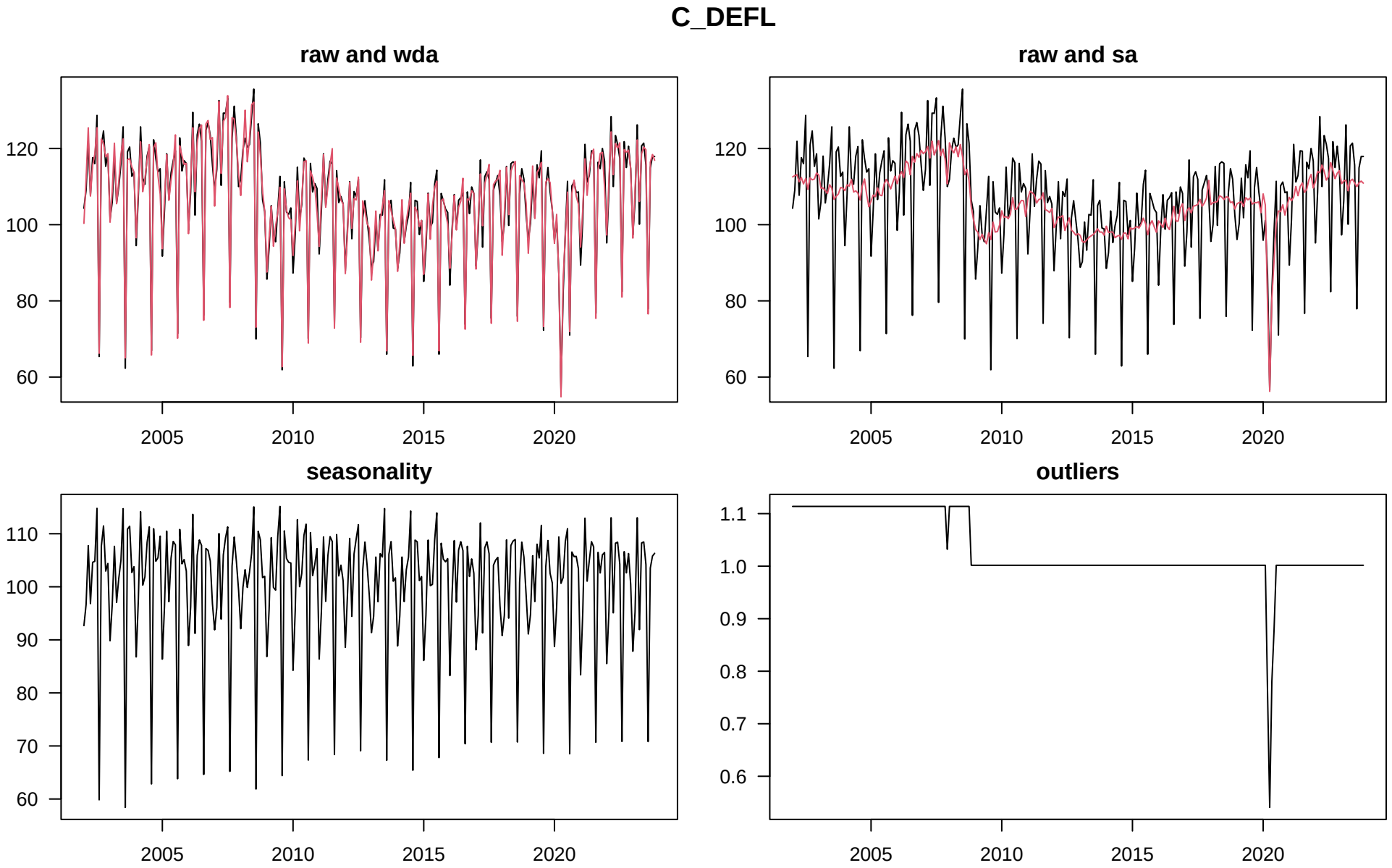

SI ratio
2.5
2.0
1.5
1.0
0.5
0.0
−0.5
−1.0
J
F
M
A
M
J
J
A
S
O
N
D

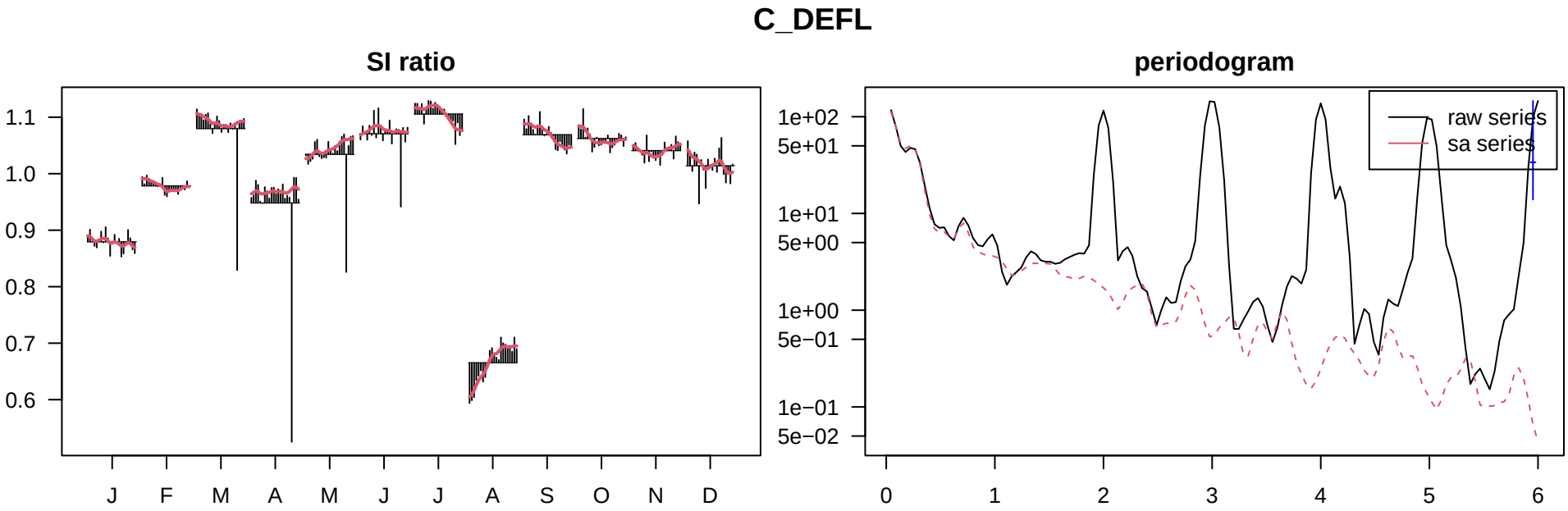

periodogram
raw series
sa series
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
1e−02
5e−03
0
1
2
3
4
5
6

FATEXP_C

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2
1
0
−1
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

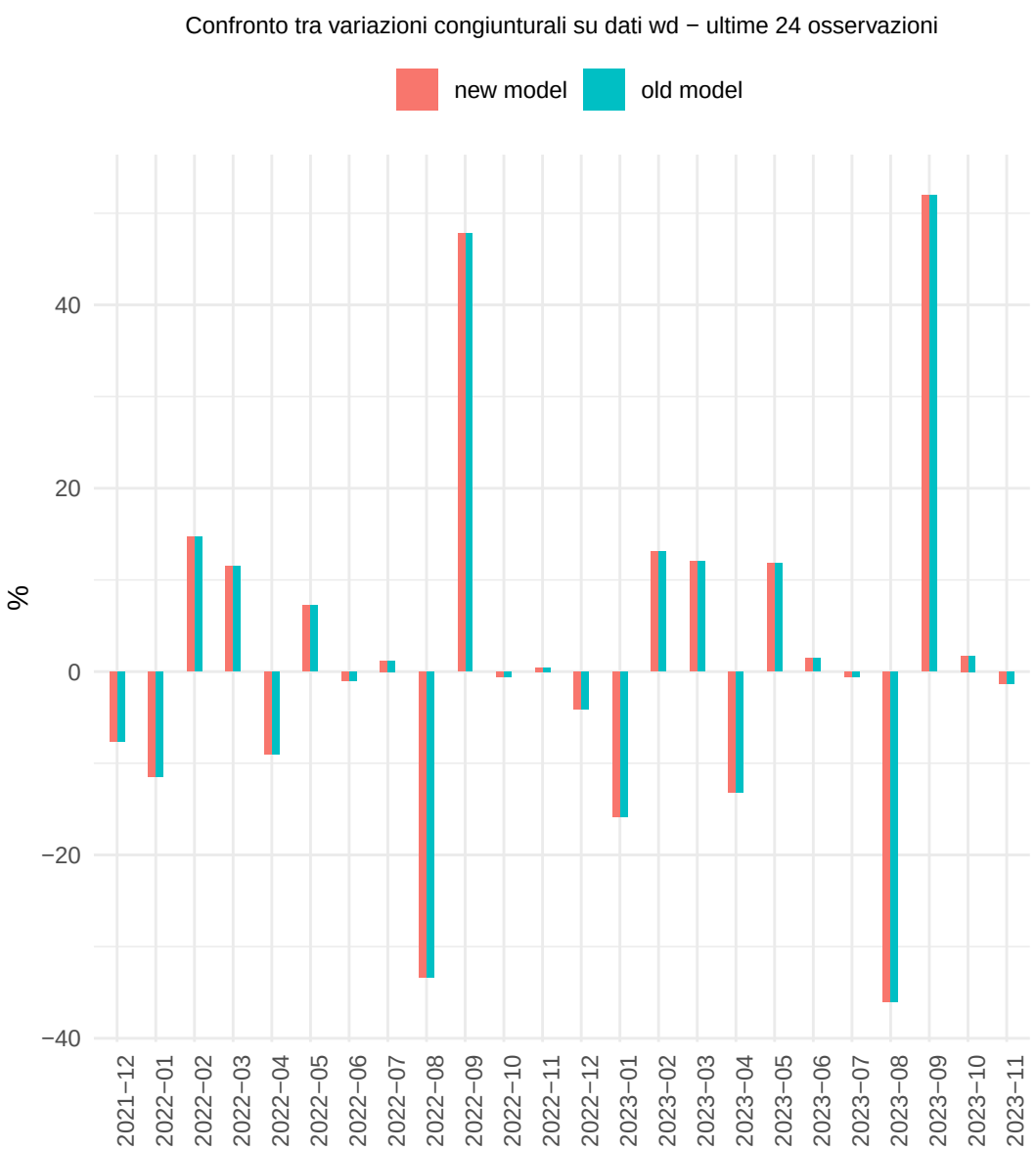

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
2
0
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

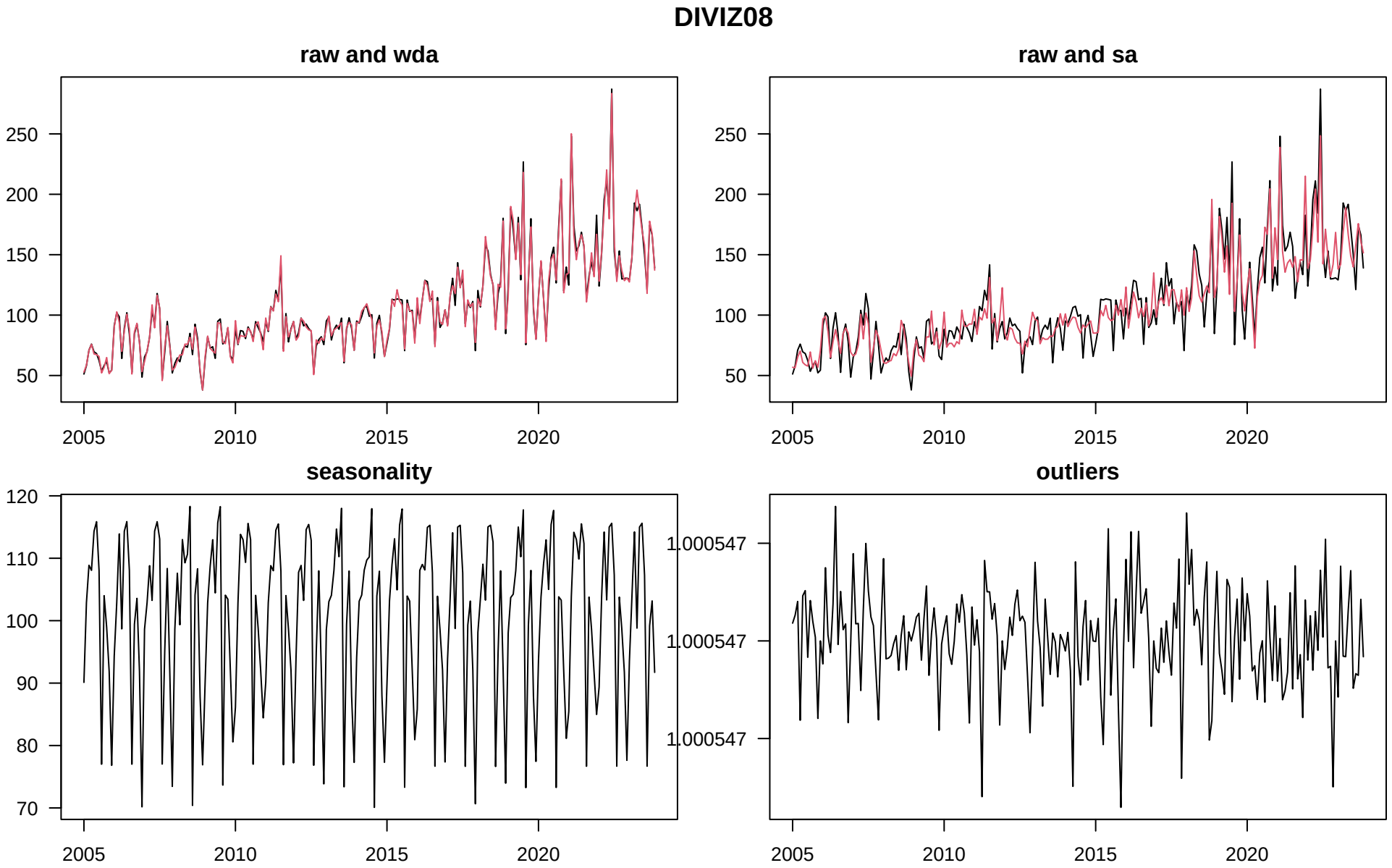

C_DEFL
raw and wda
raw and sa
seasonality
outliers
120
100
80
60
110
90
70
1.1
1.0
0.9
0.8
0.7
0.6
2005
2010
2015
2020


C_DEFL
SI ratio
1.1
1.0
0.9
0.8
0.7
0.6
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
raw series
sa series
0
1
2
3
4
5
6

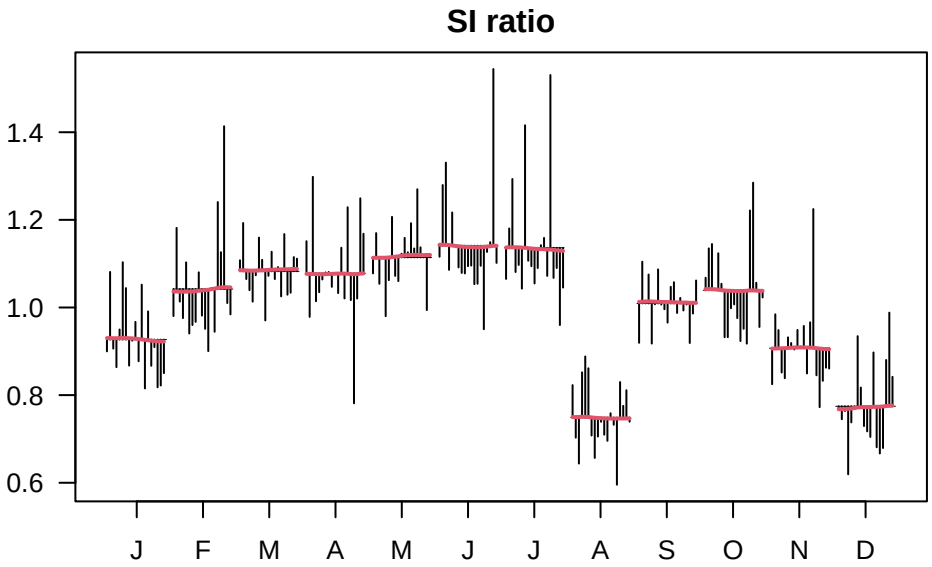
C_DEFL

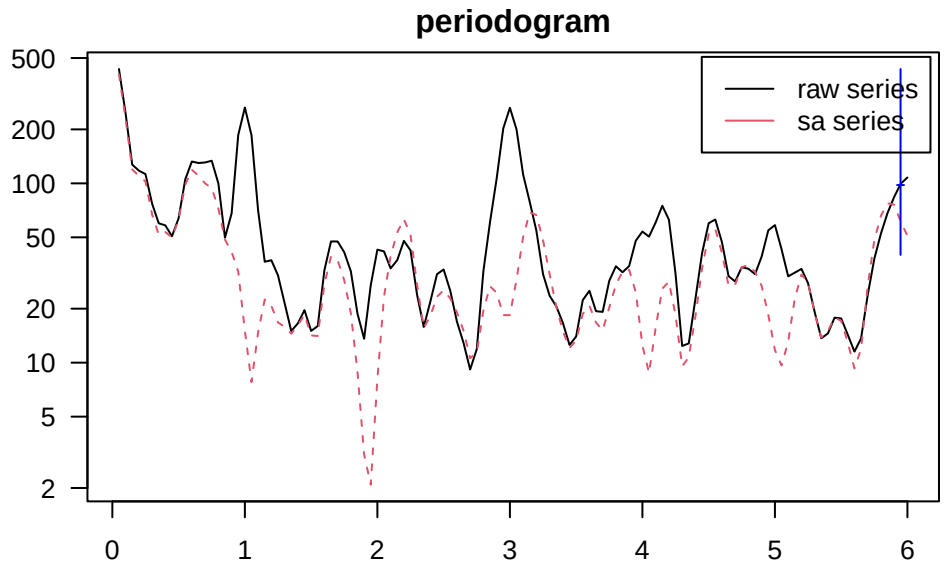
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2
0
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
−40
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIZ08
raw and wda
raw and sa
seasonality
outliers
250
200
150
100
50
120
110
100
90
80
70
1.000547
1.000547
1.000547
2005
2010
2015
2020

DIVIZ08

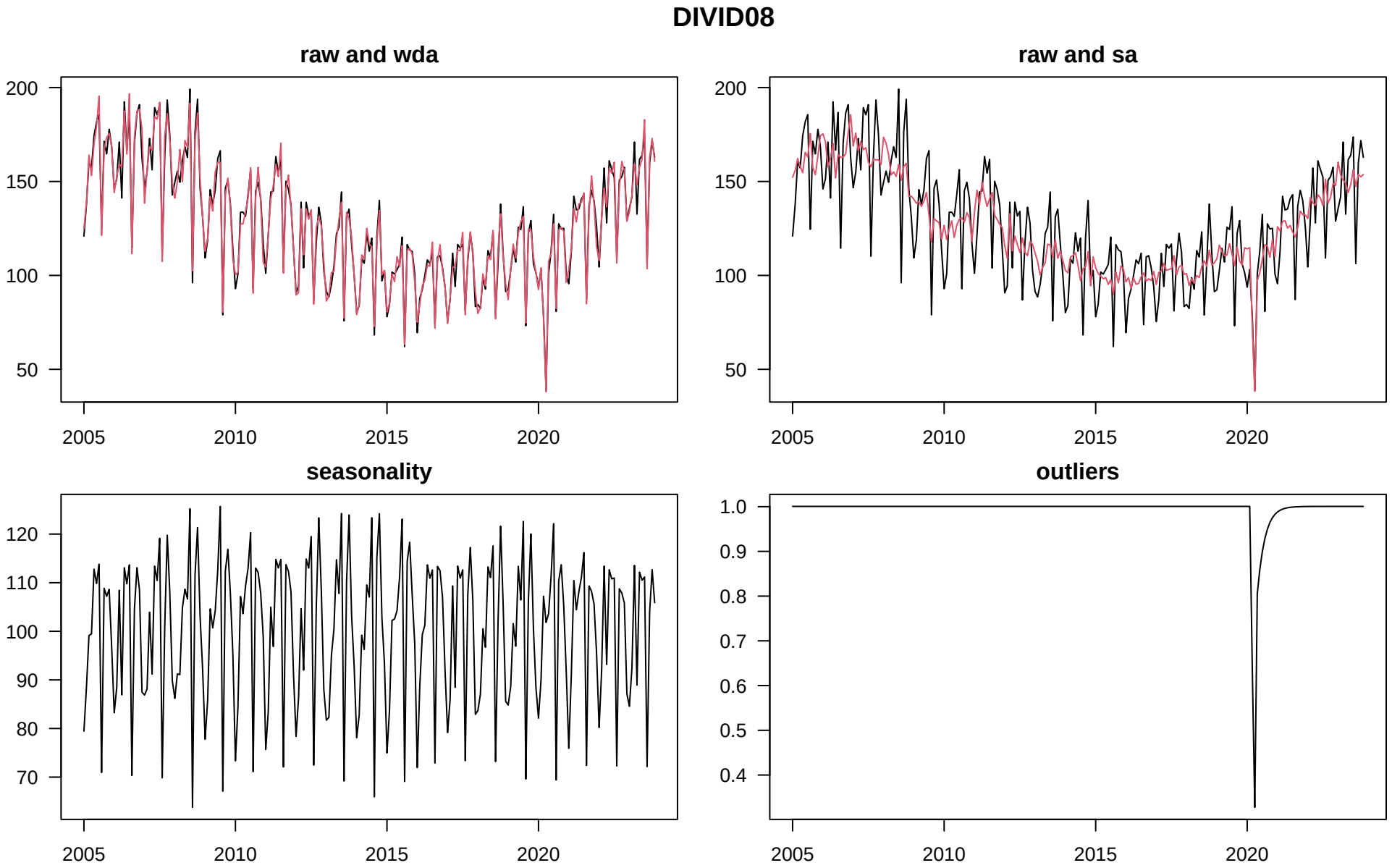

SI ratio
1.4
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
500
200
100
50
20
10
5
2
0
1
2
3
4
5
6
raw series
sa series

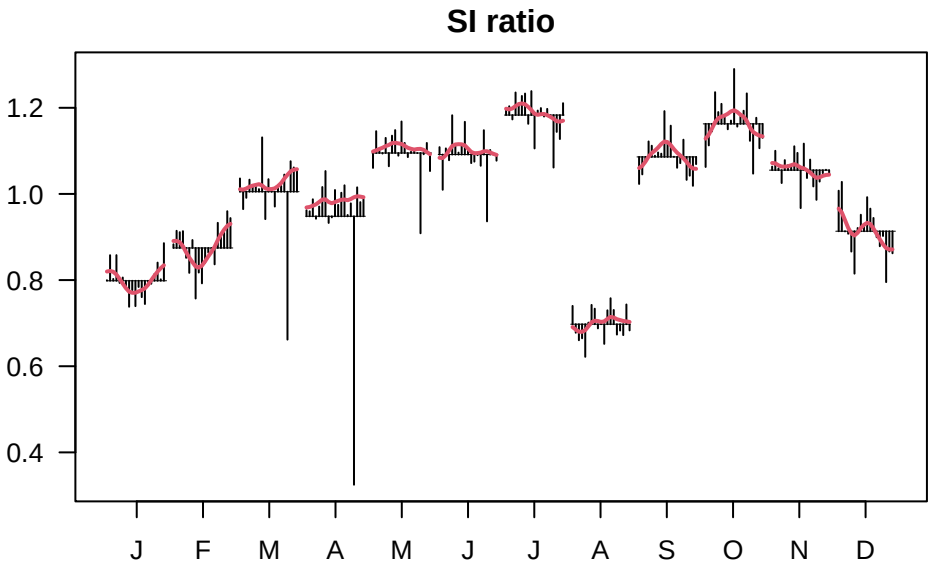
DIVIZ08

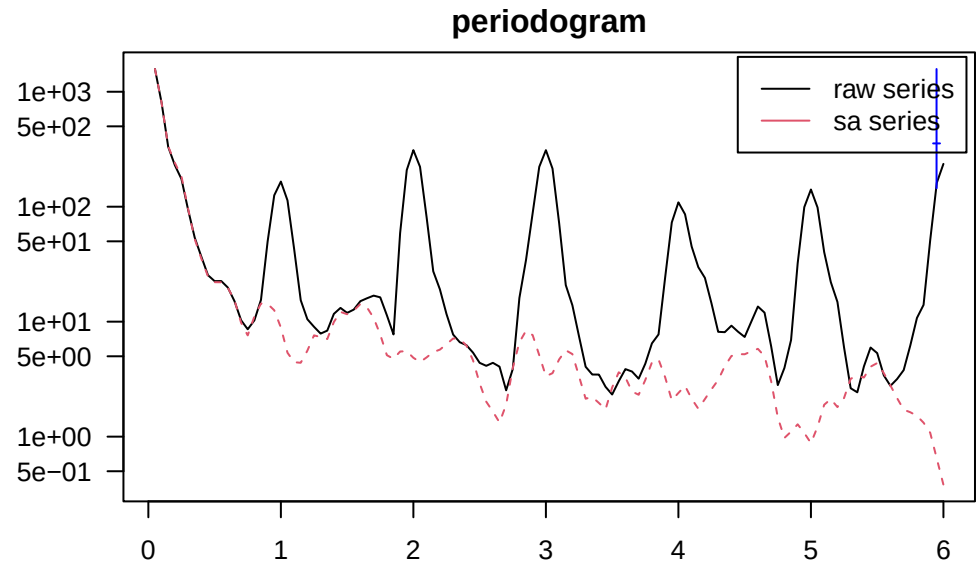
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
50
25
0
−25
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
25
0
−25
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVID08
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
120
110
90
80
70
1.0
0.9
0.8
0.7
0.6
0.5
0.4
2005
2010
2015
2020

DIVID08

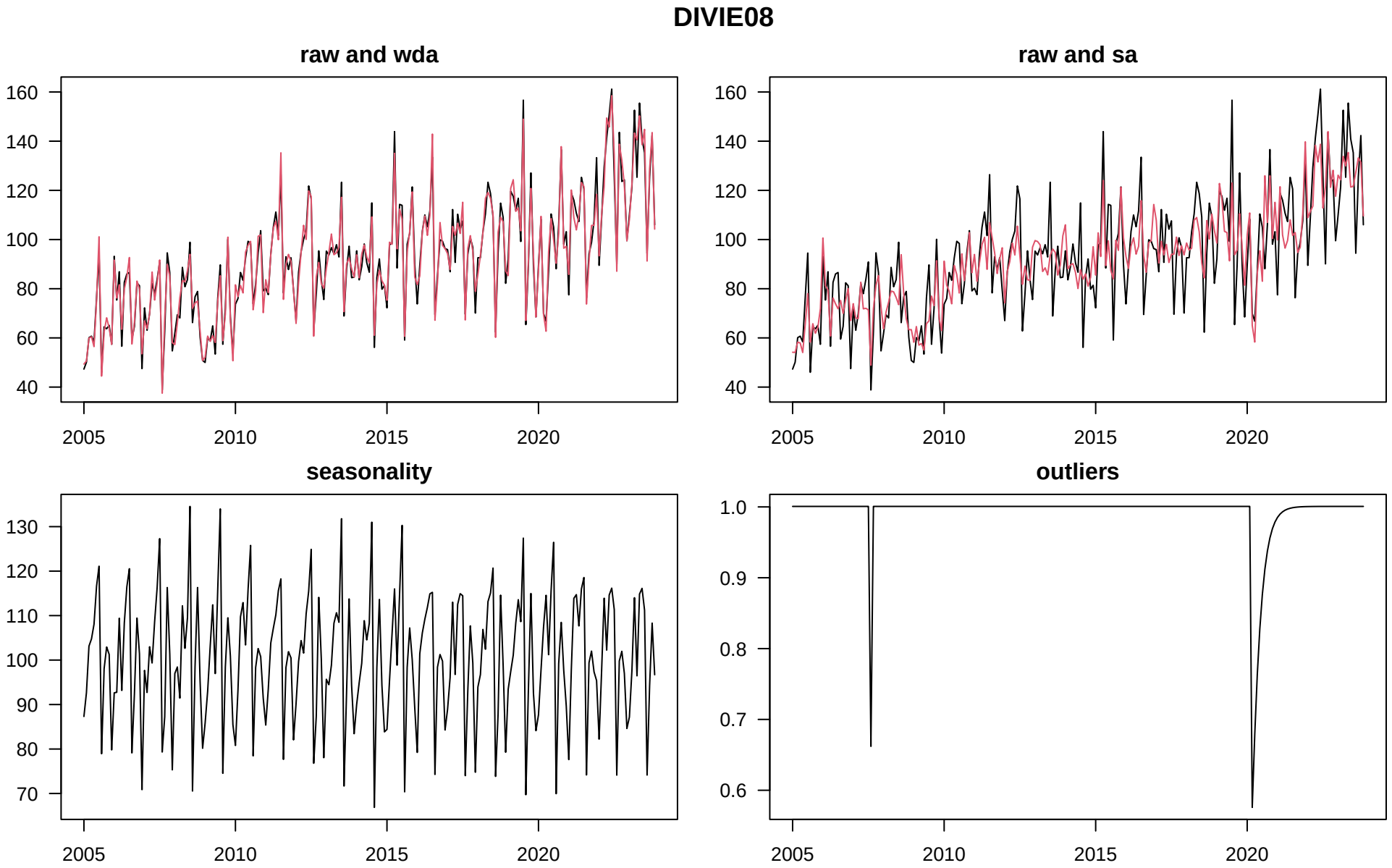

SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
0
1
2
3
4
5
6

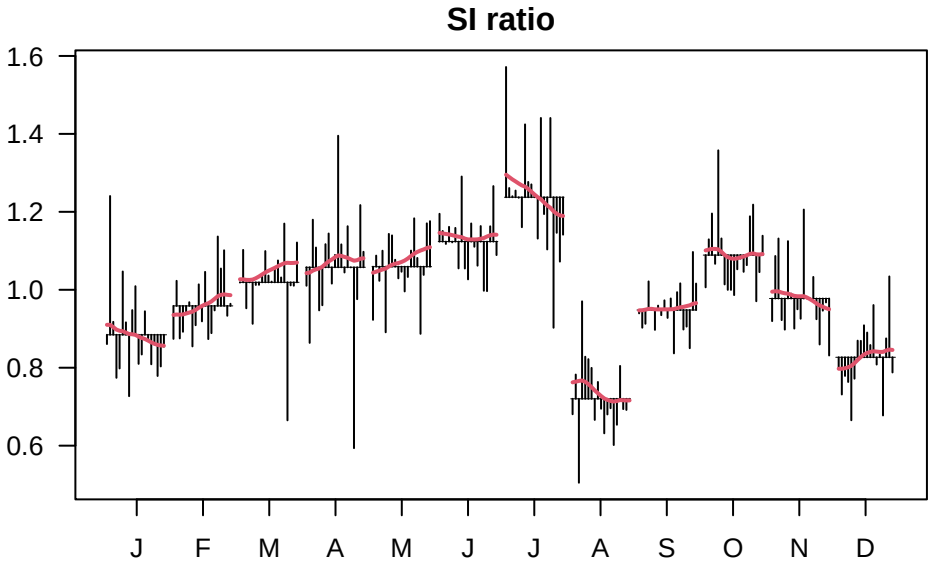
DIVID08

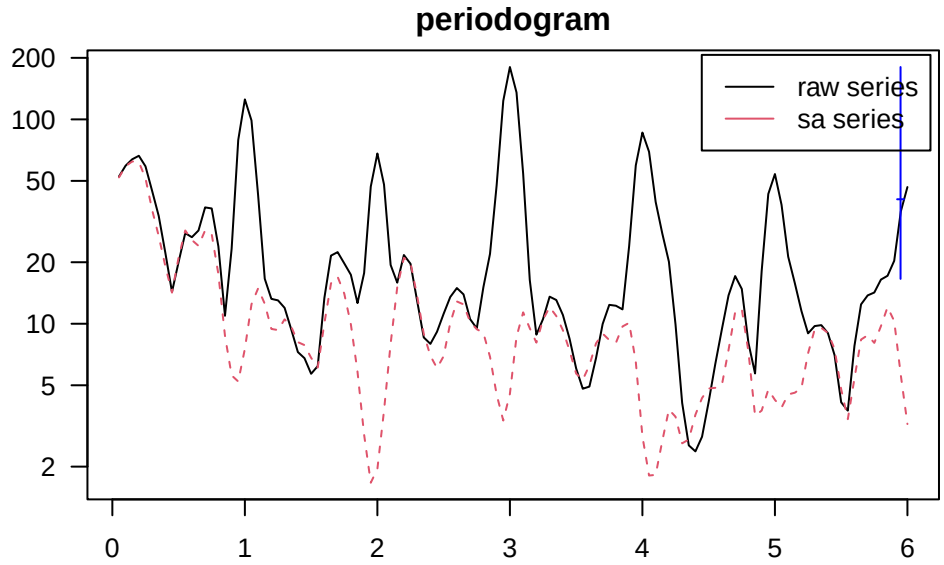
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
25
0
−25
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIE08
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
130
110
90
70
1.0
0.9
0.8
0.7
0.6
2005
2010
2015
2020

DIVIE08

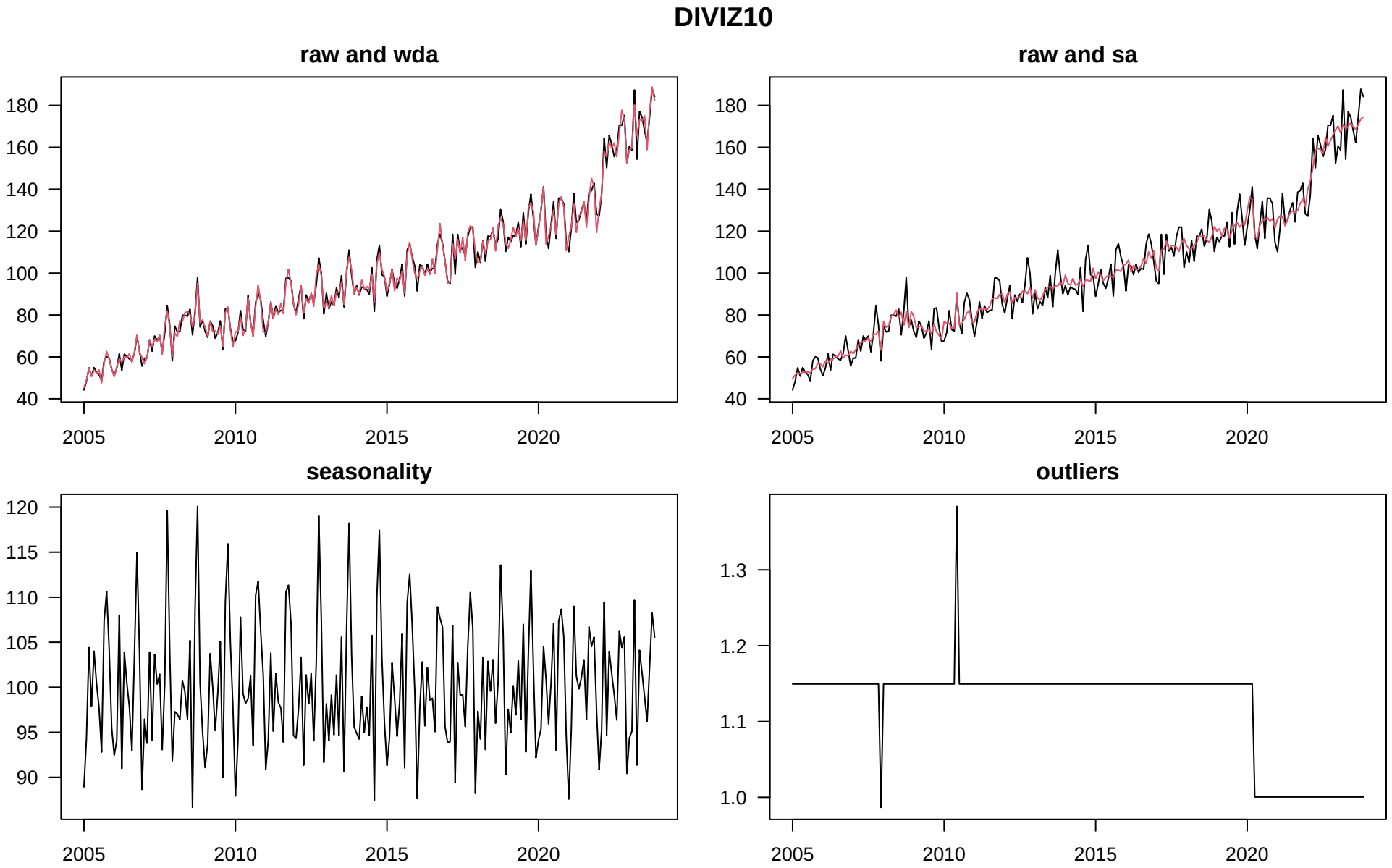

SI ratio
1.6
1.4
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
200
100
50
20
10
5
2
0
1
2
3
4
5
6
raw series
sa series

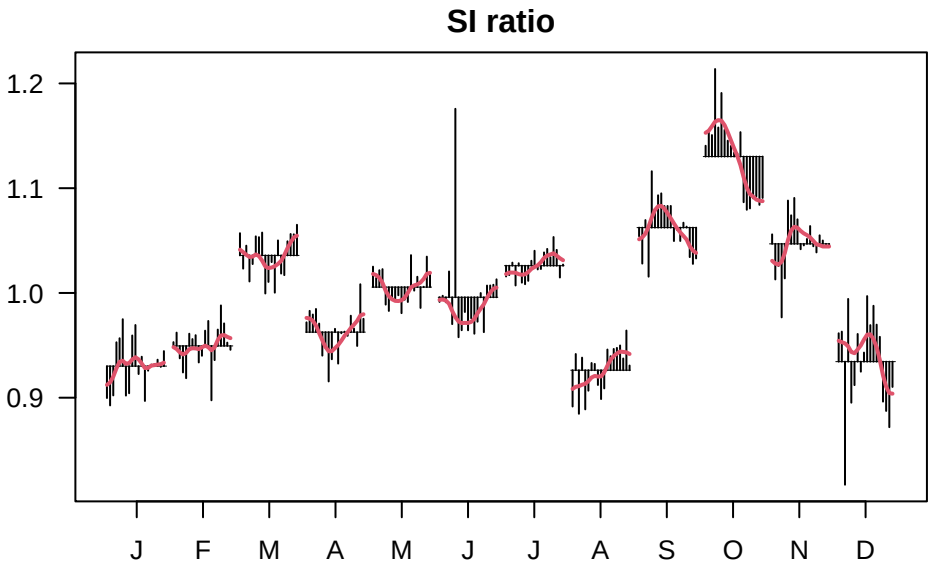
DIVIE08

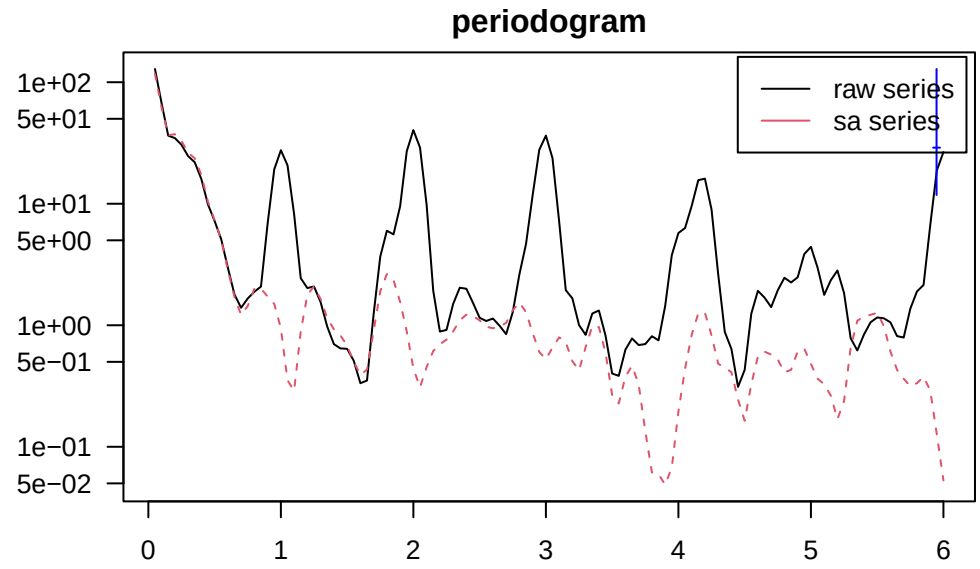
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
60
40
20
0
−20
−40
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIZ10
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
40
2005
2010
2015
2020
120
115
110
105
100
95
90
1.3
1.2
1.1
1.0

DIVIZ10

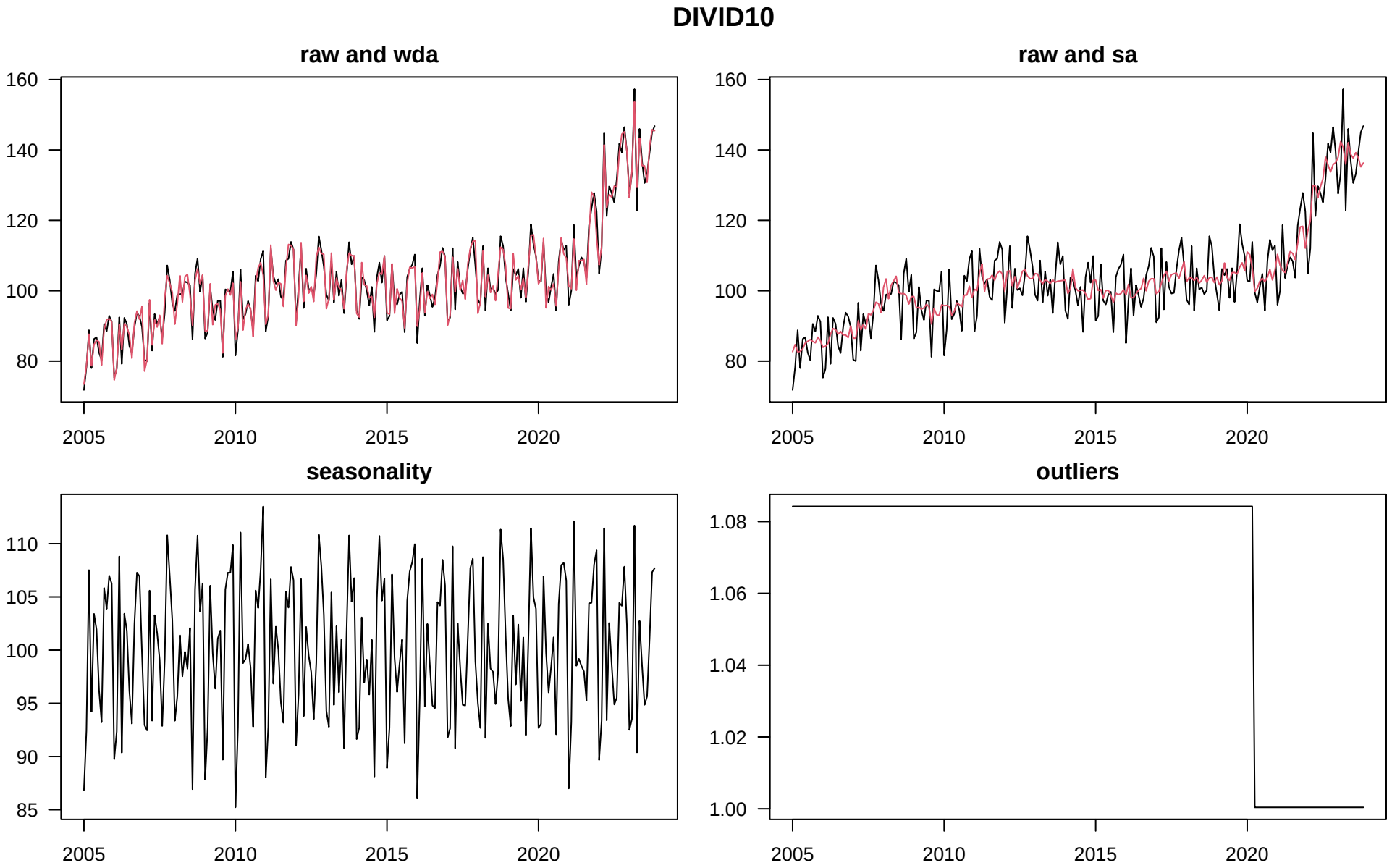

SI ratio
1.2
1.1
1.0
0.9
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6

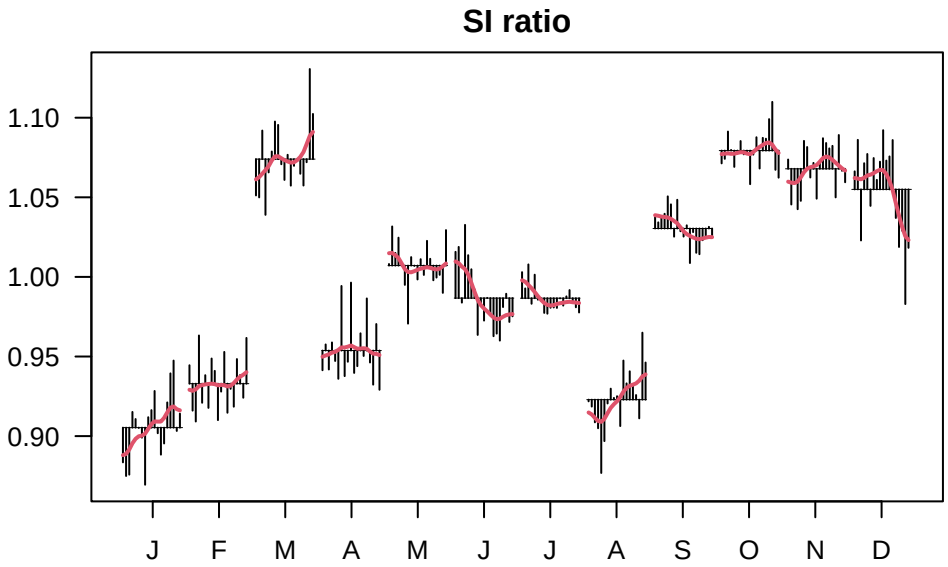
DIVIZ10

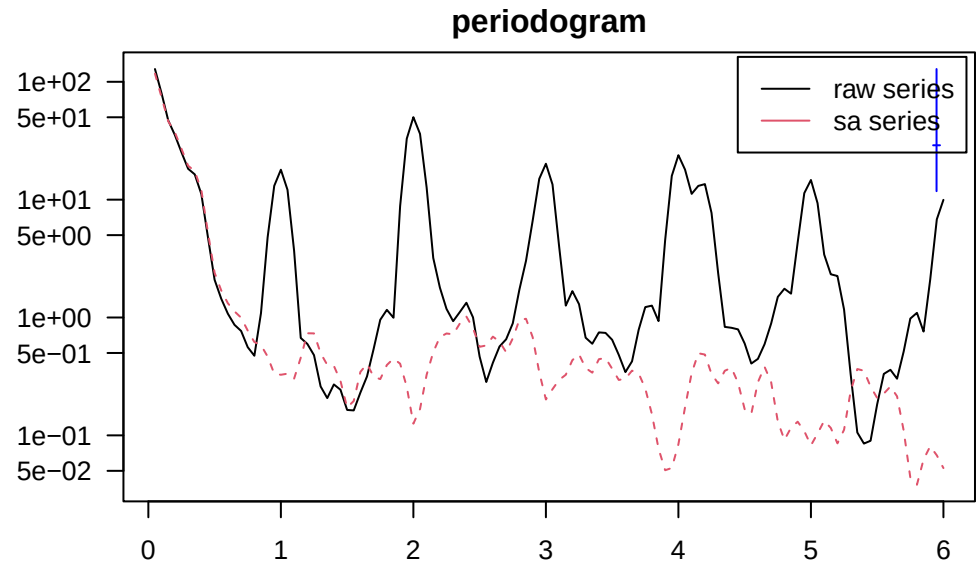
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5.0
2.5
0.0
−2.5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVID10
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
110
105
95
90
85
1.08
1.06
1.04
1.02
1.00
2005
2010
2015
2020

DIVID10

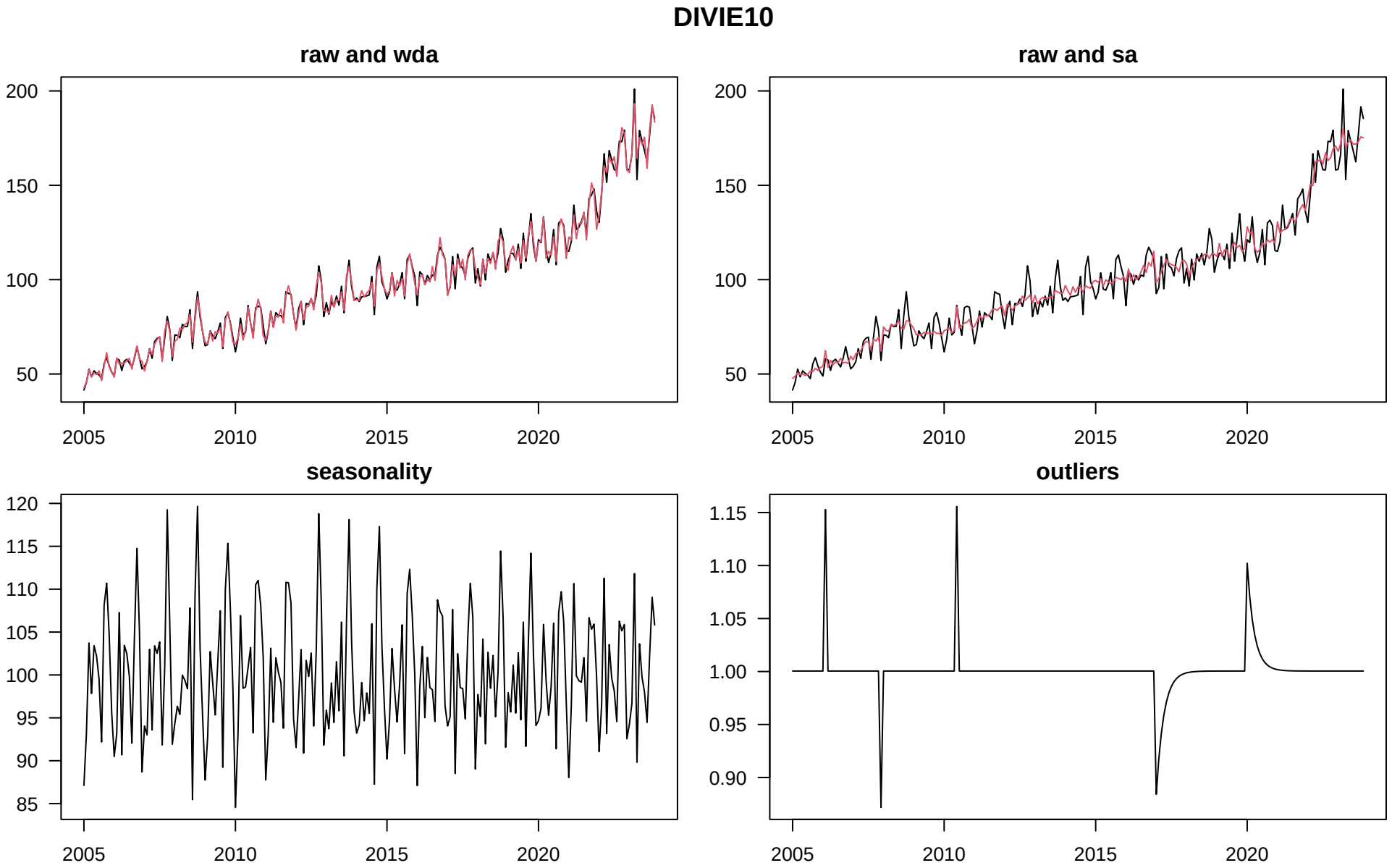

SI ratio
1.10
1.05
1.00
0.95
0.90
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6

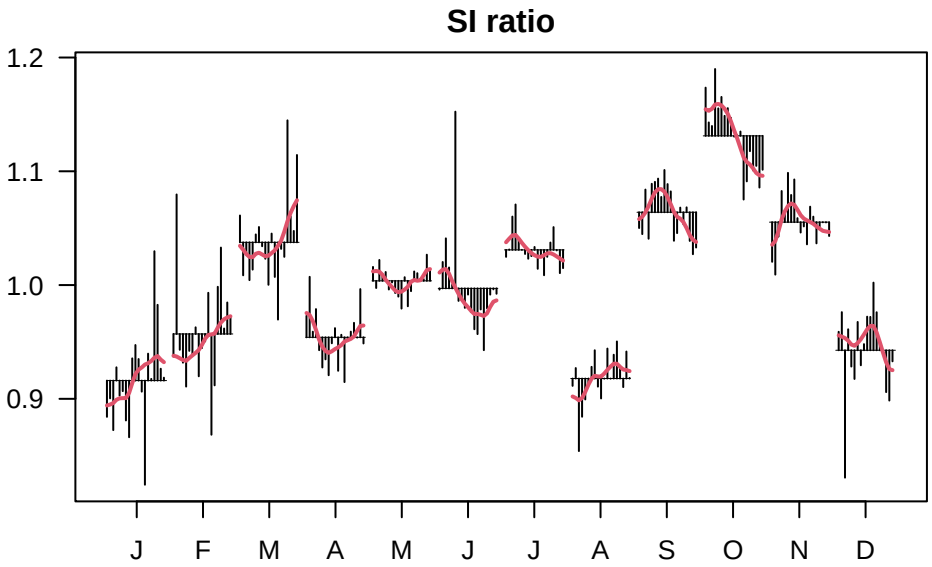
DIVID10

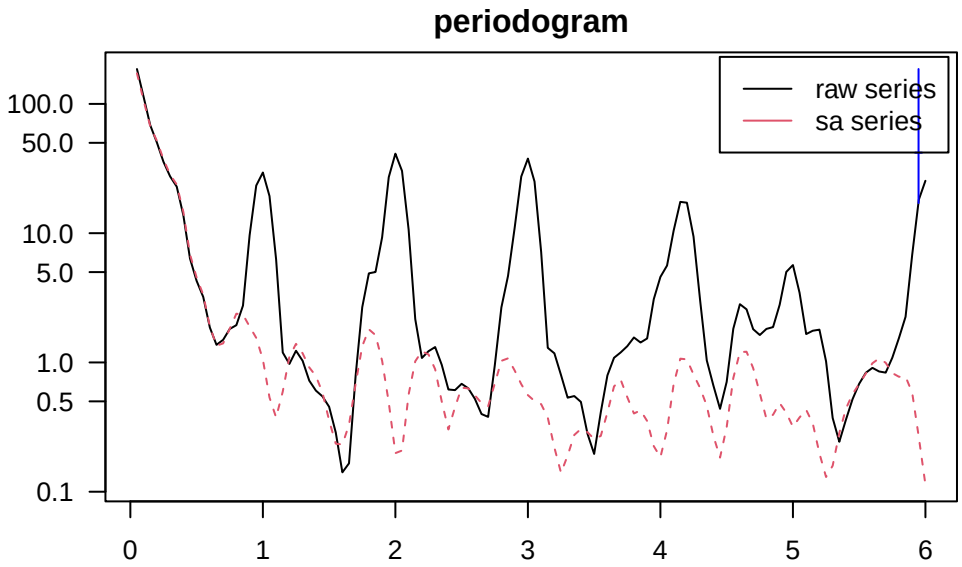
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIE10
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
120
115
110
105
100
95
90
85
1.15
1.10
1.05
1.00
0.95
0.90
2005
2010
2015
2020

DIVIE10


SI ratio
1.2
1.1
1.0
0.9
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
100.0
50.0
10.0
5.0
1.0
0.5
0.1
0
1
2
3
4
5
6

DIVIE10

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
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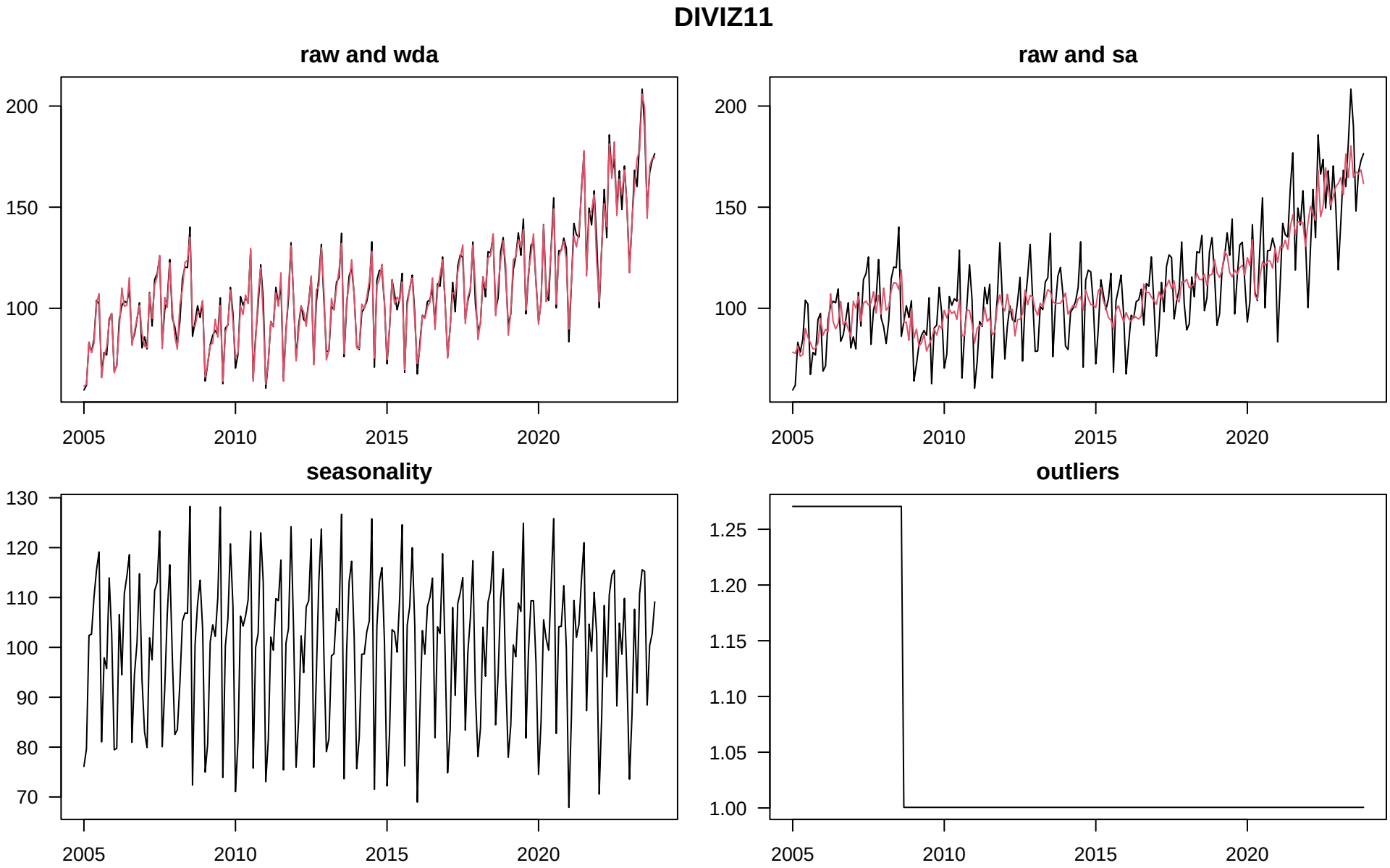
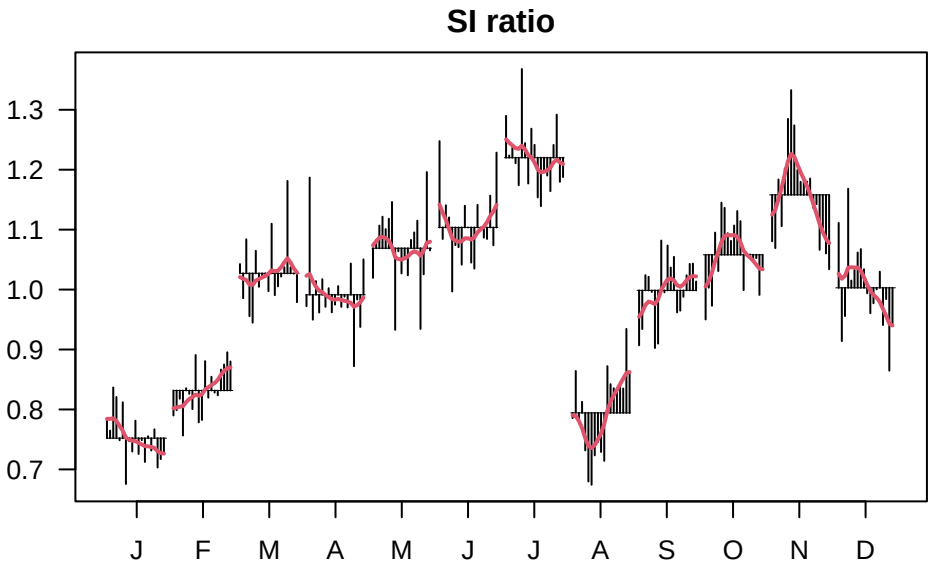
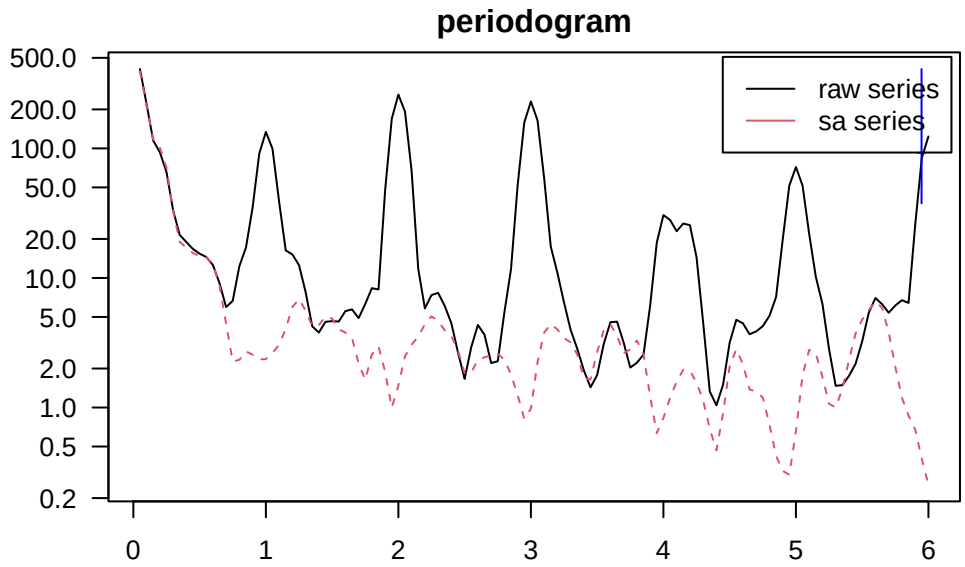
2023−08
2023−09
2023−10
2023−11


DIVIZ11
raw and wda
raw and sa
seasonality
outliers
200
150
100
130
120
110
100
90
80
70
1.25
1.20
1.15
1.10
1.05
1.00
2005
2010
2015
2020

DIVIZ11

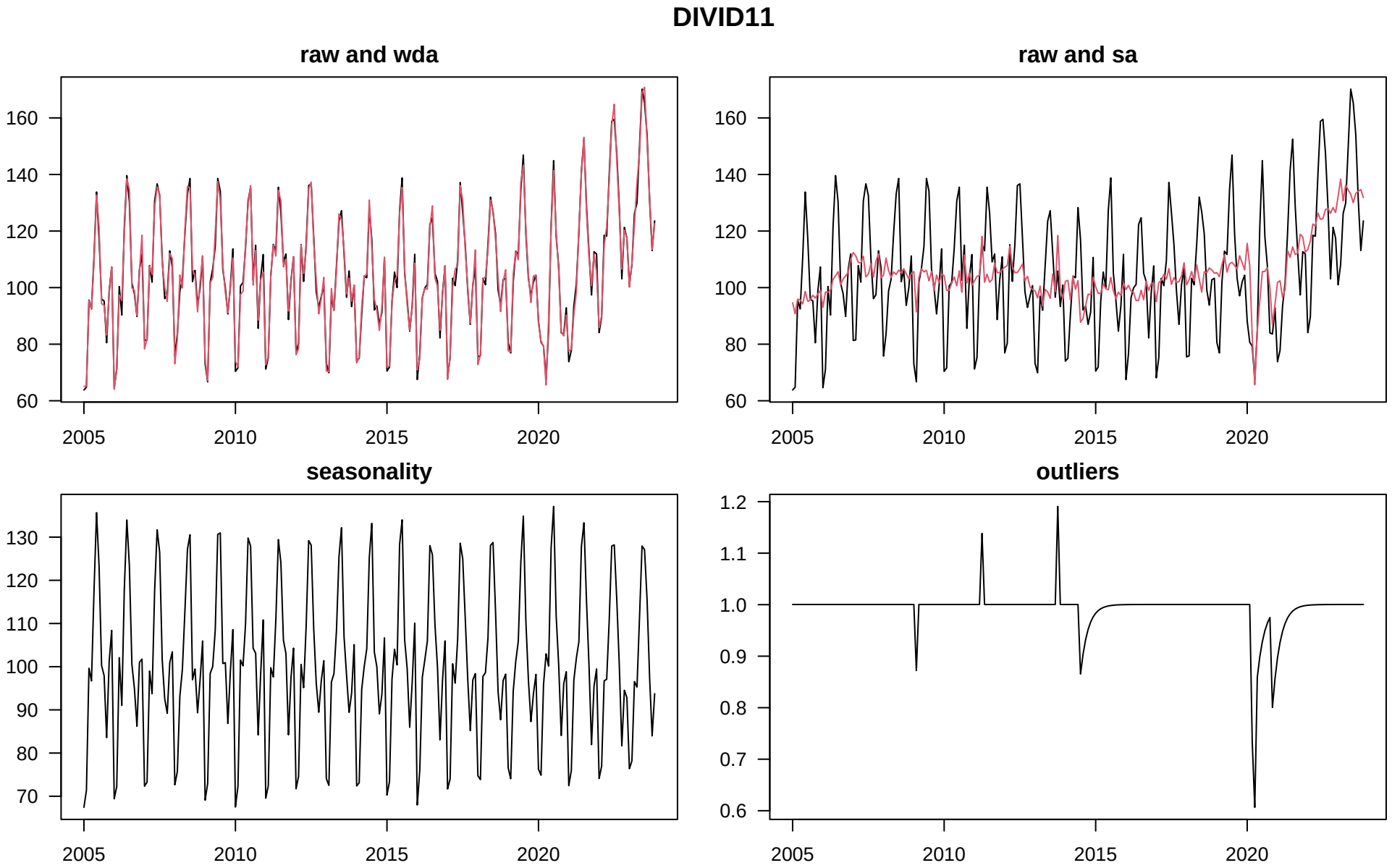

SI ratio
1.3
1.2
1.1
1.0
0.9
0.8
0.7
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6
raw series
sa series

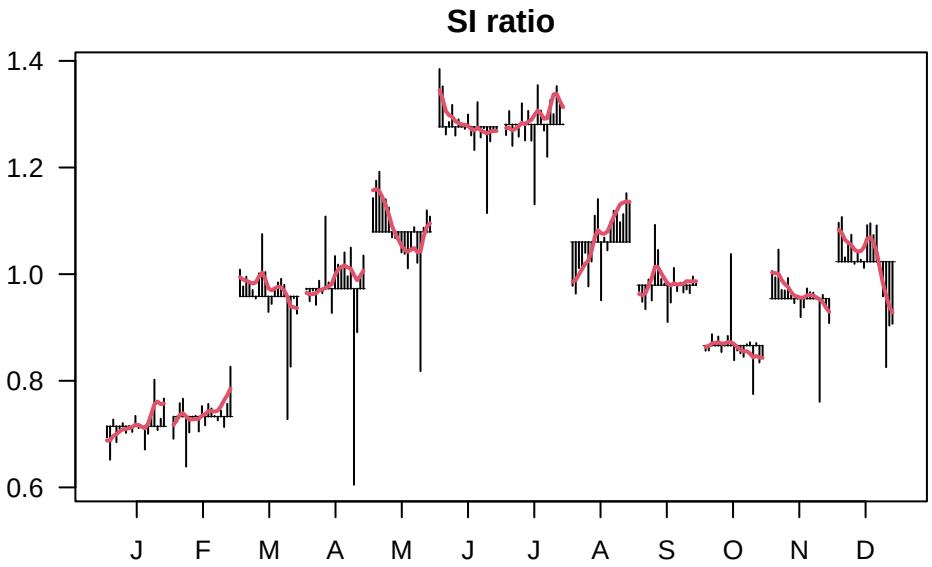
DIVIZ11

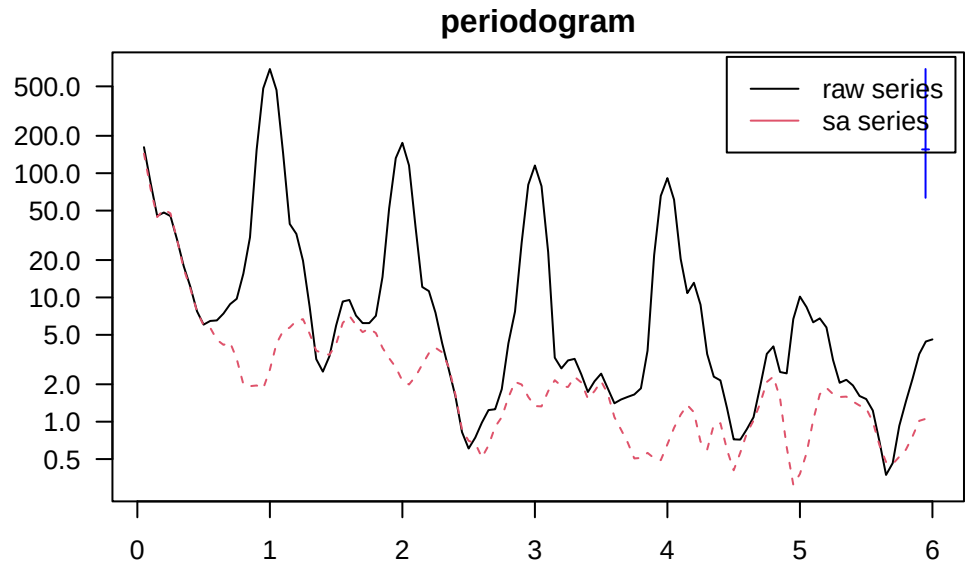
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
30
20
10
0
−10
−20
−30
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVID11
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
130
110
90
70
1.2
1.1
1.0
0.9
0.8
0.7
0.6
2005
2010
2015
2020

DIVID11


SI ratio
1.4
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
3
4
5
6

DIVID11

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
3
0
−3
−6
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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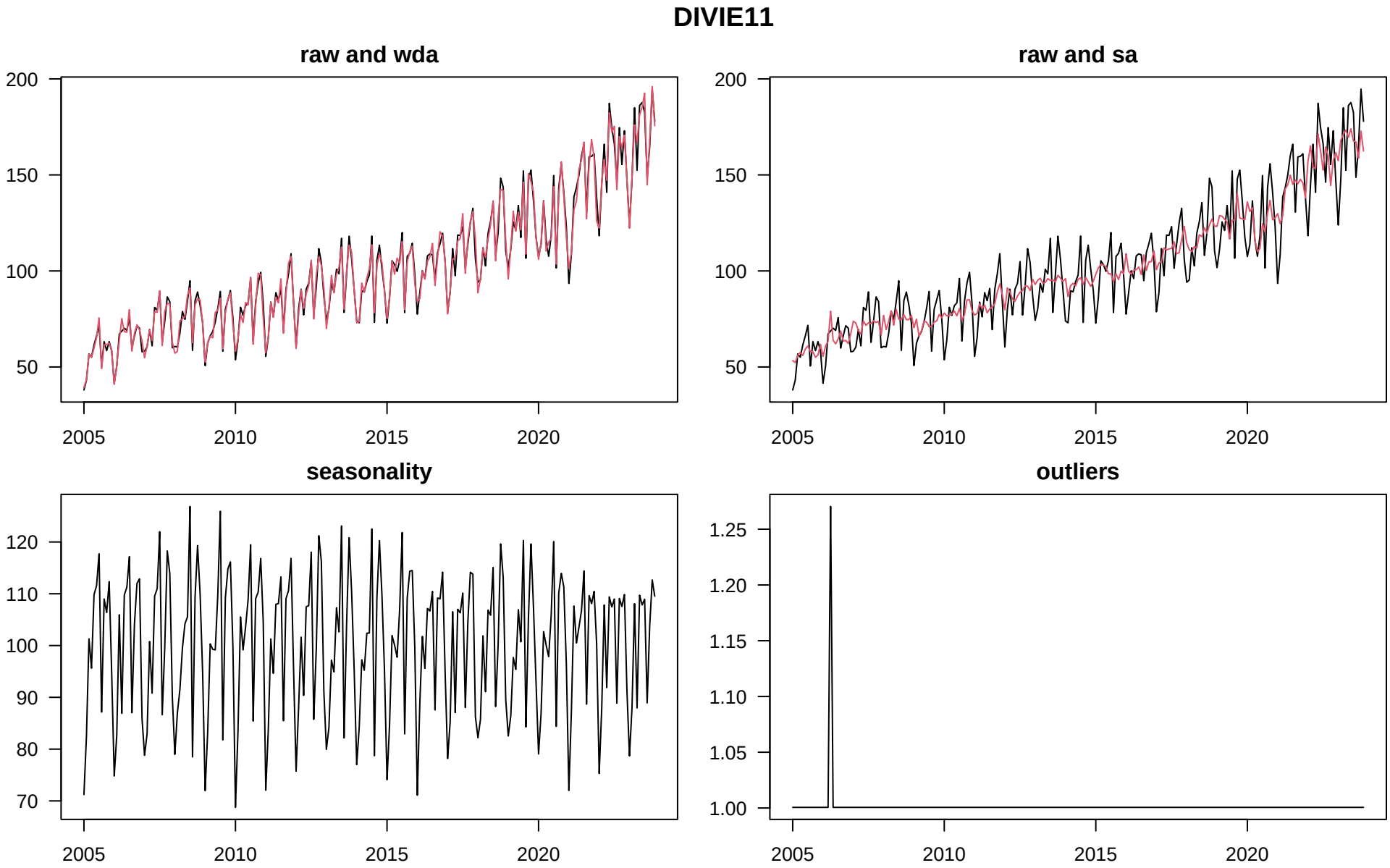
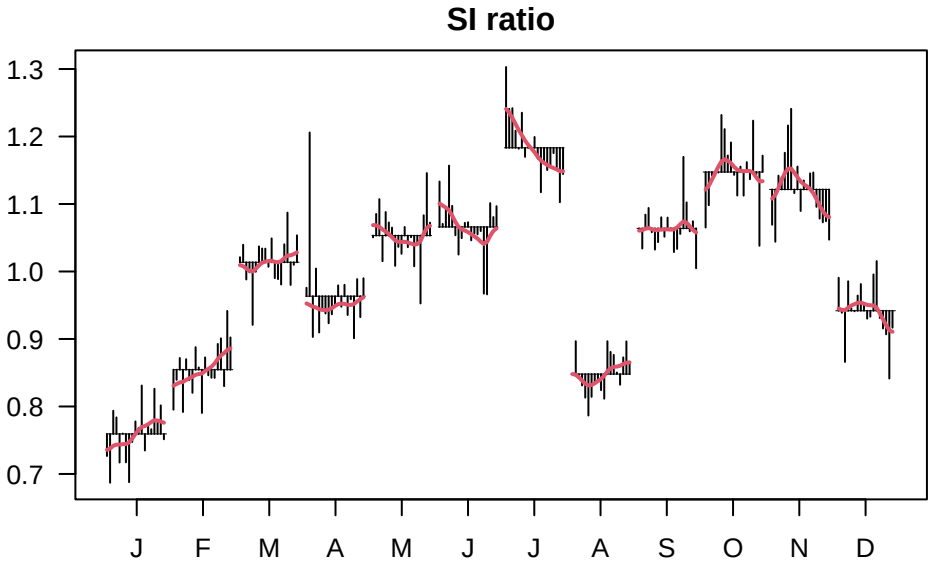
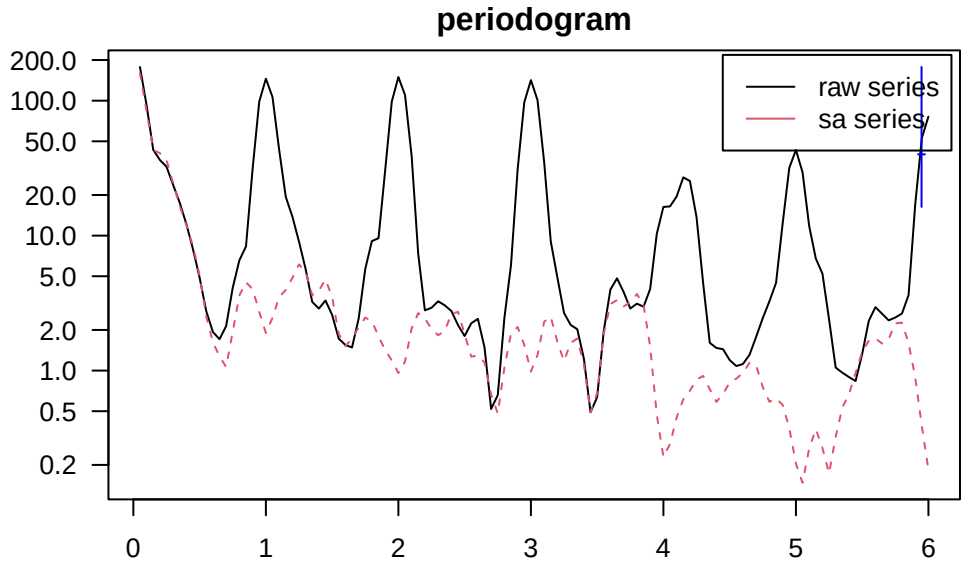
2023−08
2023−09
2023−10
2023−11


DIVIE11
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
120
110
90
80
70
1.25
1.20
1.15
1.10
1.05
1.00
2005
2010
2015
2020

DIVIE11


SI ratio
1.3
1.2
1.1
1.0
0.9
0.8
0.7
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
raw series
sa series
0
1
2
3
4
5
6

DIVIE11

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
15
10
5
0
−5
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
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2023−01
2023−02
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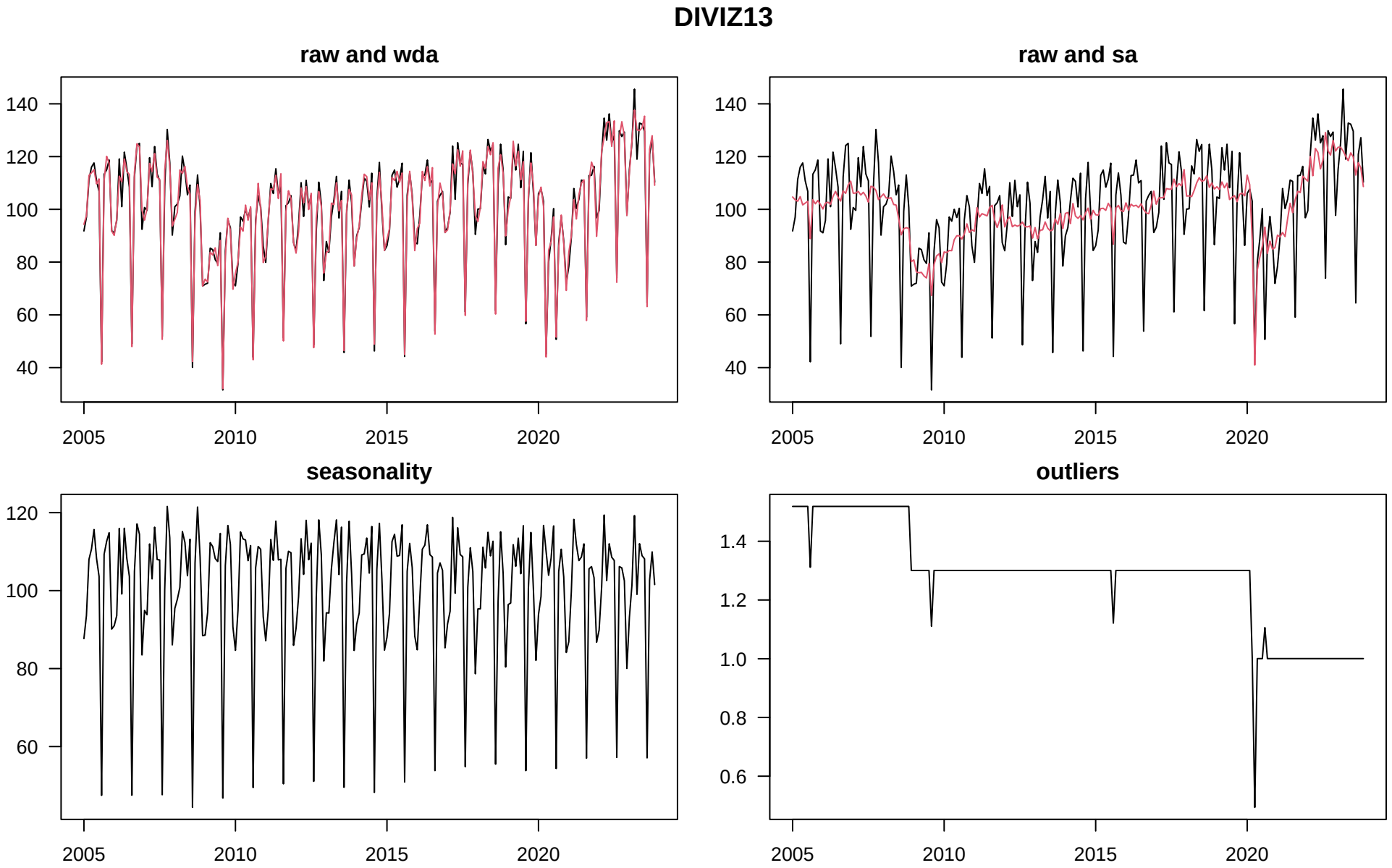
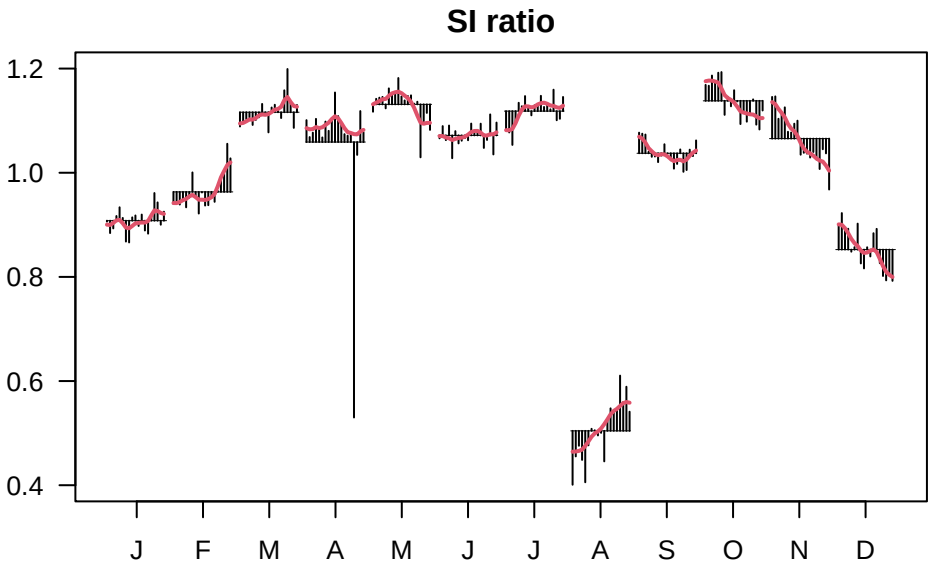
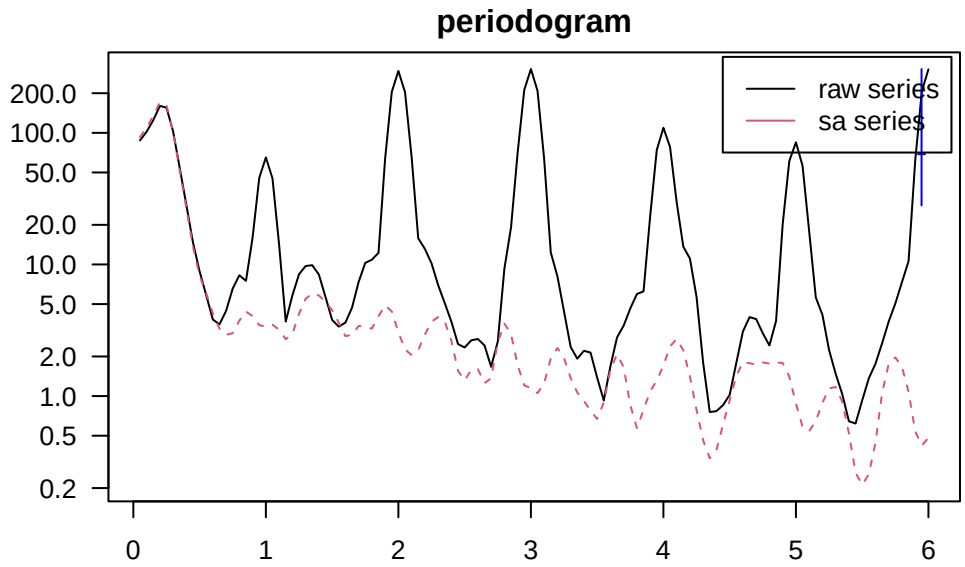
2023−10
2023−11


DIVIZ13
raw and wda
raw and sa
seasonality
outliers
140
120
100
80
60
40
1.4
1.2
1.0
0.8
0.6
2005
2010
2015
2020

DIVIZ13

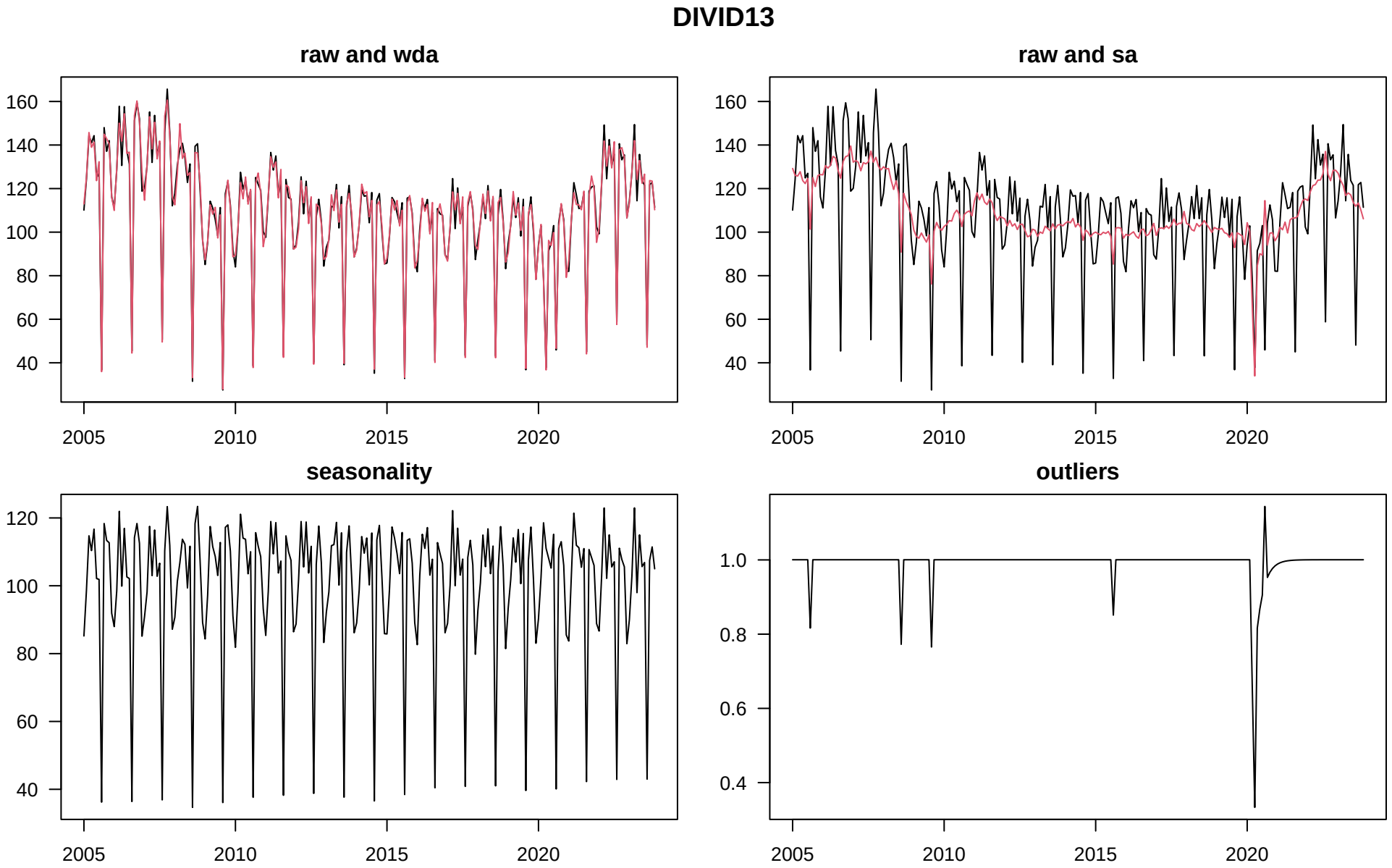

SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6

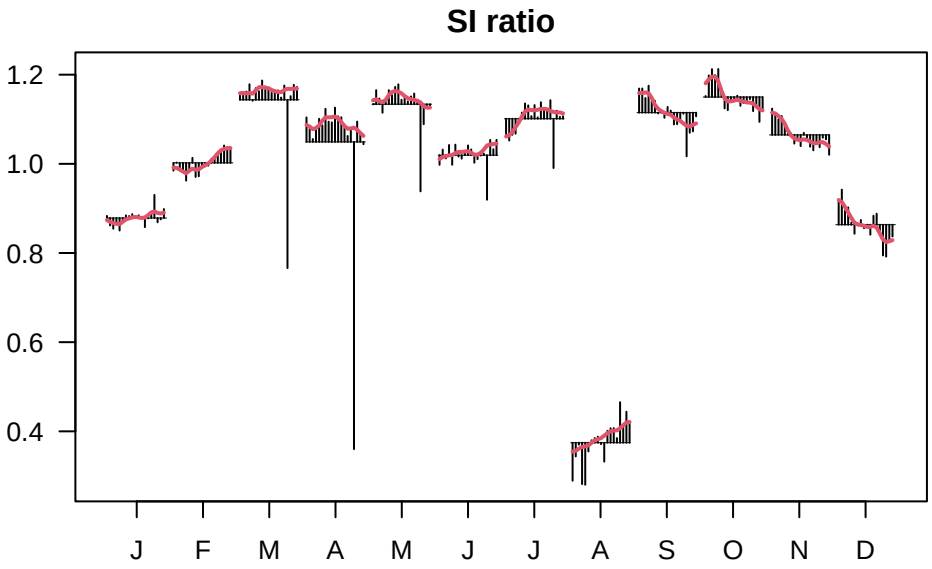
DIVIZ13

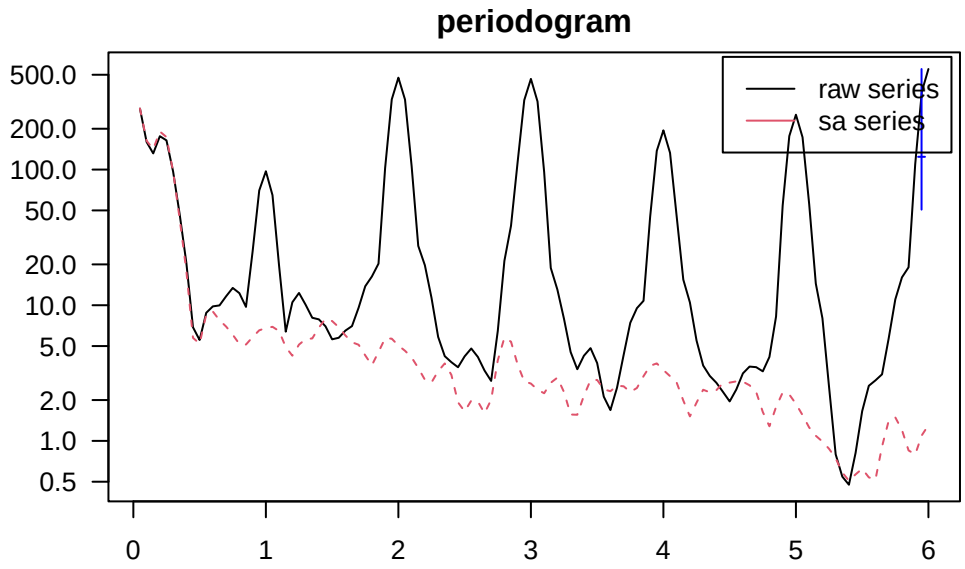
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
100
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVID13
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
1.0
0.8
0.6
0.4
2005
2010
2015
2020

DIVID13

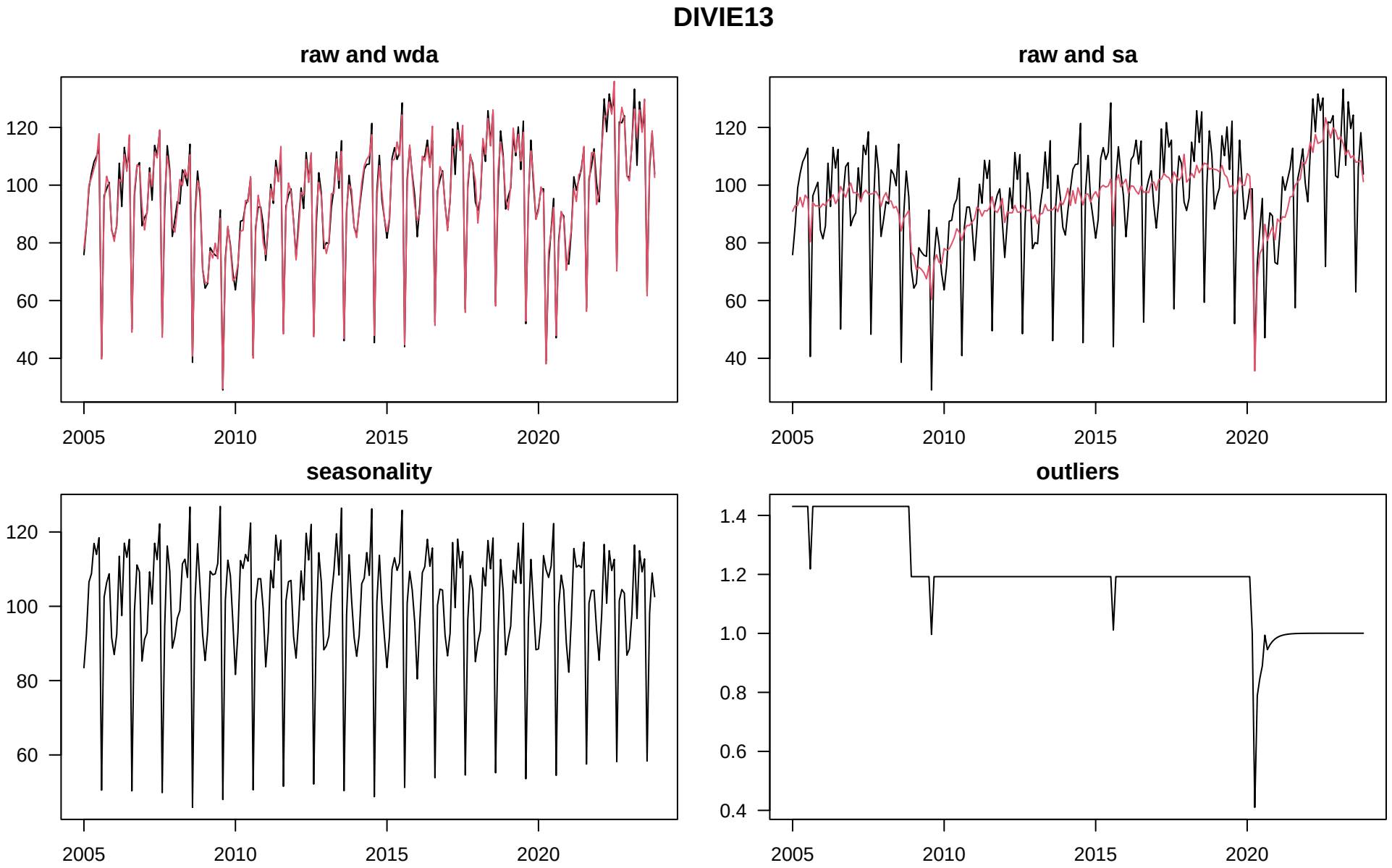

SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
raw series
sa series
0
1
2
3
4
5
6

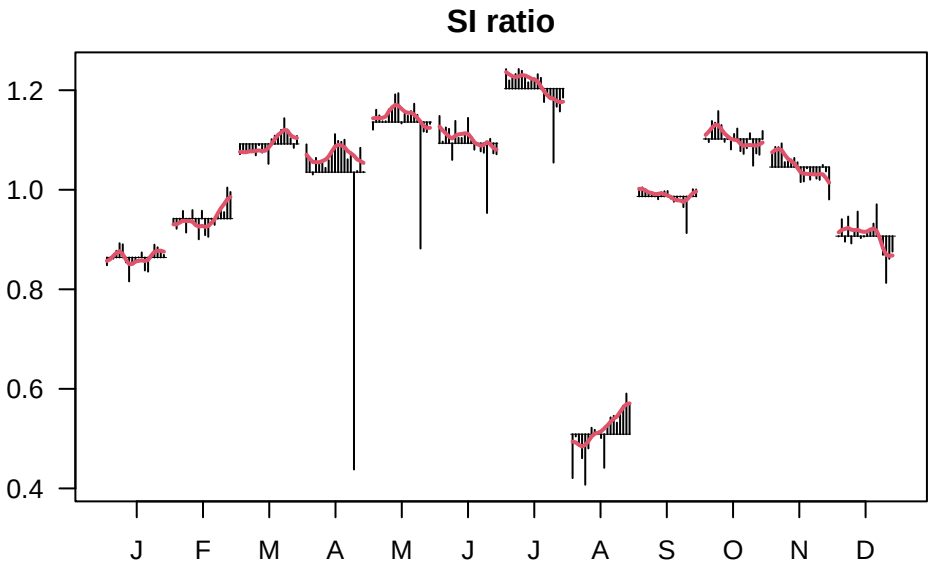
DIVID13

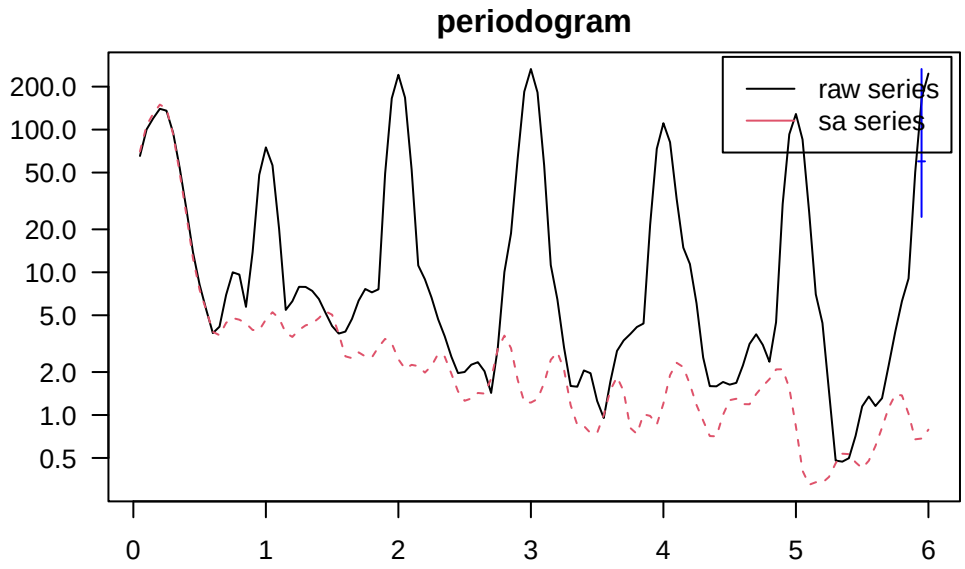
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
150
100
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIE13
raw and wda
raw and sa
seasonality
outliers
120
100
80
60
40
1.4
1.2
1.0
0.8
0.6
0.4
2005
2010
2015
2020

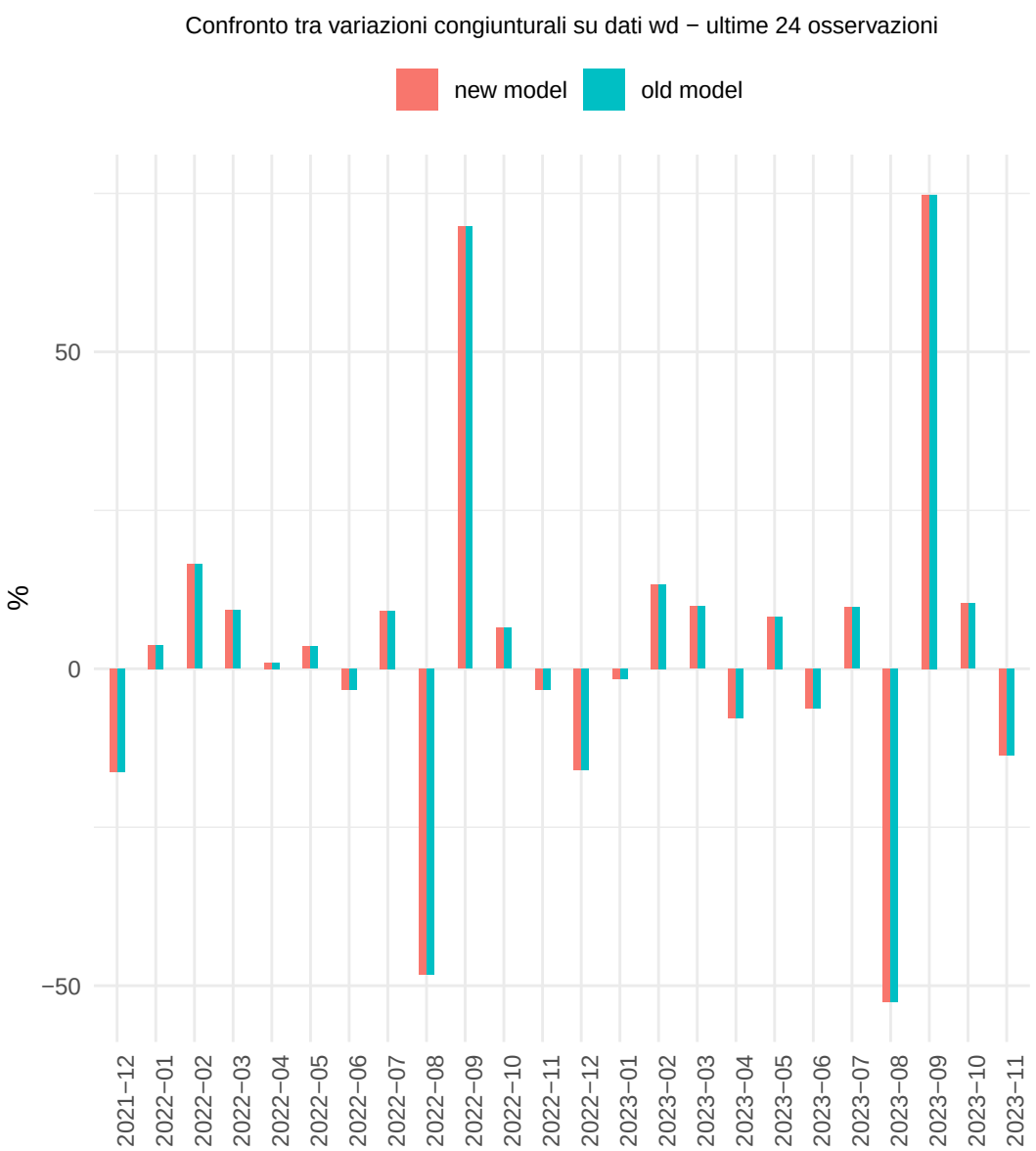
DIVIE13


SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
3
4
5
6

DIVIE13

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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2023−06
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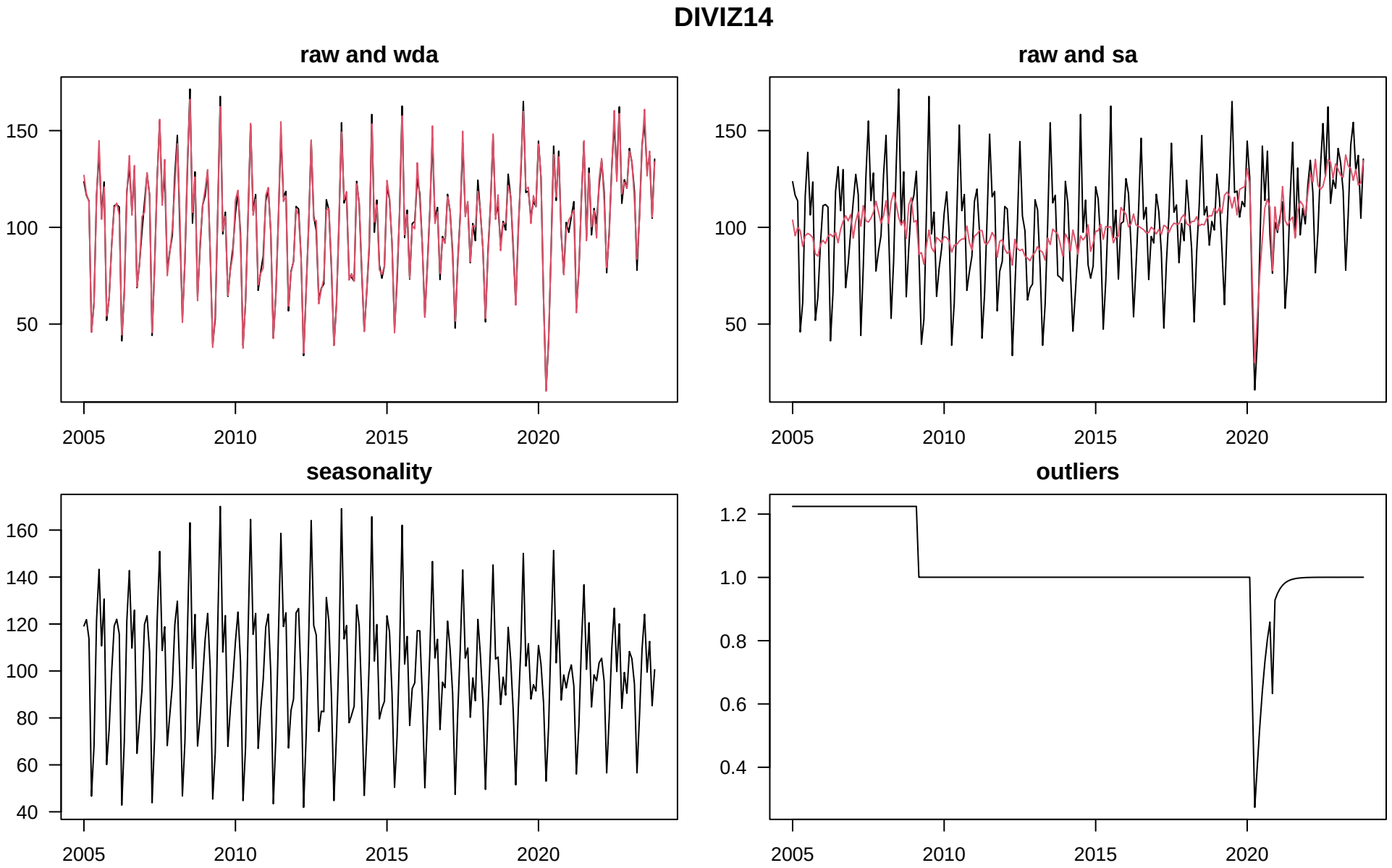
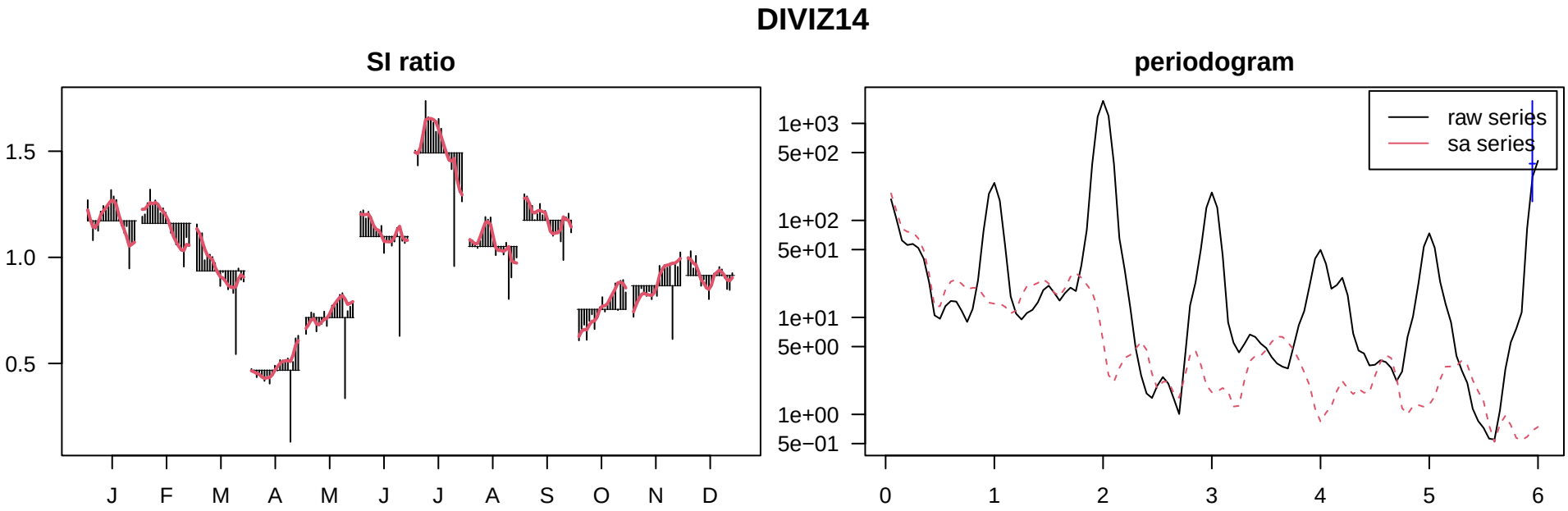
2023−08
2023−09
2023−10
2023−11


DIVIZ14
raw and wda
raw and sa
seasonality
outliers
150
100
50
160
140
120
100
80
60
40
1.2
1.0
0.8
0.6
0.4
2005
2010
2015
2020


DIVIZ14
SI ratio
1.5
1.0
0.5
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
raw series
sa series
0
1
2
3
4
5
6

DIVIZ14

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
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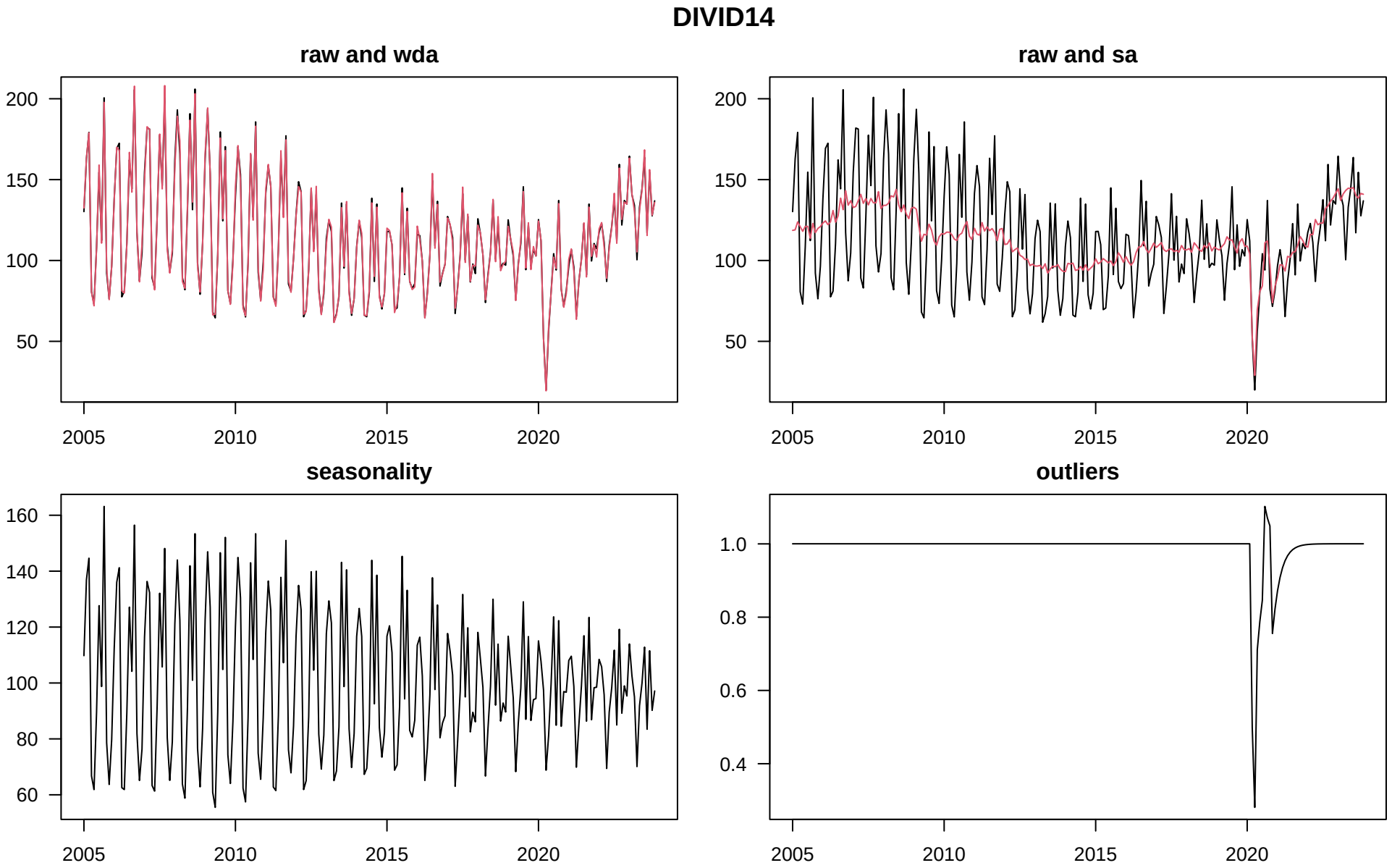
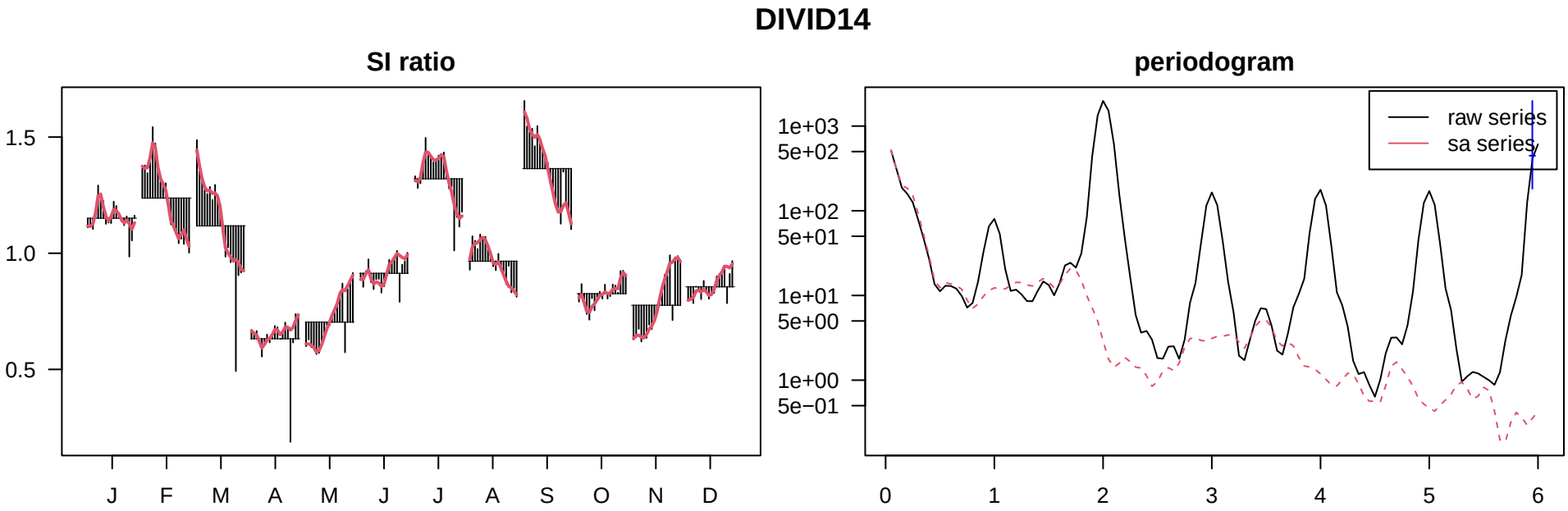
2023−08
2023−09
2023−10
2023−11


DIVID14
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
160
140
120
100
80
60
1.0
0.8
0.6
0.4
2005
2010
2015
2020


DIVID14
SI ratio
1.5
1.0
0.5
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
raw series
sa series
0
1
2
3
4
5
6

DIVID14

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
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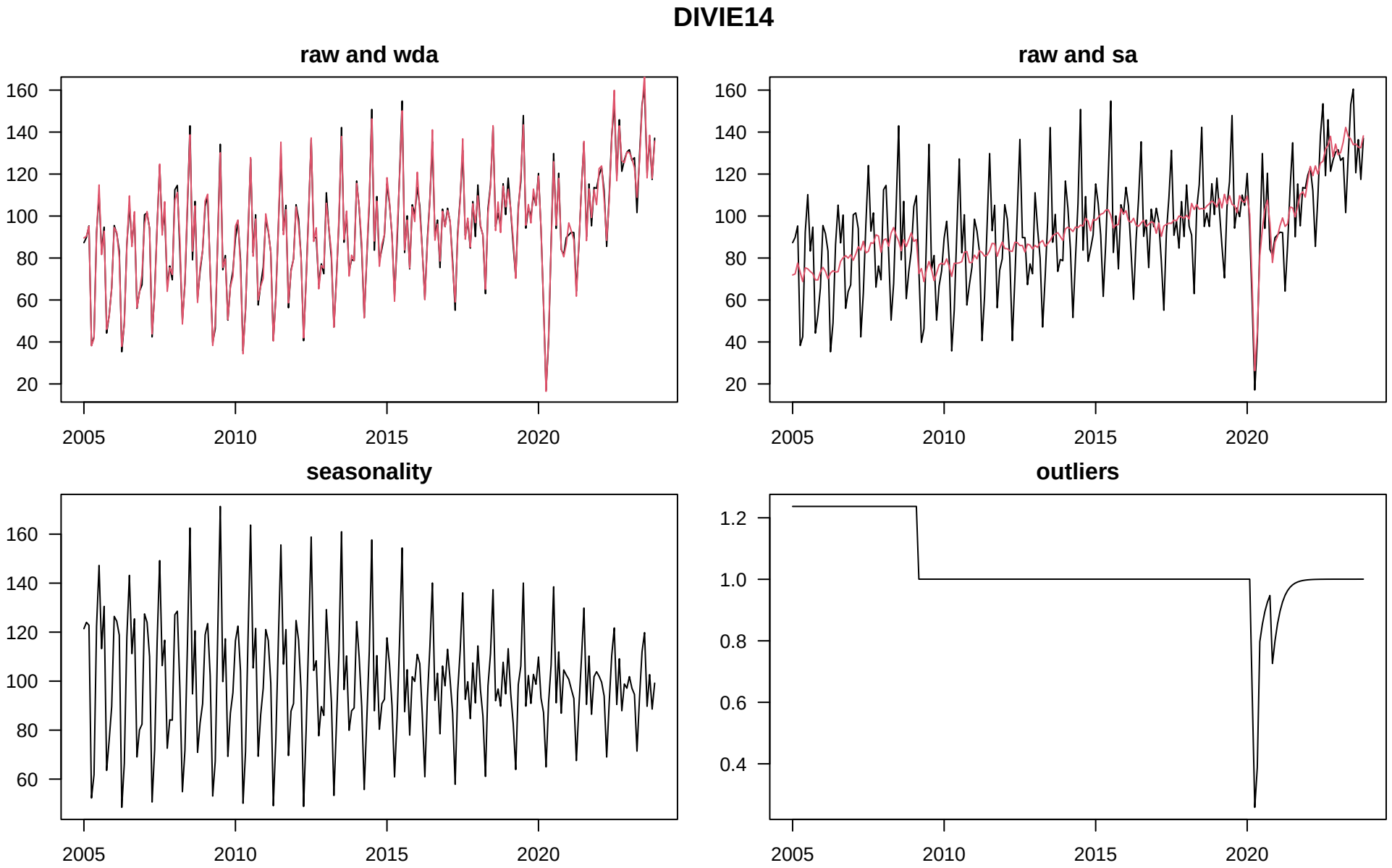
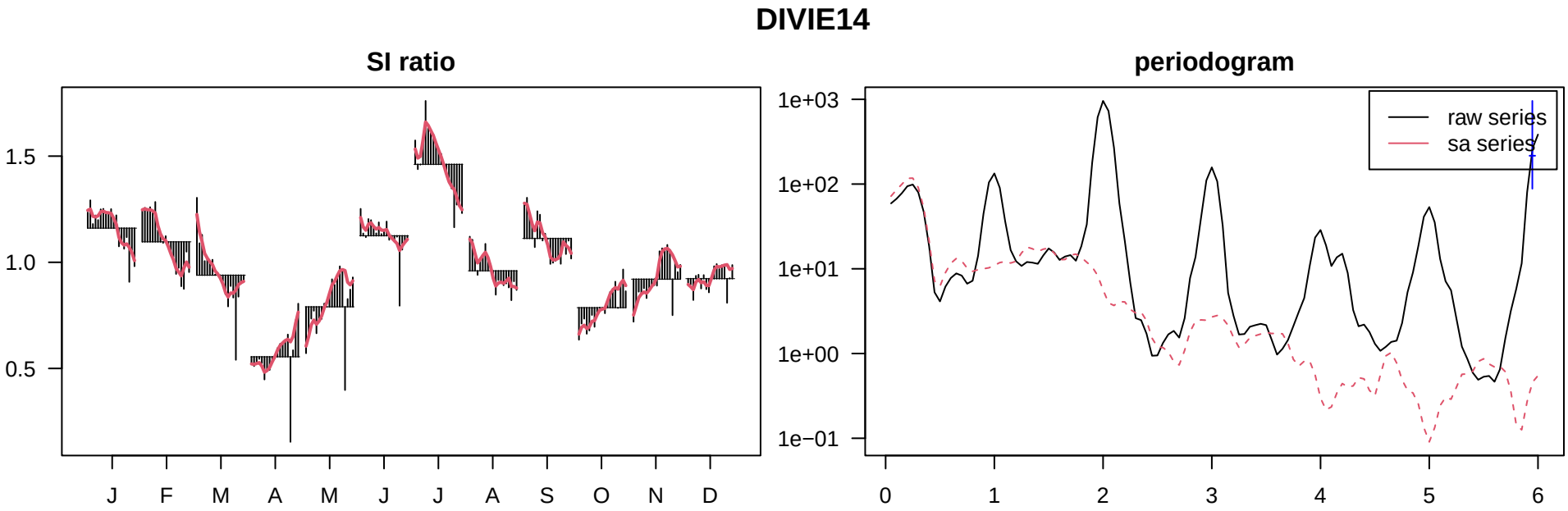
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIE14
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
20
1.2
1.0
0.8
0.6
0.4
2005
2010
2015
2020


DIVIE14
SI ratio
1.5
1.0
0.5
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
1e+03
1e+02
1e+01
1e+00
1e−01
raw series
sa series
0
1
2
3
4
5
6

DIVIE14

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
8
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
30
20
10
0
−10
−20
−30
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
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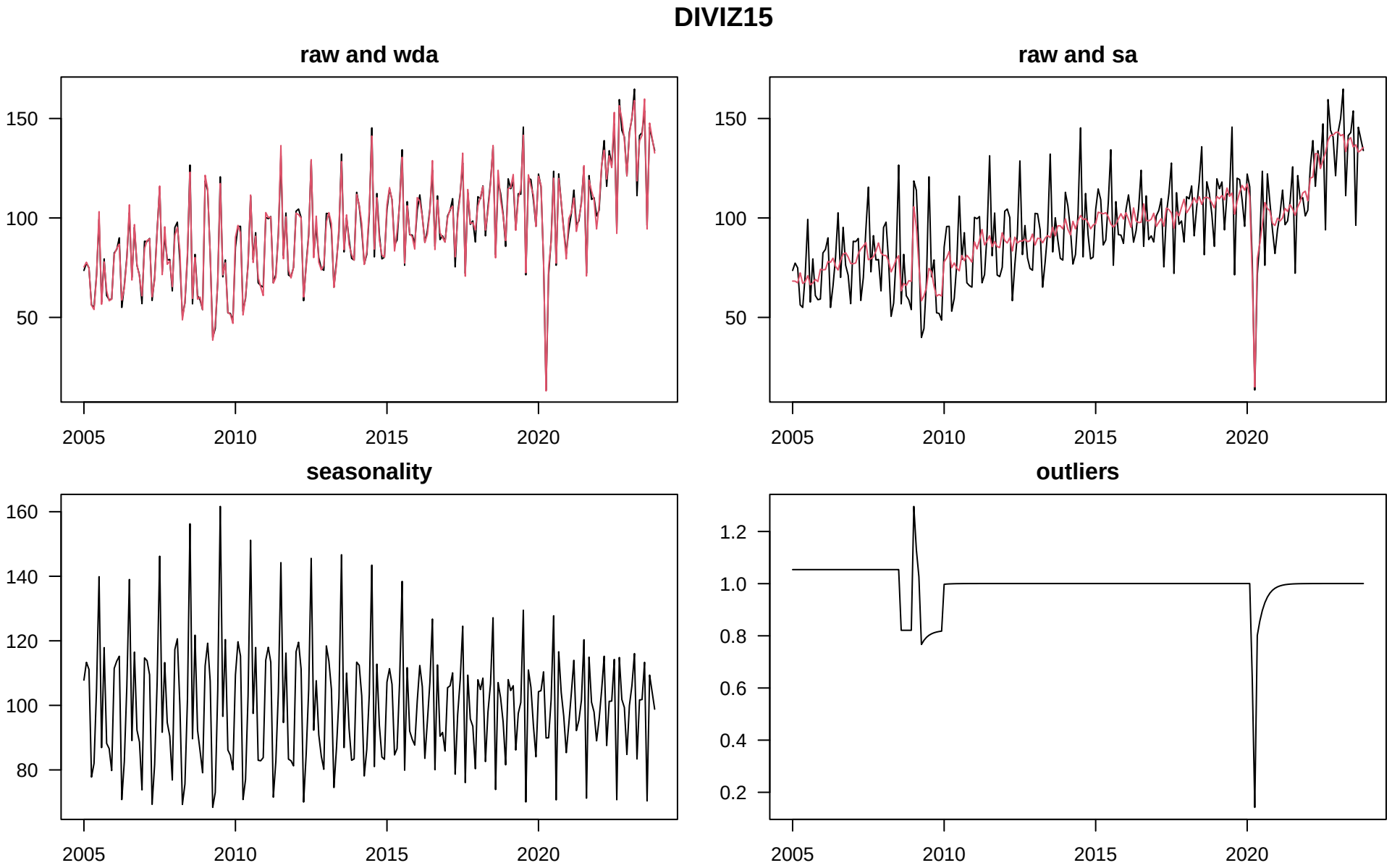
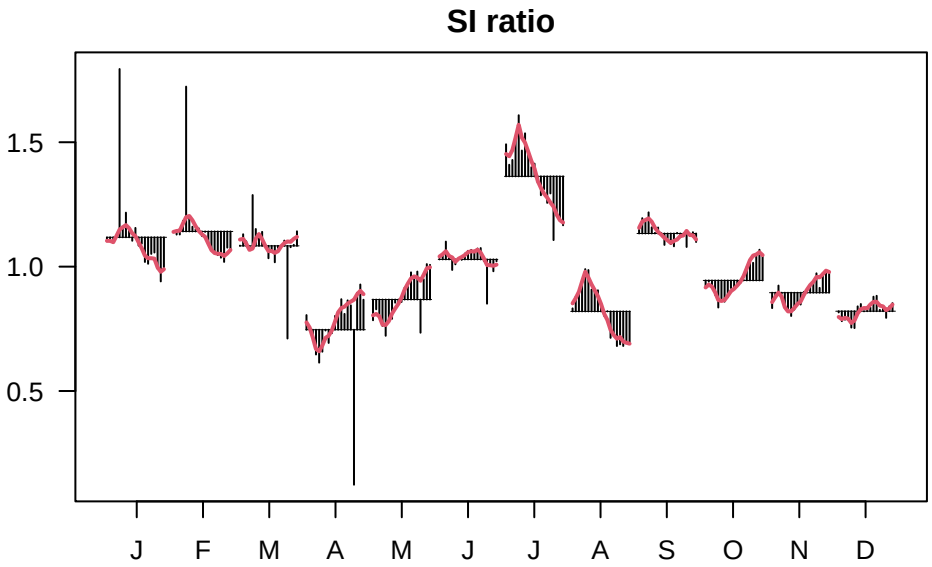
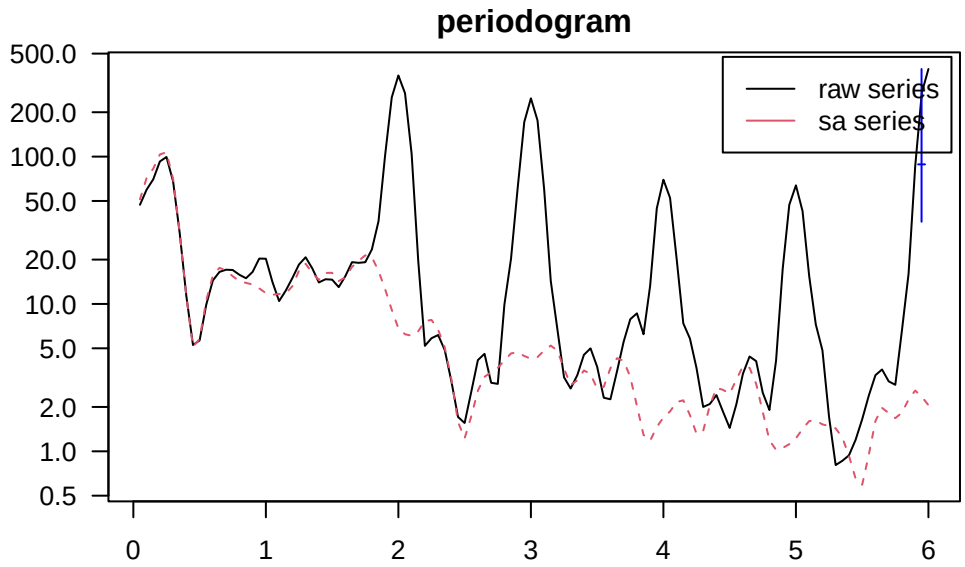
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

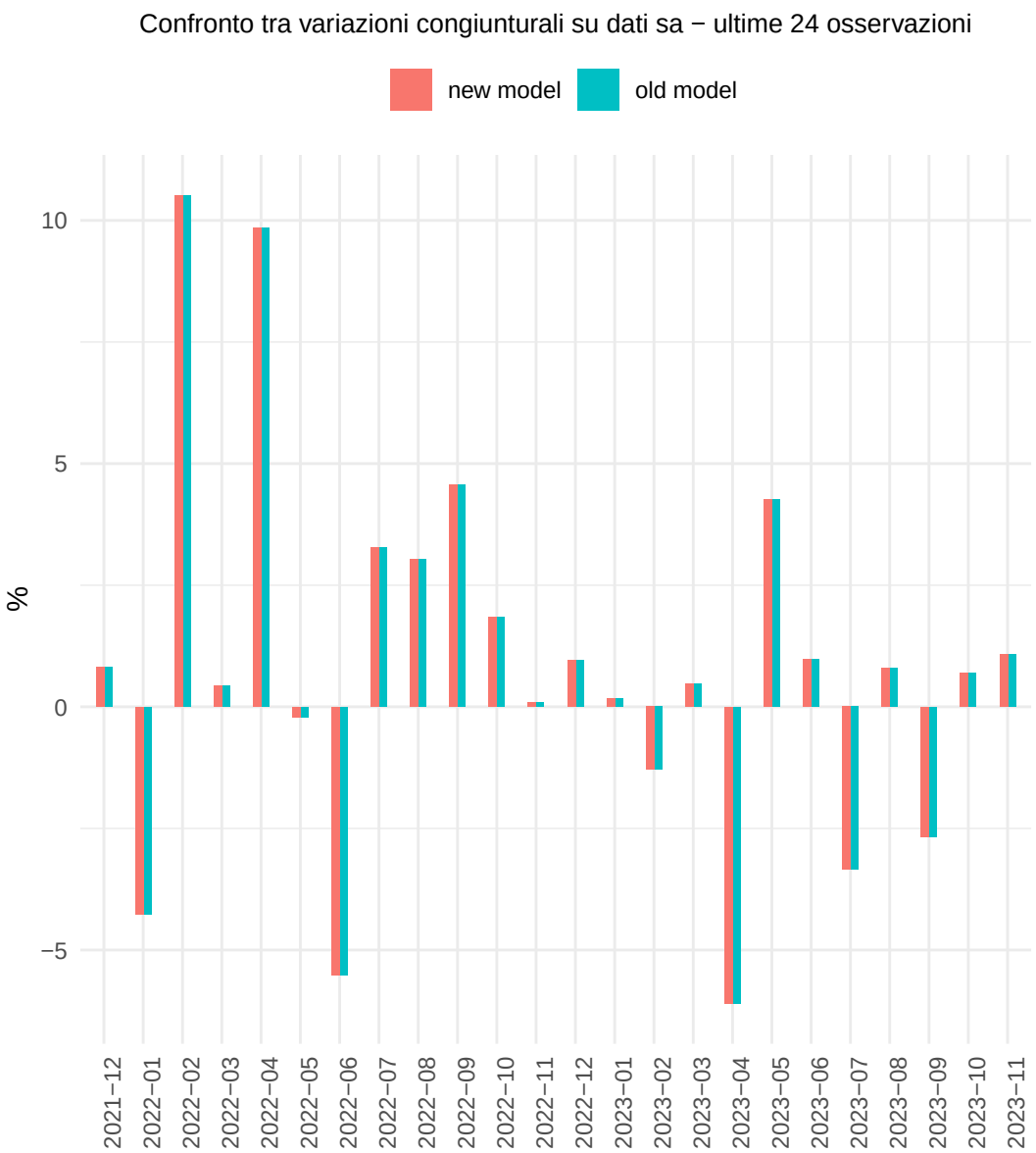

DIVIZ15
raw and wda
raw and sa
seasonality
outliers
150
100
50
160
140
120
100
80
1.2
1.0
0.8
0.6
0.4
0.2
2005
2010
2015
2020

DIVIZ15


SI ratio
1.5
1.0
0.5
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
raw series
sa series
0
1
2
3
4
5
6

DIVIZ15


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
75
50
25
0
−25
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
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2023−04
2023−05
2023−06
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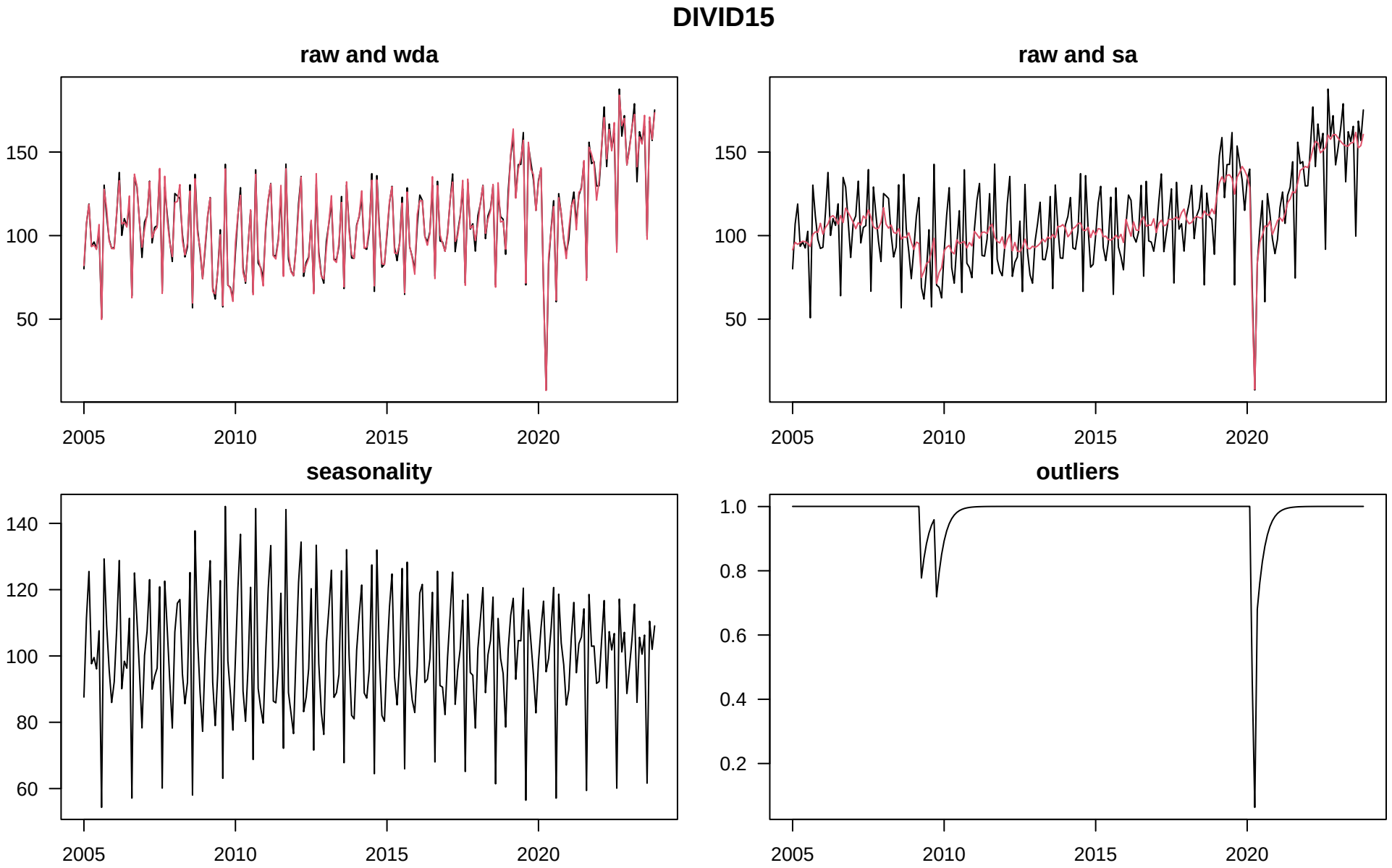
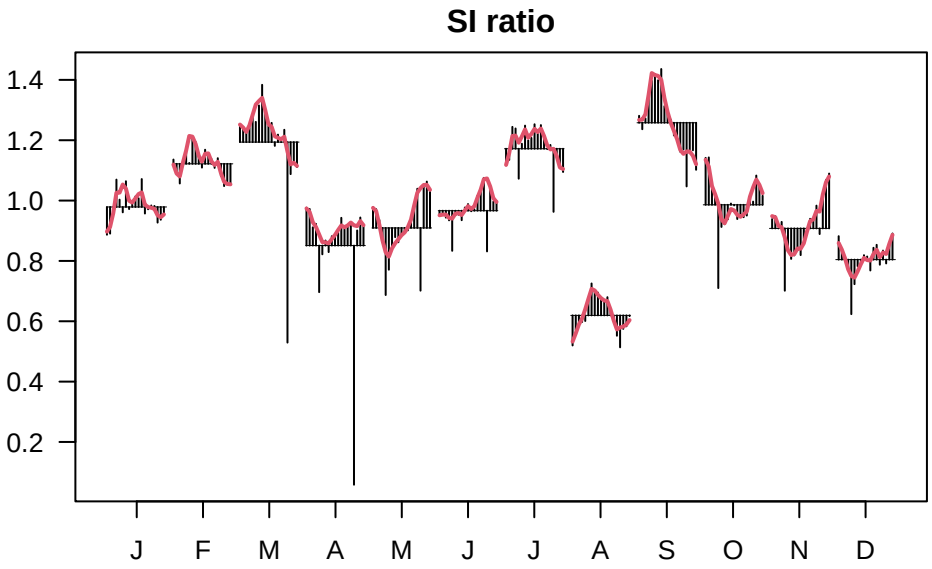
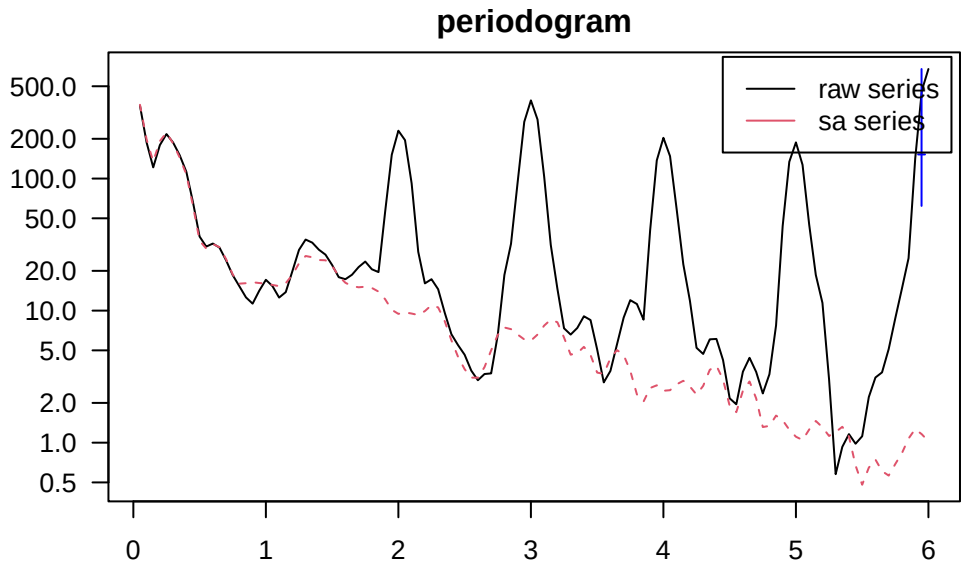
2023−08
2023−09
2023−10
2023−11


DIVID15
raw and wda
raw and sa
seasonality
outliers
150
100
50
140
120
80
60
1.0
0.8
0.6
0.4
0.2
2005
2010
2015
2020

DIVID15


SI ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
3
4
5
6

DIVID15

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
3
0
−3
−6
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
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2023−04
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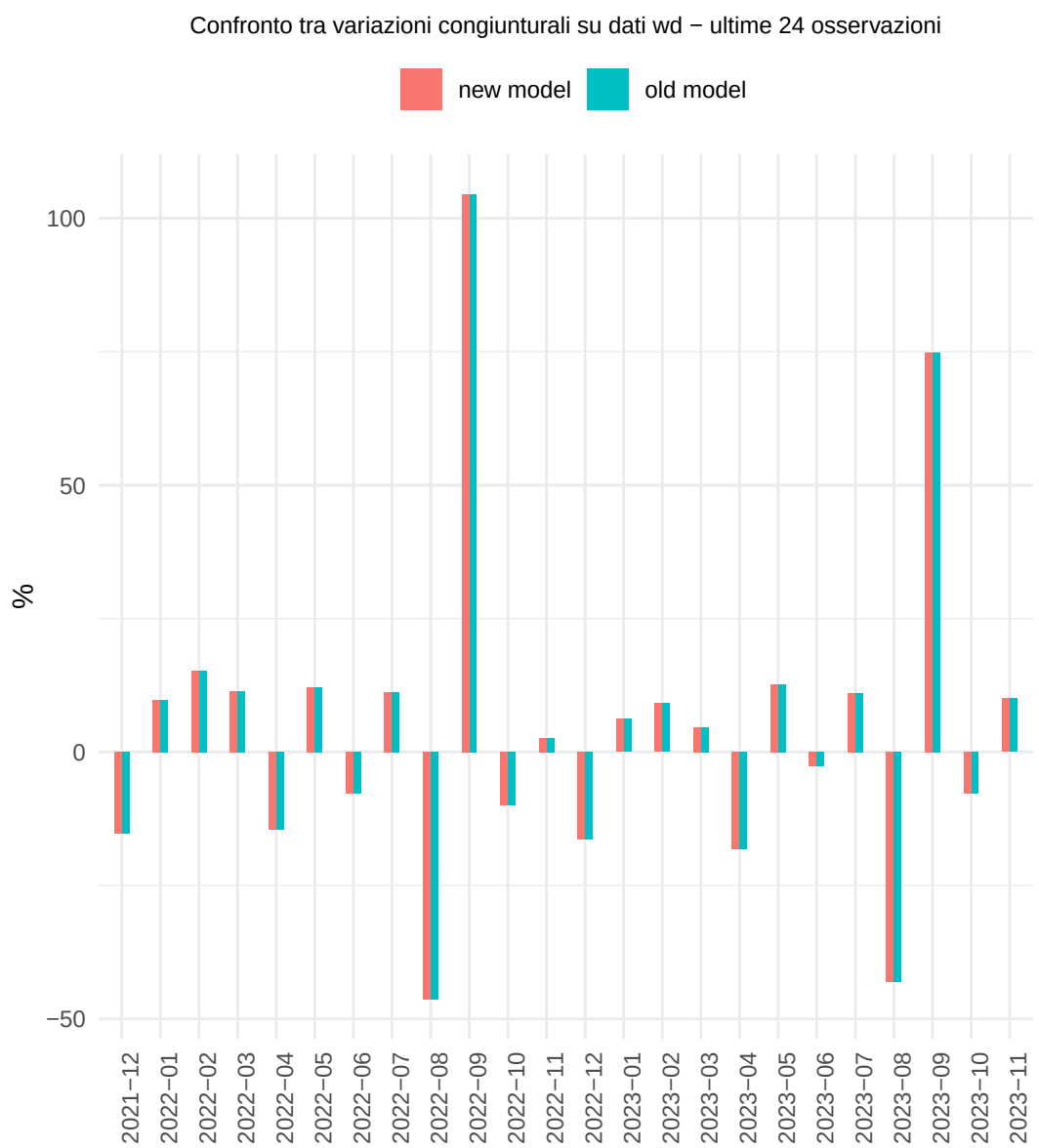
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
100
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
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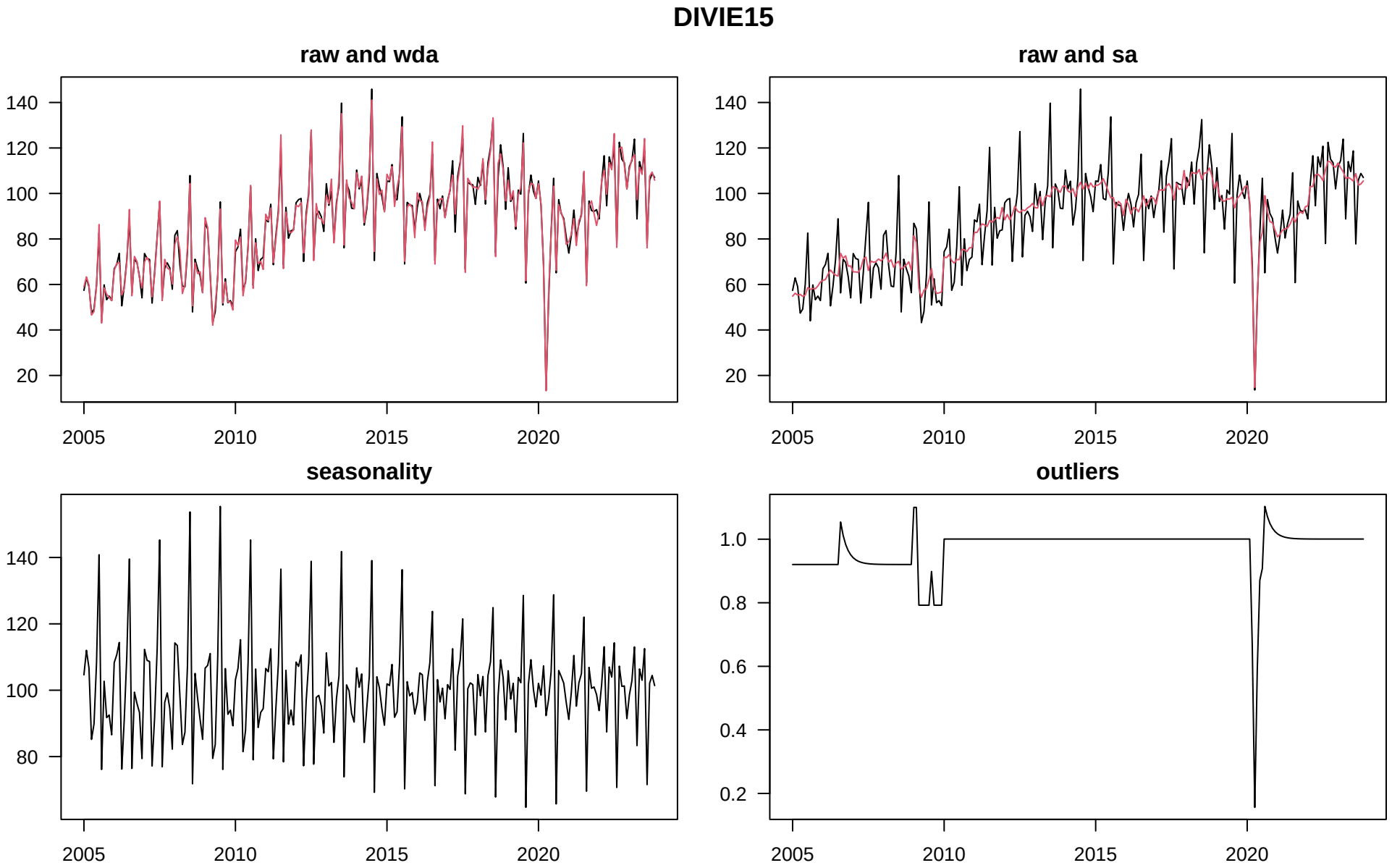
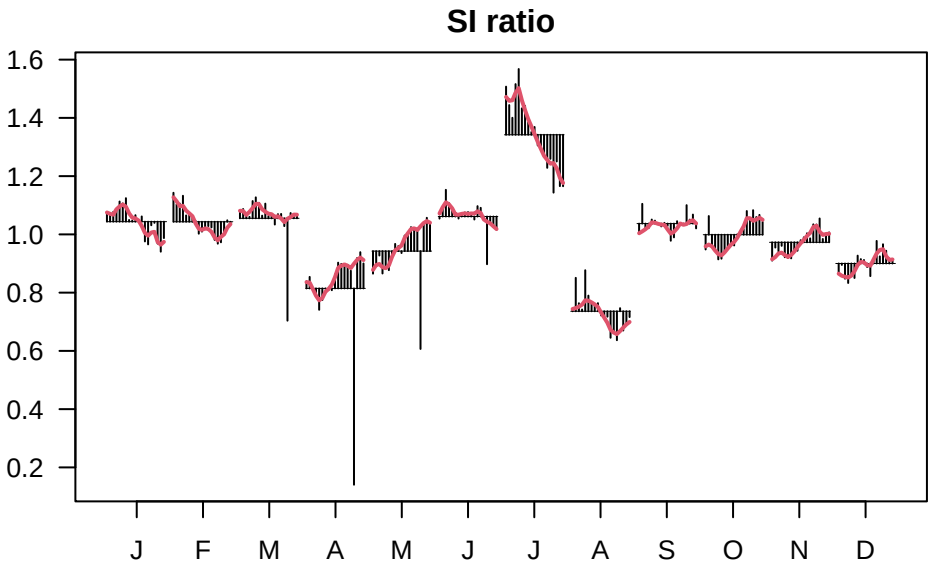
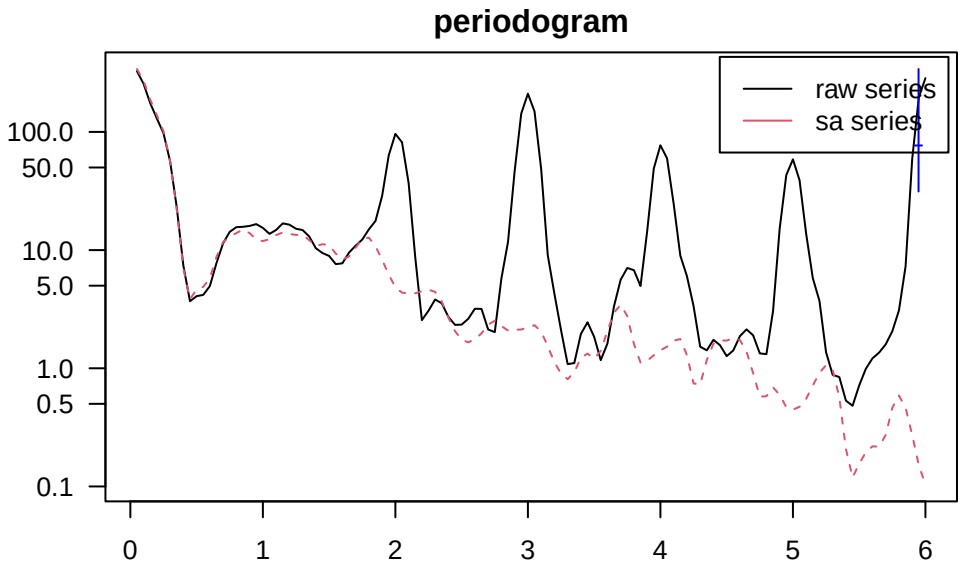
2023−10
2023−11


DIVIE15
raw and wda
raw and sa
seasonality
outliers
140
120
100
80
60
40
20
1.0
0.8
0.6
0.4
0.2
2005
2010
2015
2020

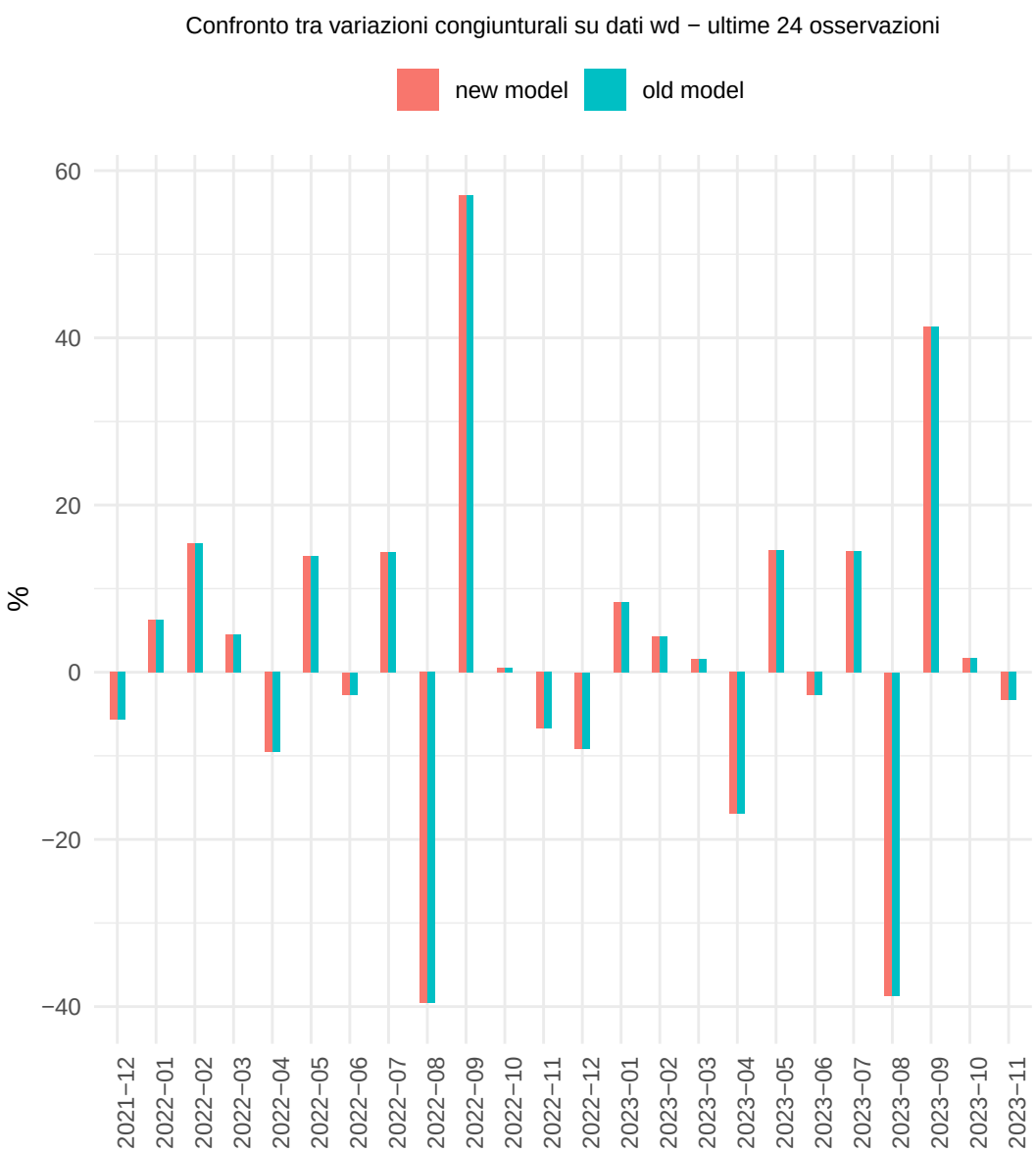
DIVIE15

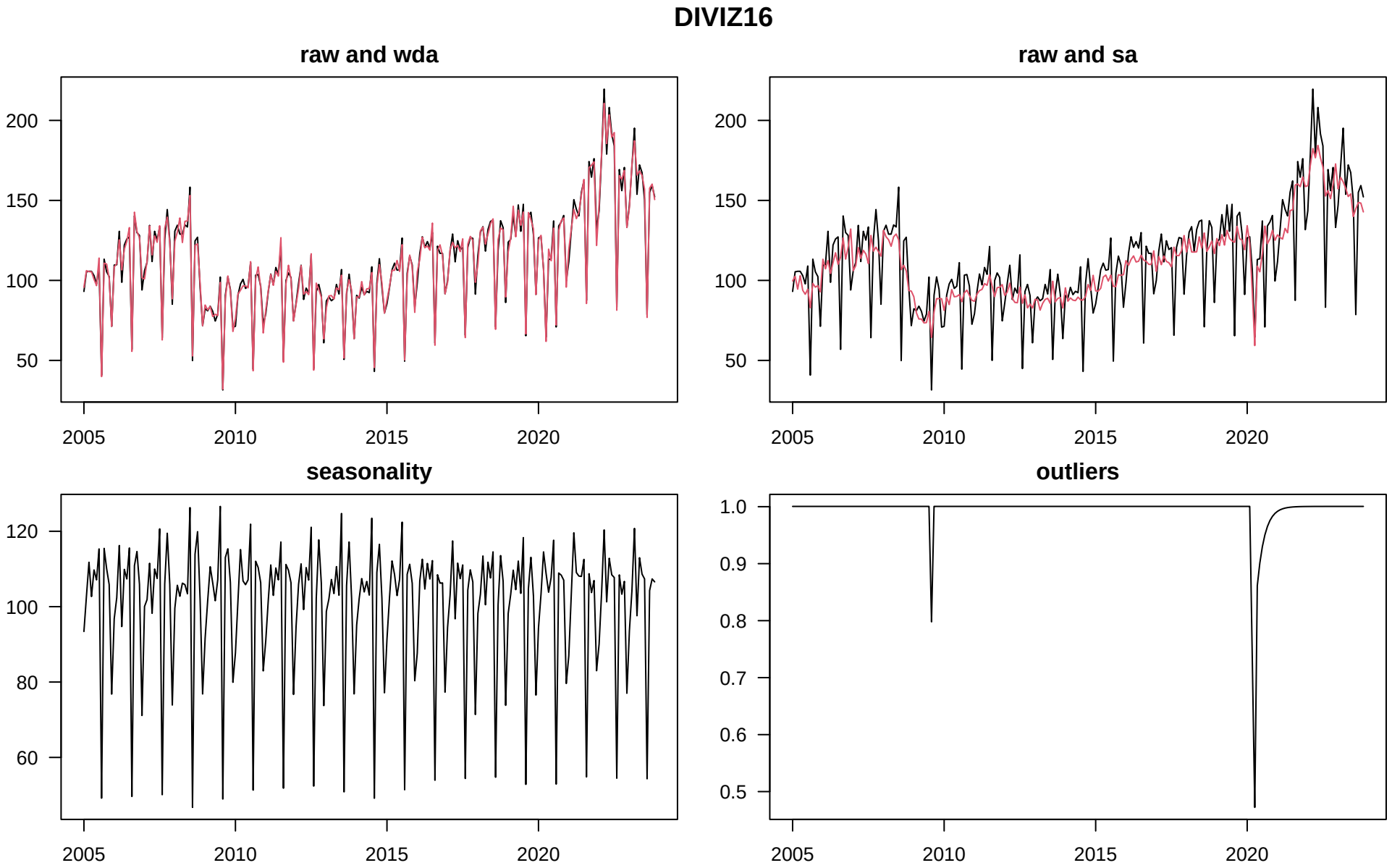

SI ratio
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
100.0
50.0
10.0
5.0
1.0
0.5
0.1
0
1
2
3
4
5
6

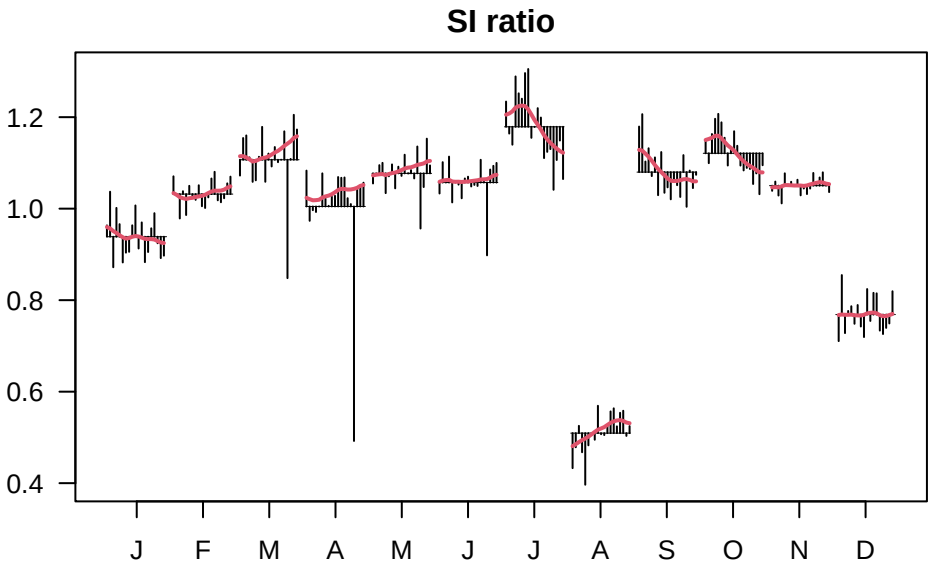
DIVIE15

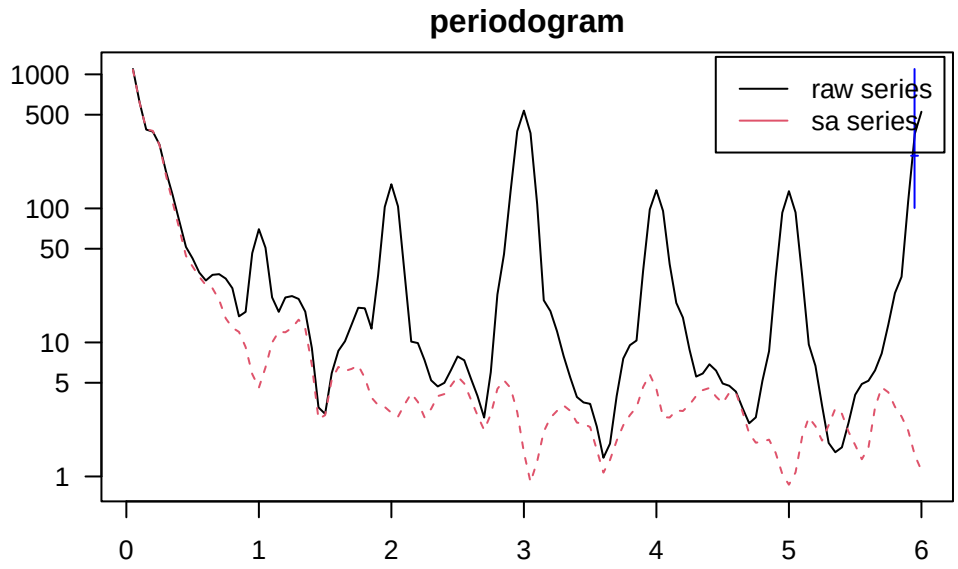
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
60
40
20
0
−20
−40
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIZ16
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
120
80
60
1.0
0.9
0.8
0.7
0.6
0.5
2005
2010
2015
2020

DIVIZ16

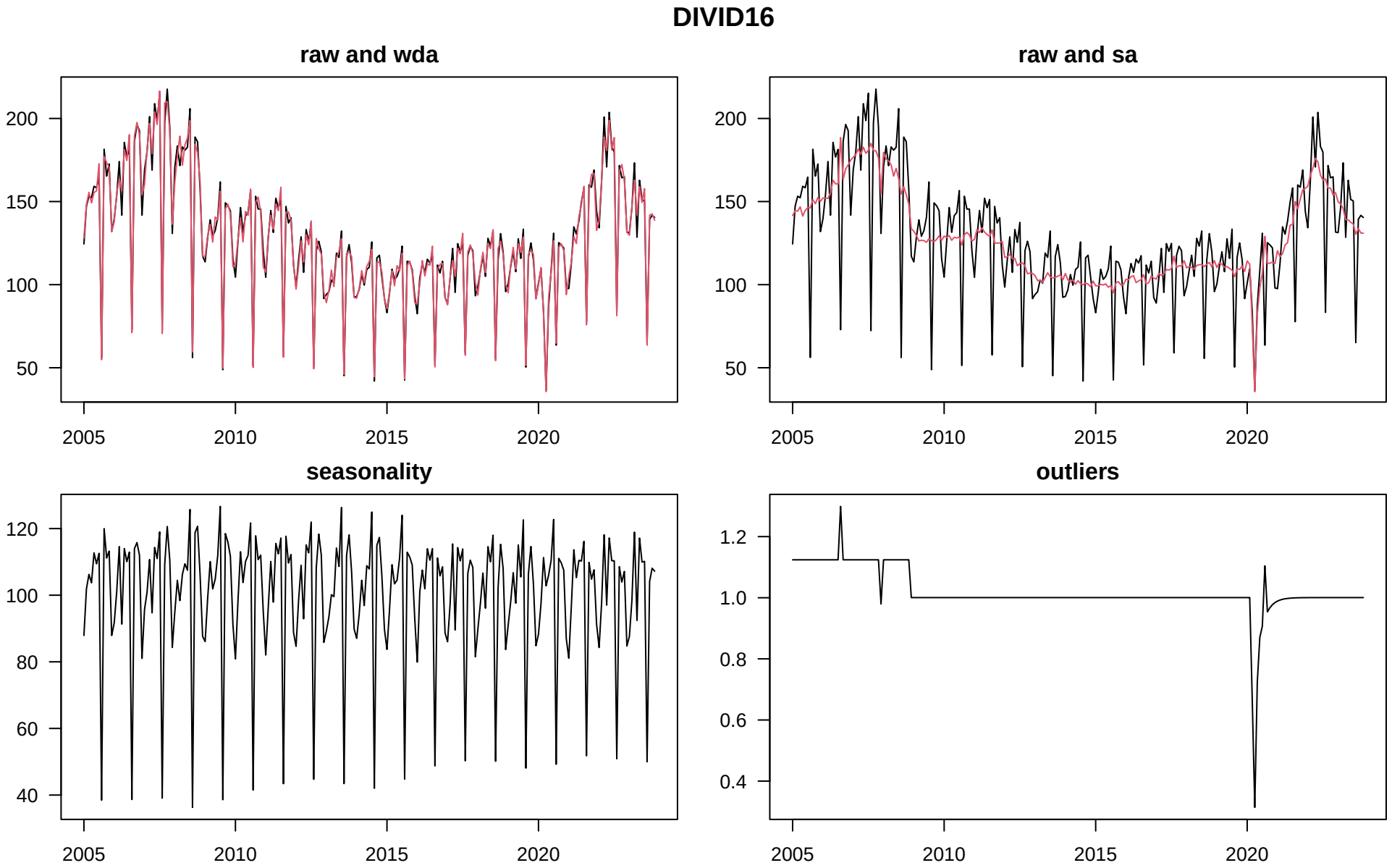

SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
1000
500
100
50
10
5
1
0
1
2
3
4
5
6
raw series
sa series

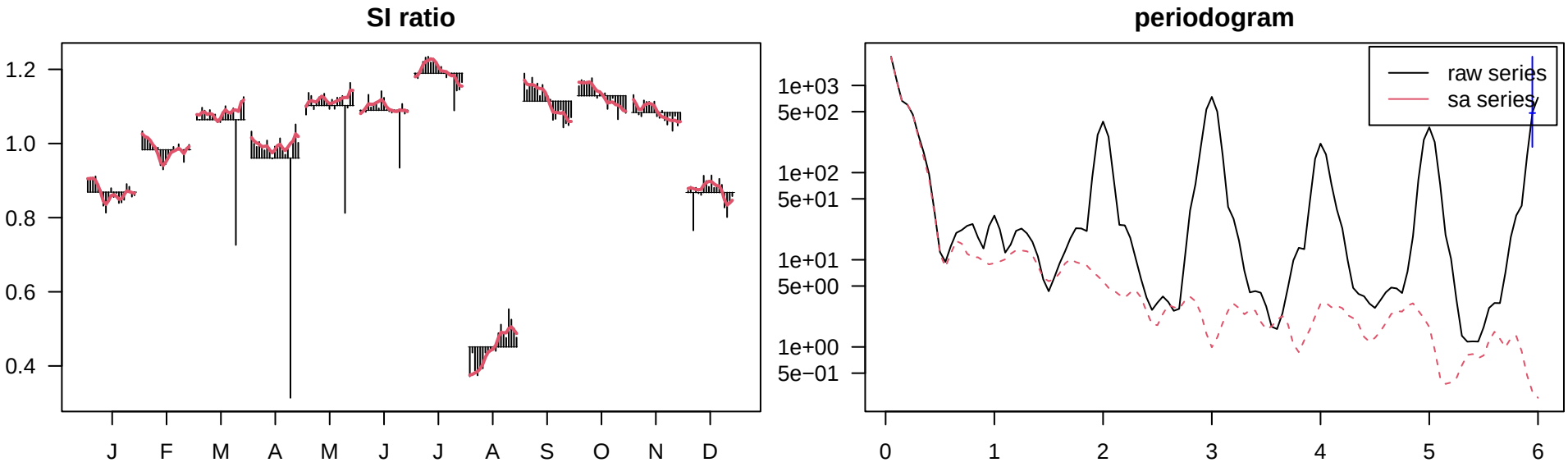
DIVIZ16

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
100
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVID16
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
120
80
60
40
1.2
1.0
0.8
0.6
0.4
2005
2010
2015
2020

DIVID16


SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
raw series
sa series
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
0
1
2
3
4
5
6

DIVID16

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2.5
0.0
−2.5
−5.0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
100
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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2023−06
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2023−08
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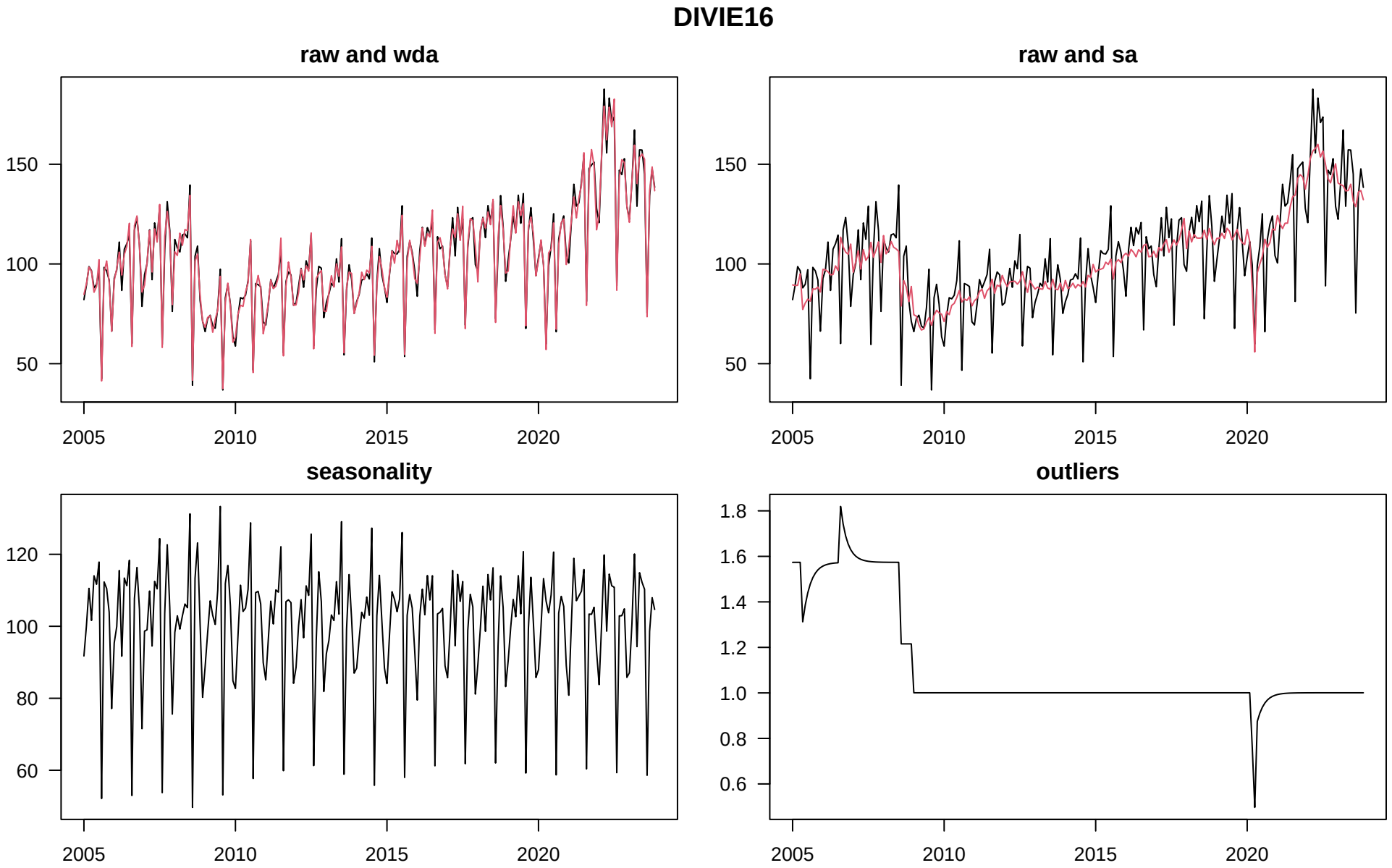
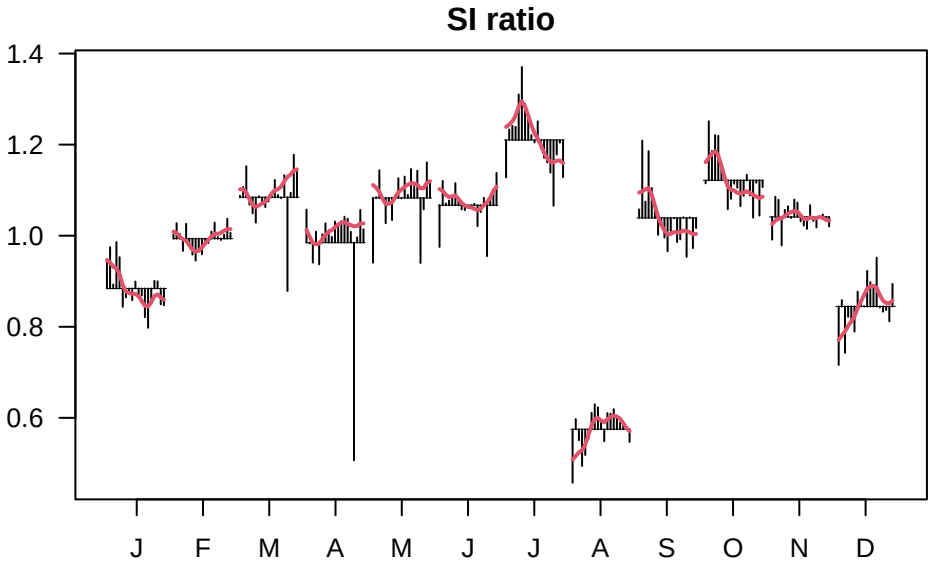
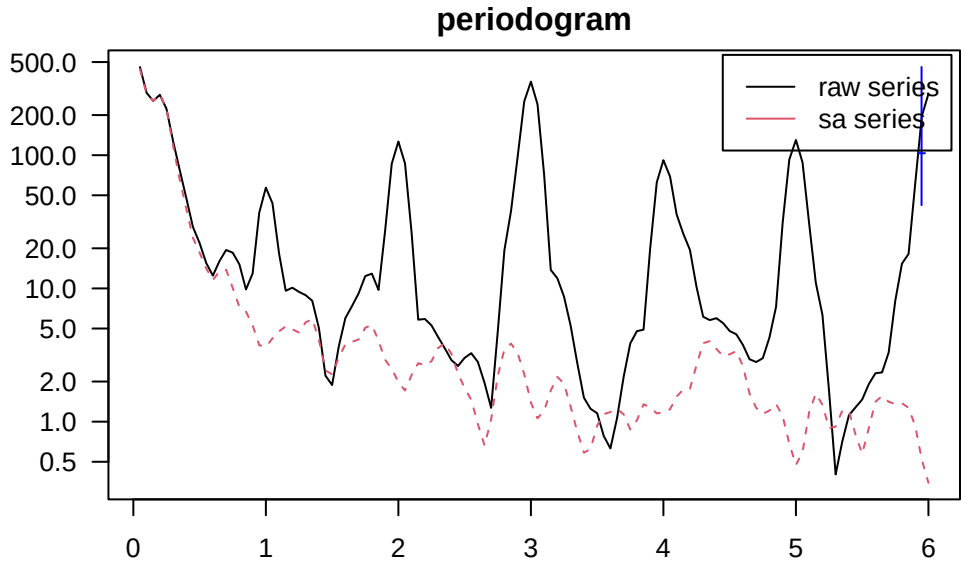
2023−10
2023−11

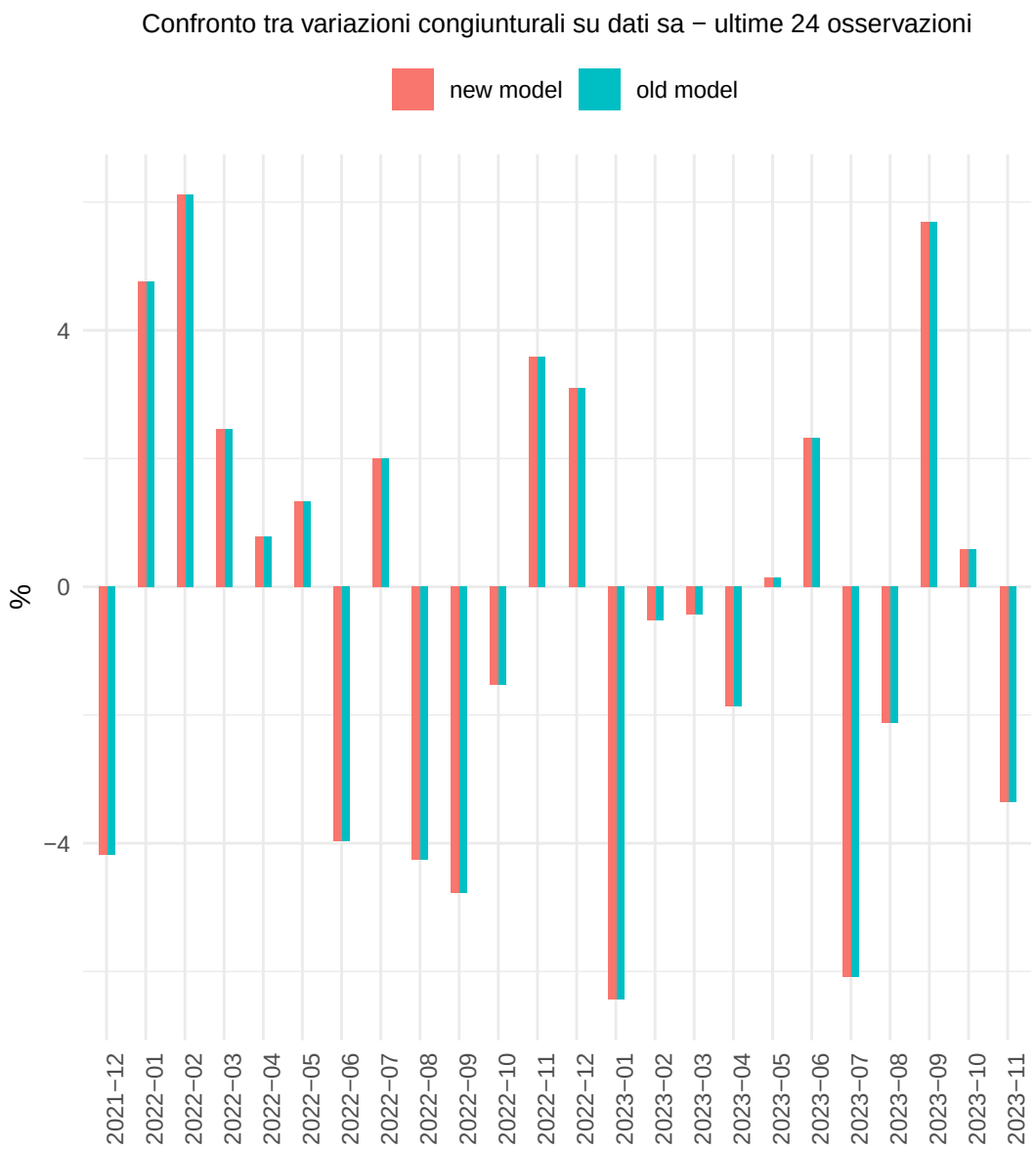

DIVIE16
raw and wda
raw and sa
seasonality
outliers
150
100
50
120
80
60
1.8
1.6
1.4
1.2
1.0
0.8
0.6
2005
2010
2015
2020

DIVIE16


SI ratio
1.4
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
raw series
sa series
0
1
2
3
4
5
6

DIVIE16


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
0
−4
2021−12
2022−01
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2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
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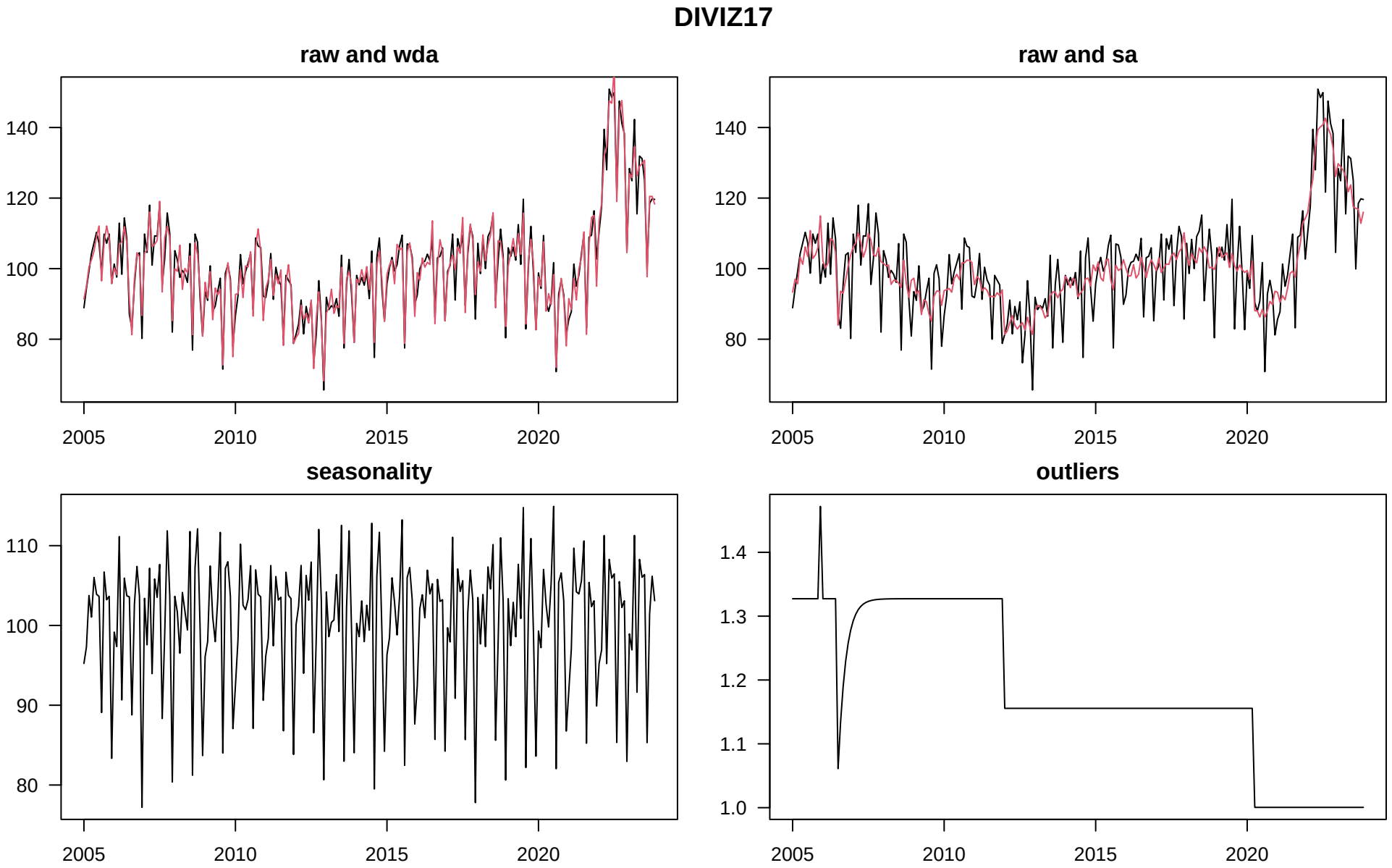
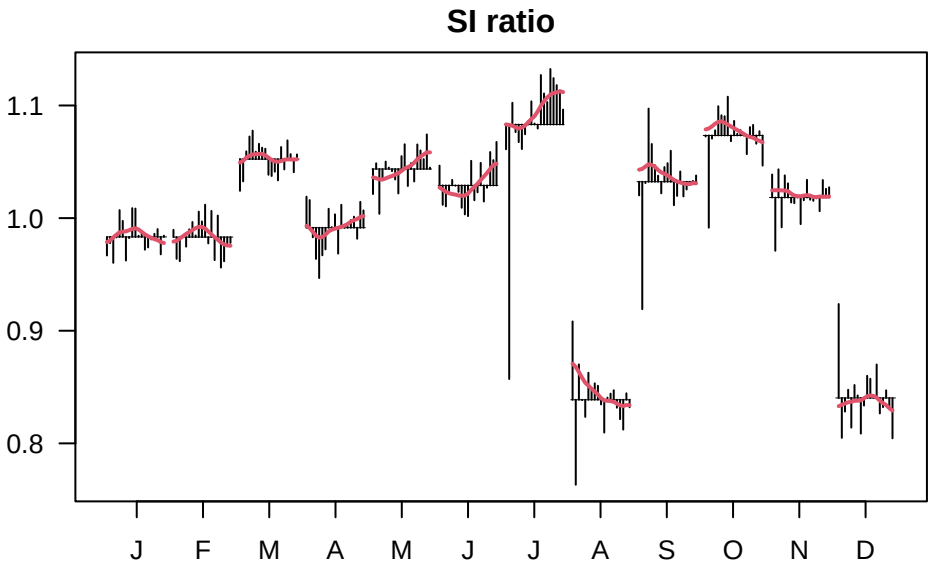
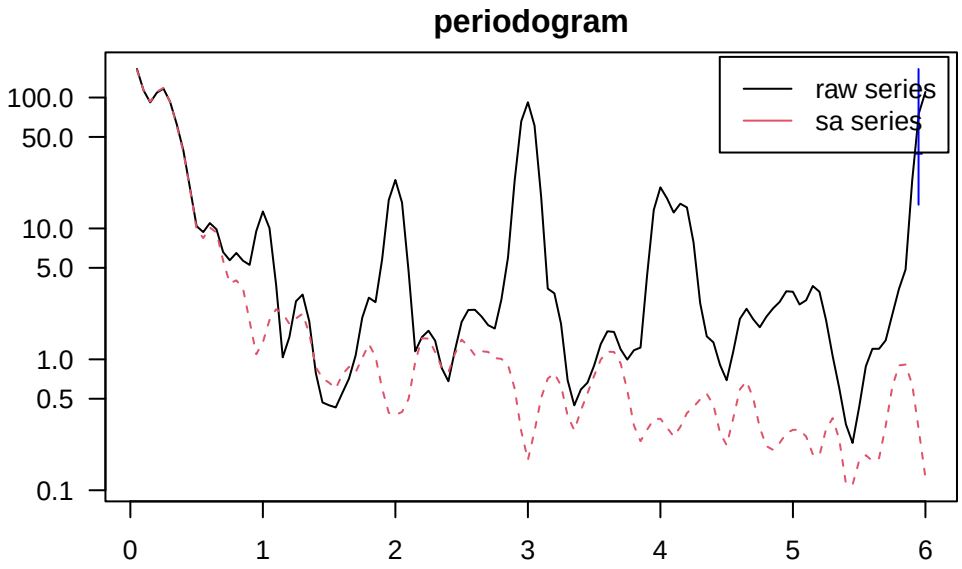
2023−11


DIVIZ17
raw and wda
raw and sa
seasonality
outliers
140
120
100
80
110
90
1.4
1.3
1.2
1.1
1.0
2005
2010
2015
2020

DIVIZ17


SI ratio
1.1
1.0
0.9
0.8
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
100.0
50.0
10.0
5.0
1.0
0.5
0.1
0
1
2
3
4
5
6

DIVIZ17

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
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2022−06
2022−07
2022−08
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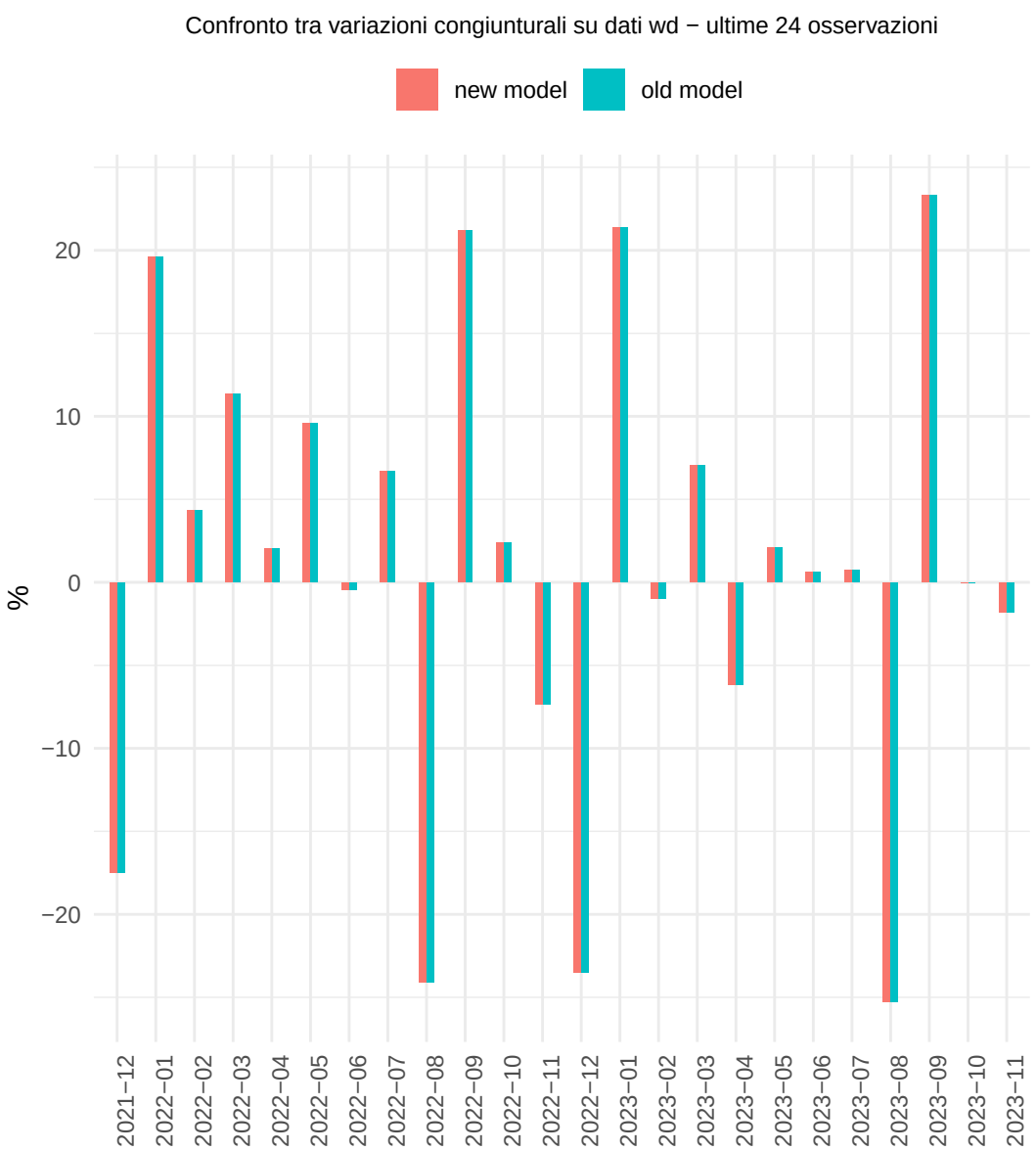
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
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2021−12
2022−01
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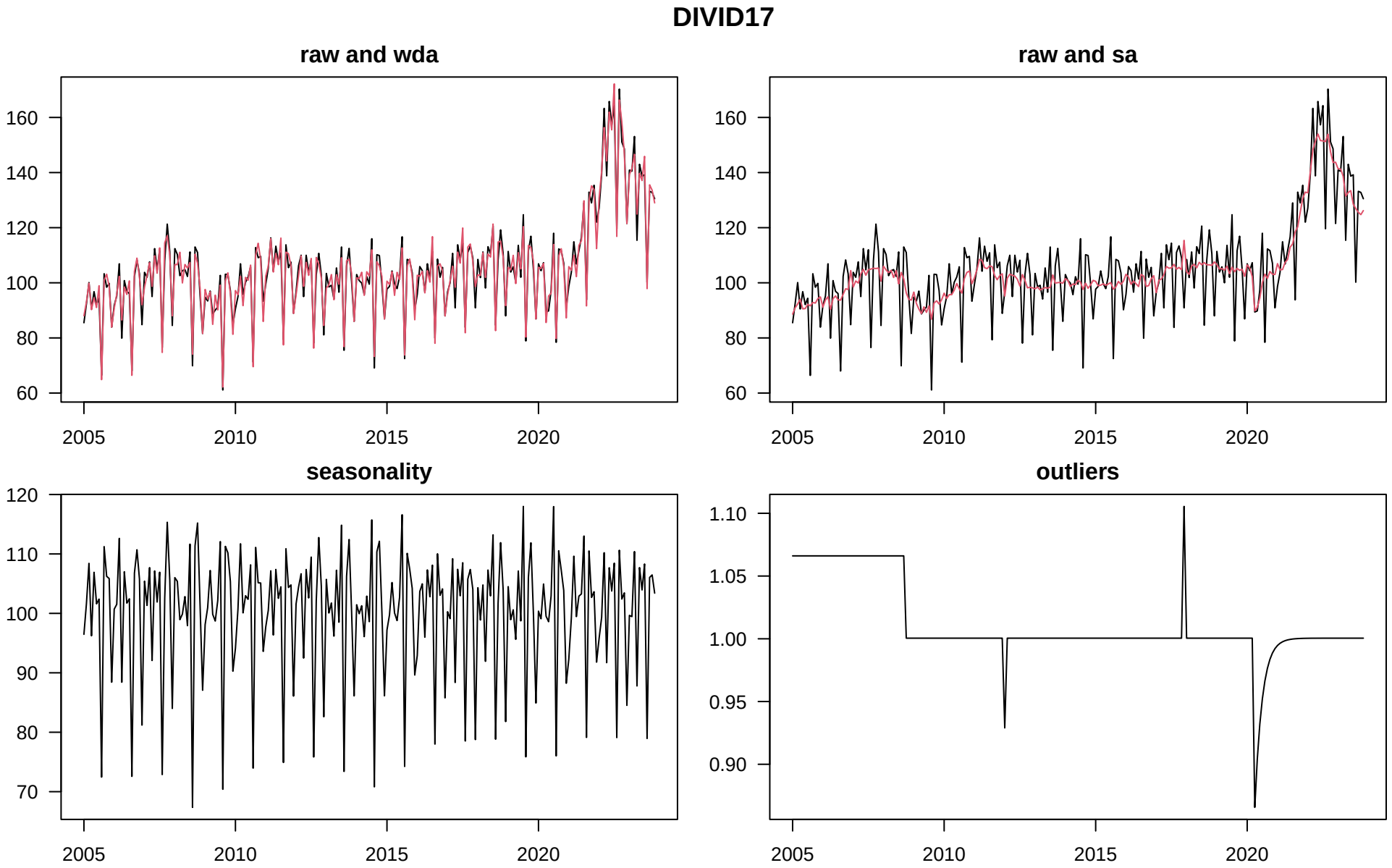
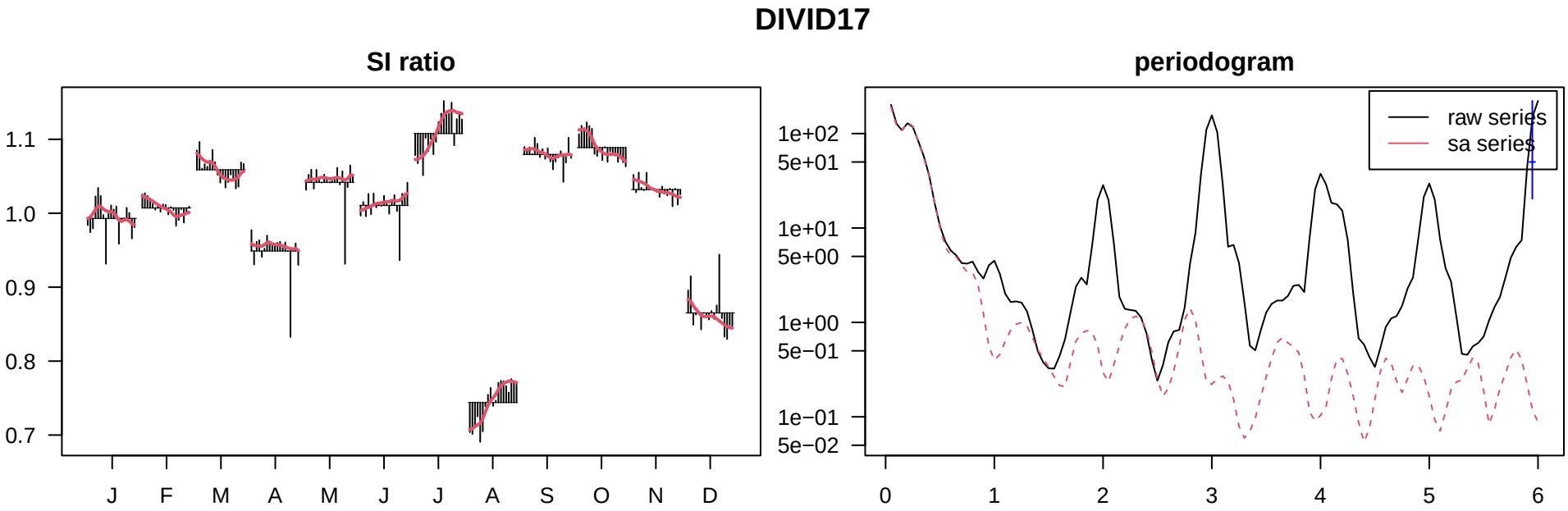

DIVID17
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
110
90
70
1.10
1.05
1.00
0.95
0.90
2005
2010
2015
2020


DIVID17
SI ratio
1.1
1.0
0.9
0.8
0.7
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
raw series
sa series
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6

DIVID17

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
6
3
0
−3
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
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2022−09
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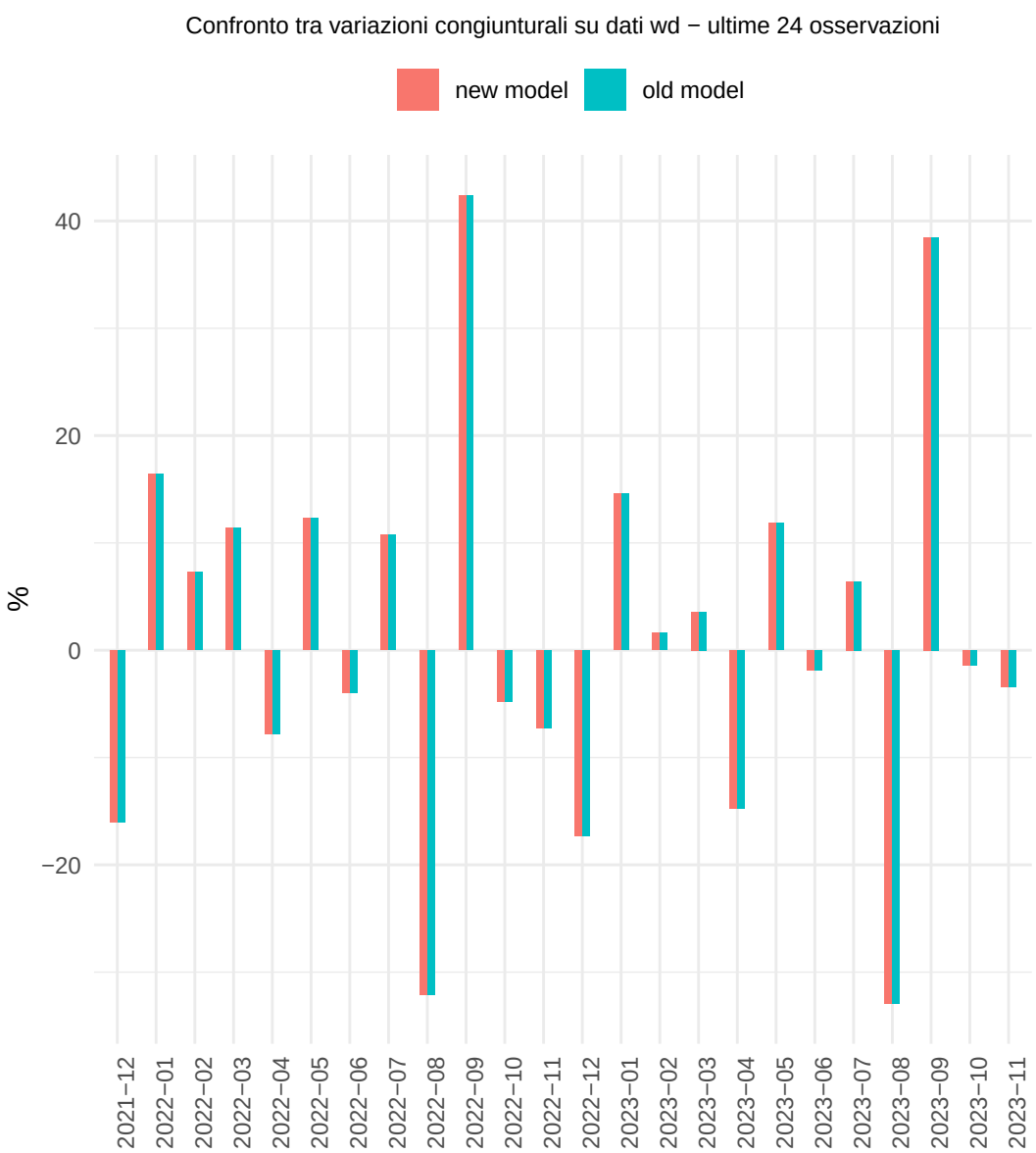
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
2021−12
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2022−02
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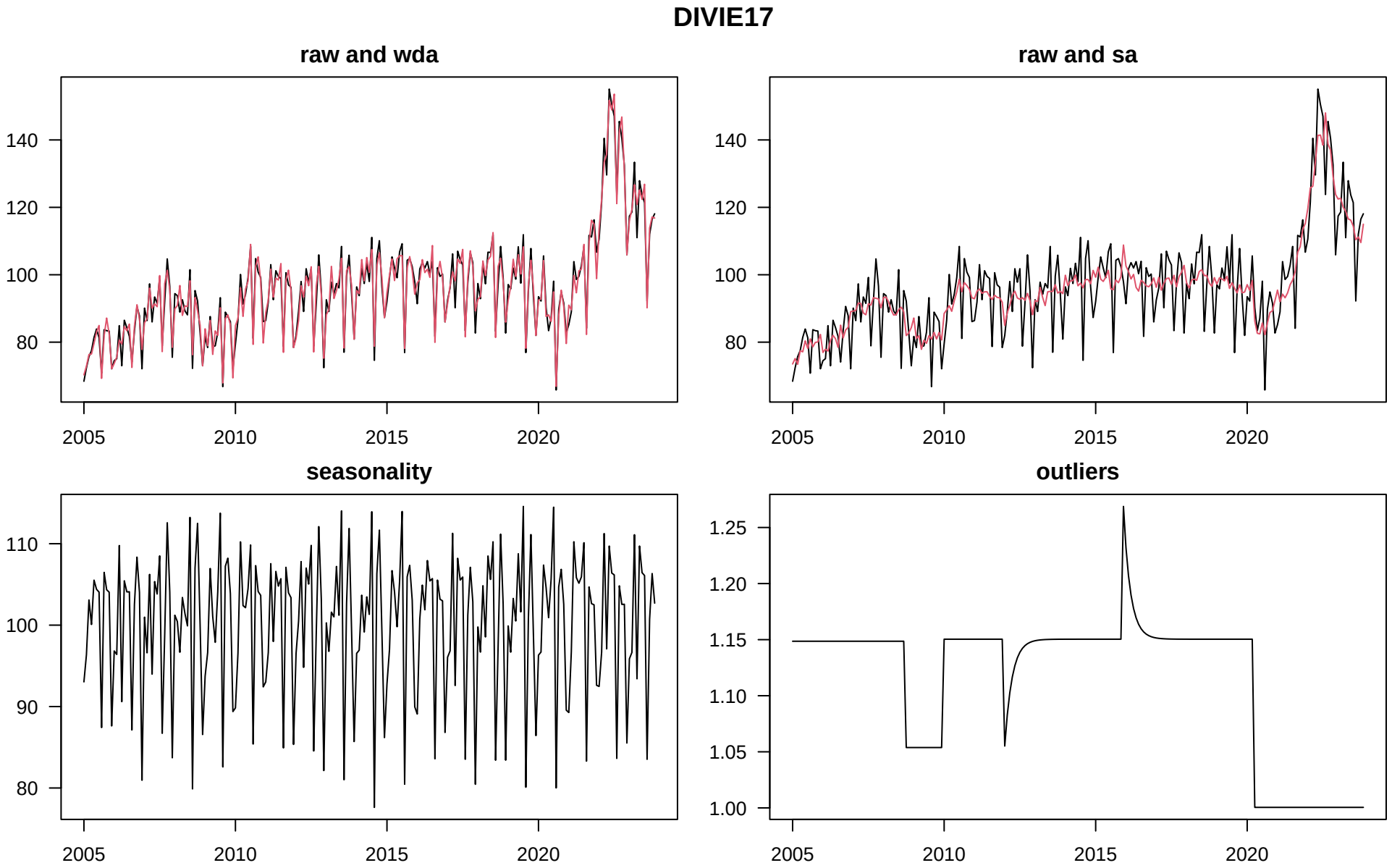
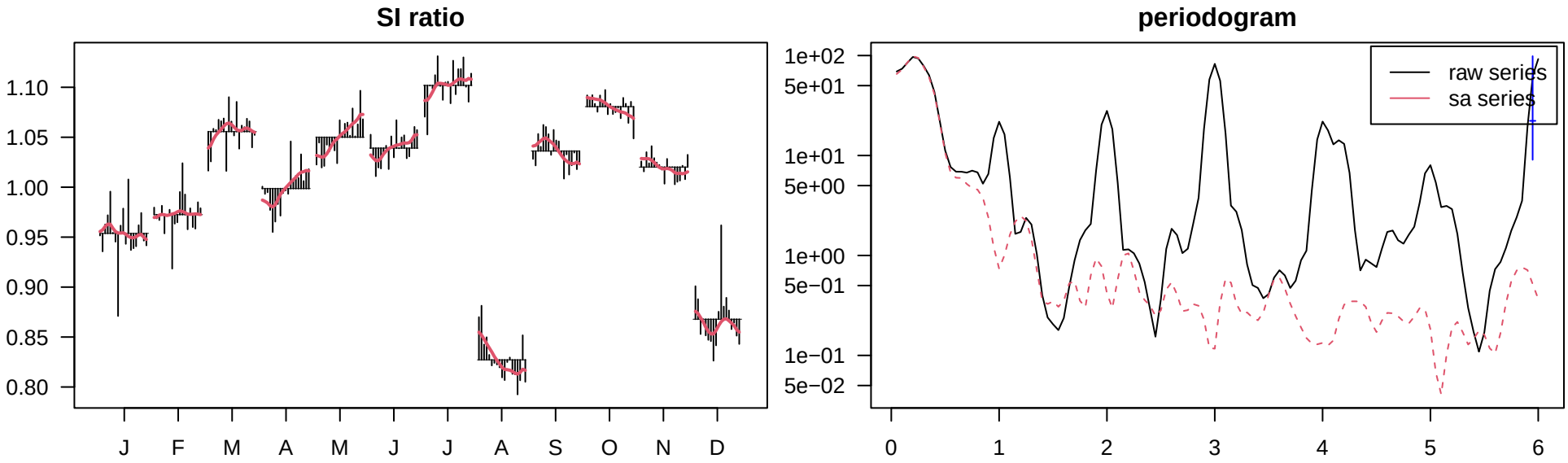

DIVIE17
raw and wda
raw and sa
seasonality
outliers
140
120
100
80
110
90
1.25
1.20
1.15
1.10
1.05
1.00
2005
2010
2015
2020

DIVIE17


SI ratio
1.10
1.05
1.00
0.95
0.90
0.85
0.80
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6
raw series
sa series

DIVIE17

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
0
−4
2021−12
2022−01
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2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
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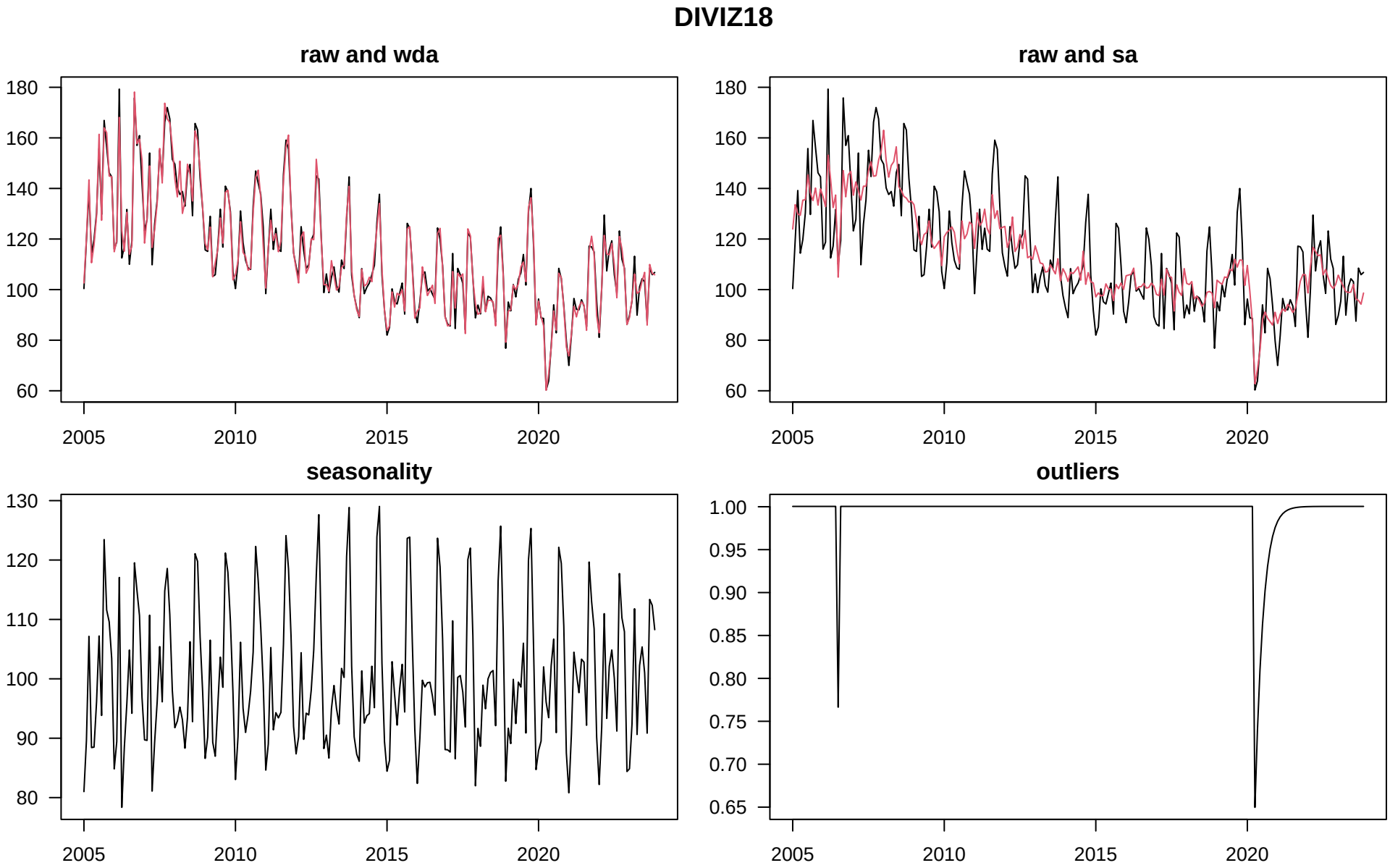
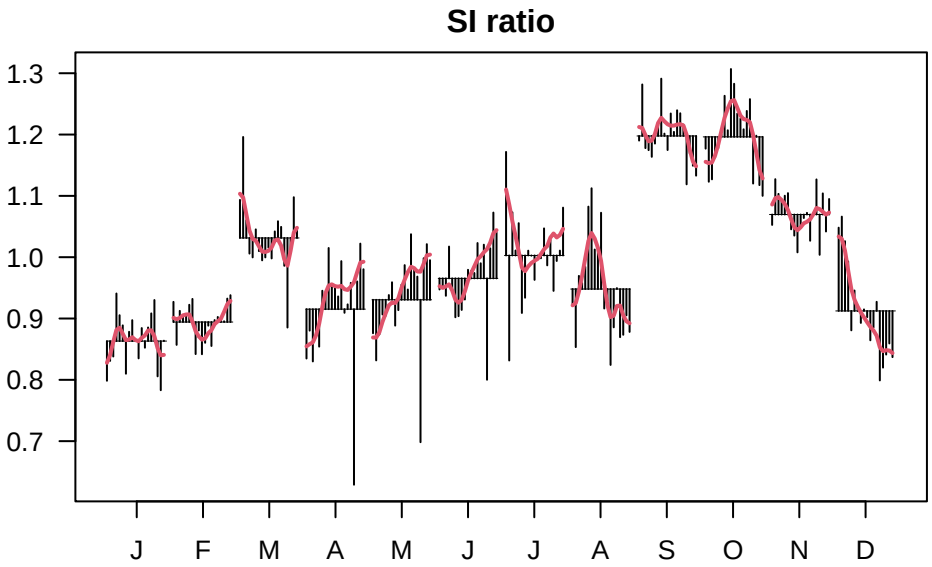

DIVIZ18
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
130
110
90
1.00
0.95
0.90
0.85
0.80
0.75
0.70
0.65
2005
2010
2015
2020

DIVIZ18


SI ratio
1.3
1.2
1.1
1.0
0.9
0.8
0.7
J
F
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J
J
A
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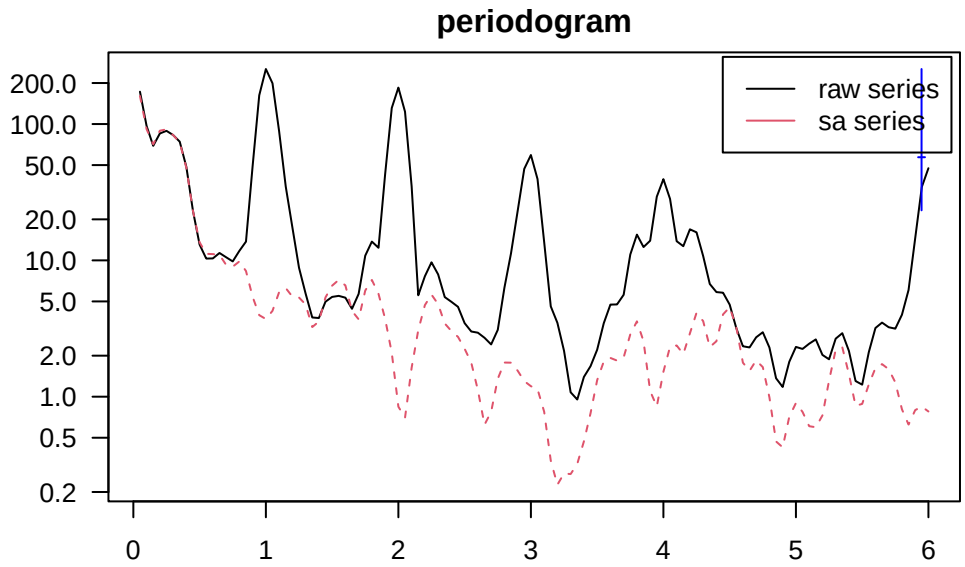
N
D


periodogram
raw series
sa series
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
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1
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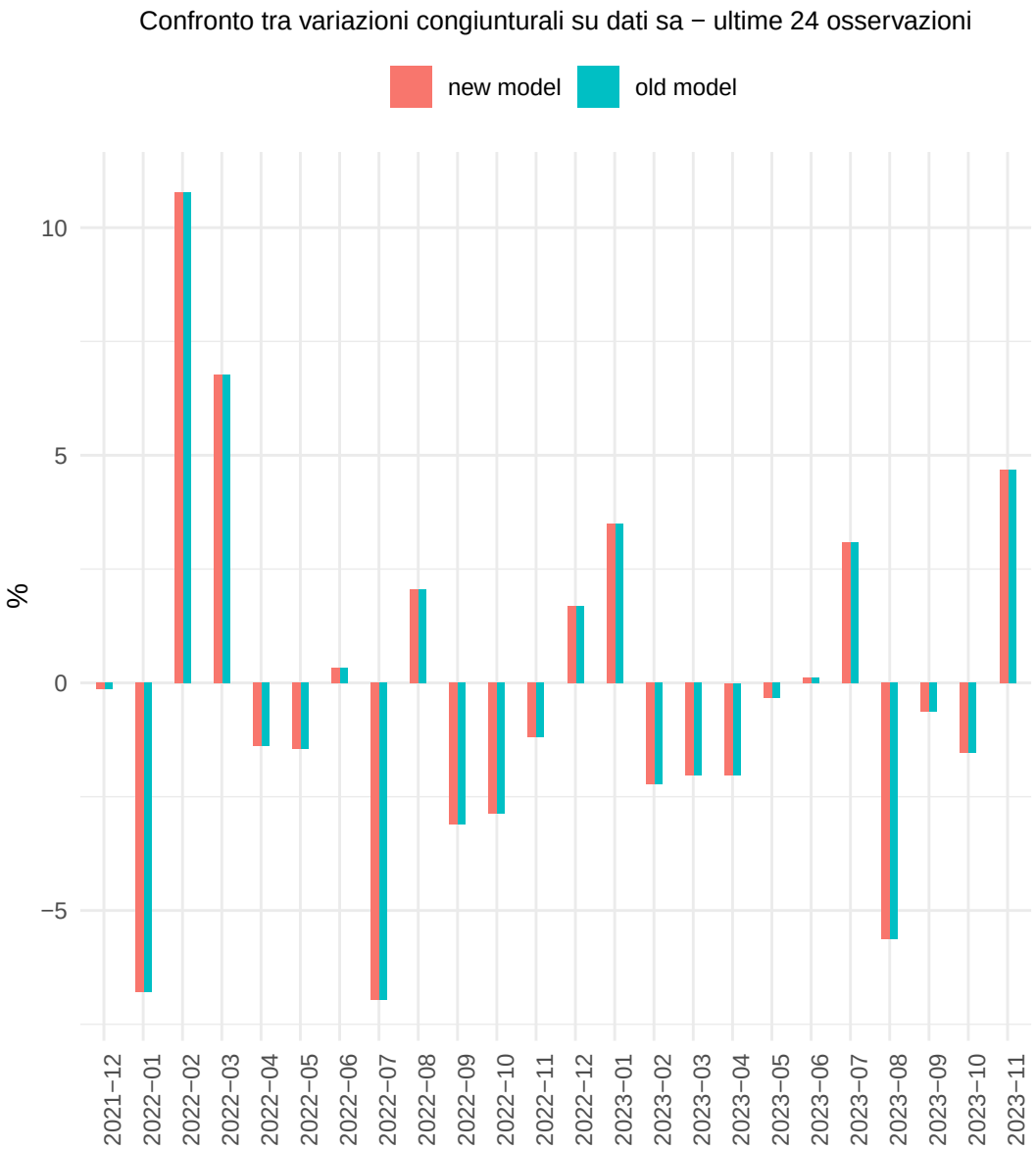
6

DIVIZ18


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
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Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
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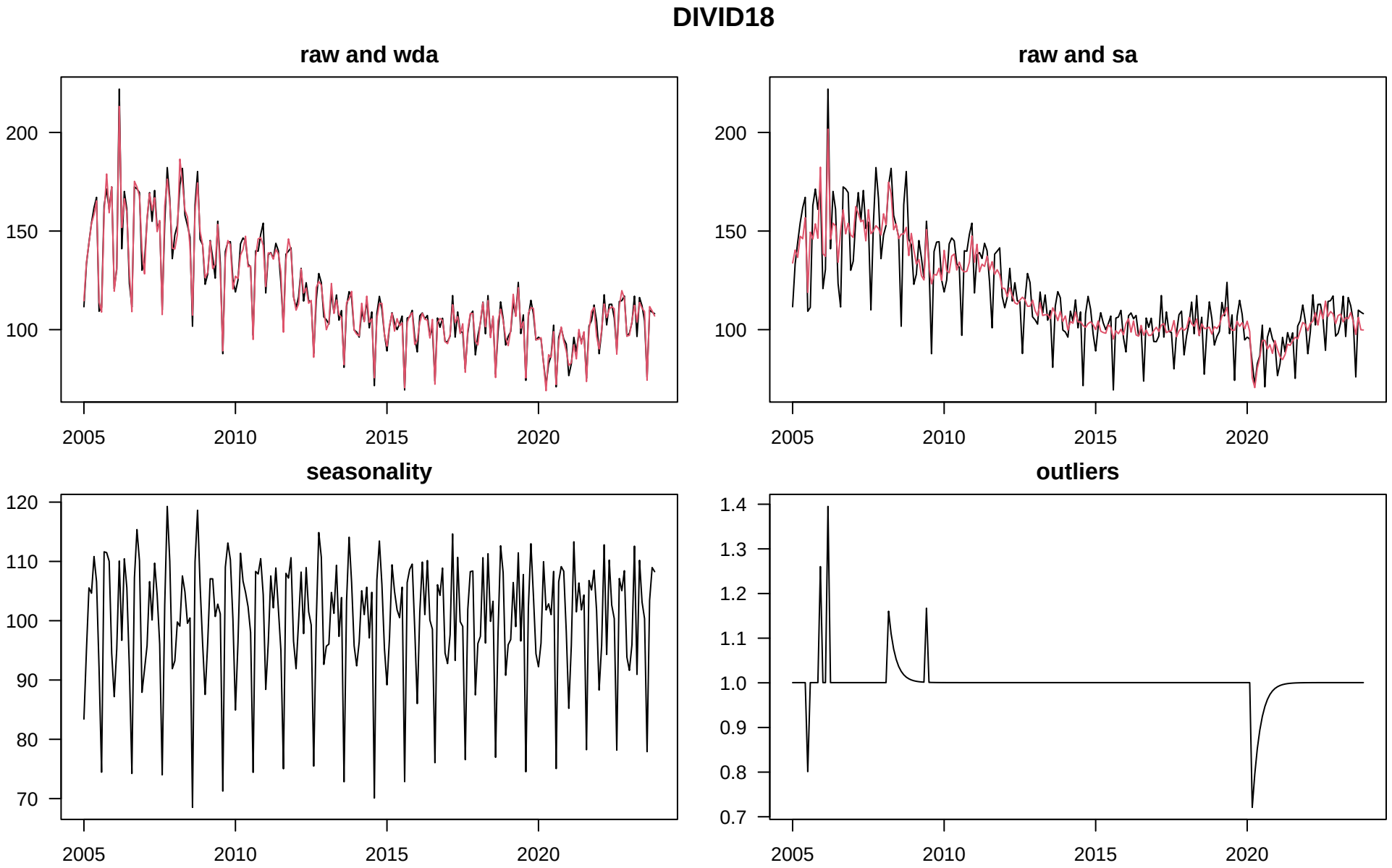
DIVID18
raw and wda
raw and sa
seasonality
outliers
200
150
100
120
110
90
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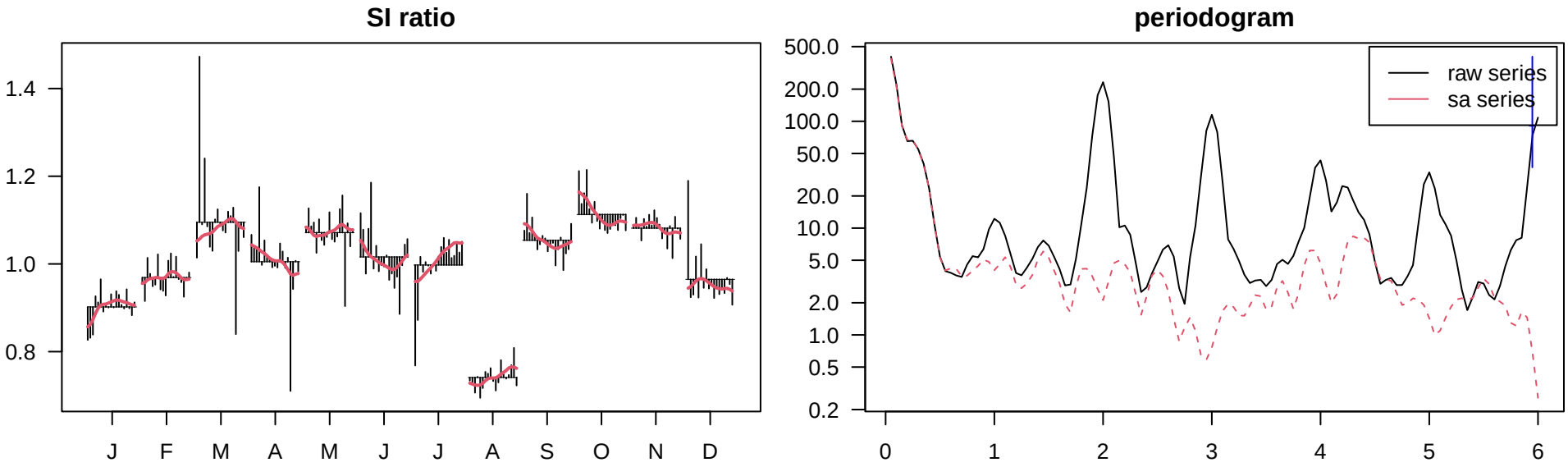
70
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
2005
2010
2015
2020

DIVID18


SI ratio
1.4
1.2
1.0
0.8
J
F
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A
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J
J
A
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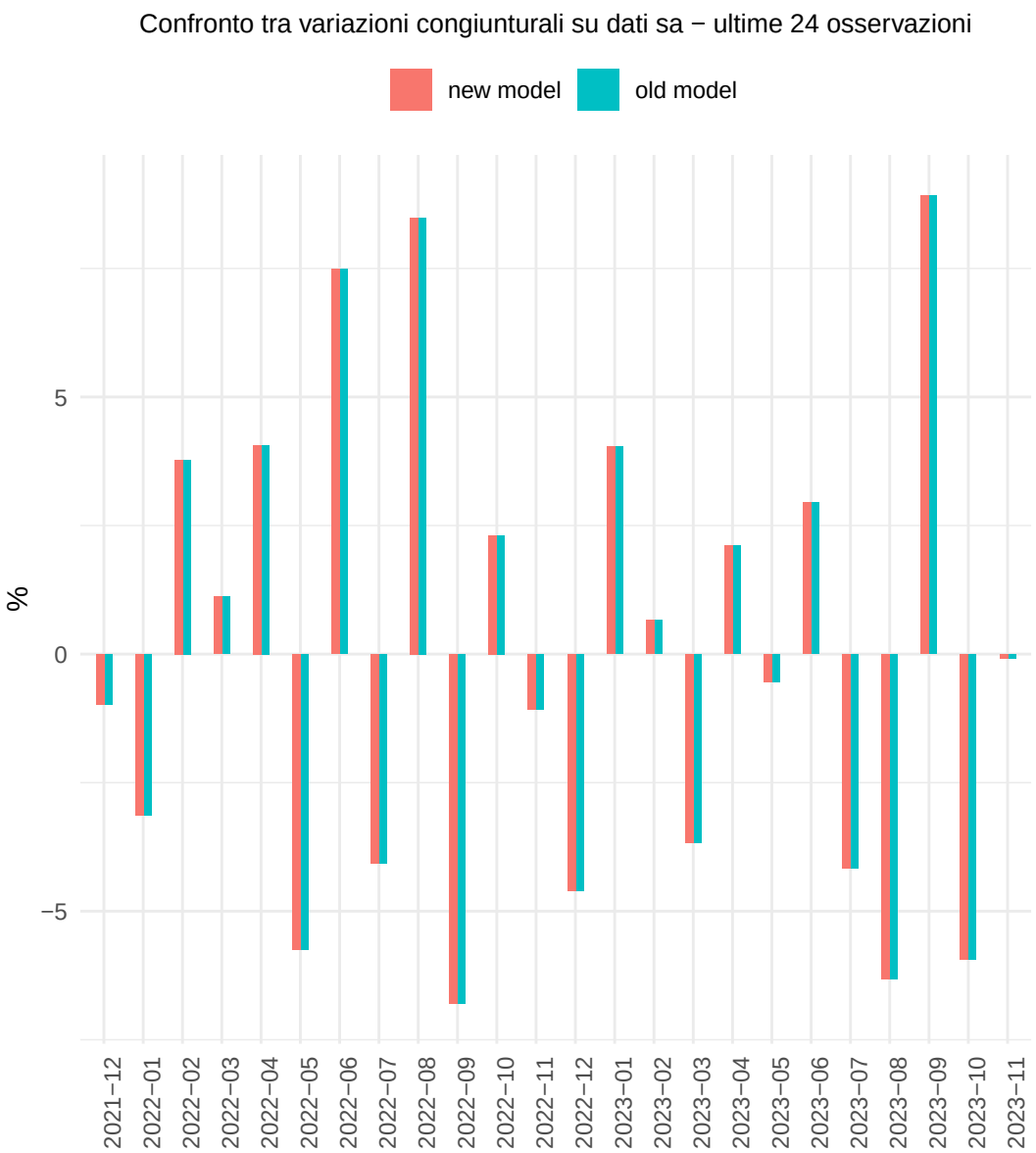
D
periodogram
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6
raw series
sa series

DIVID18


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
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2021−12
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Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
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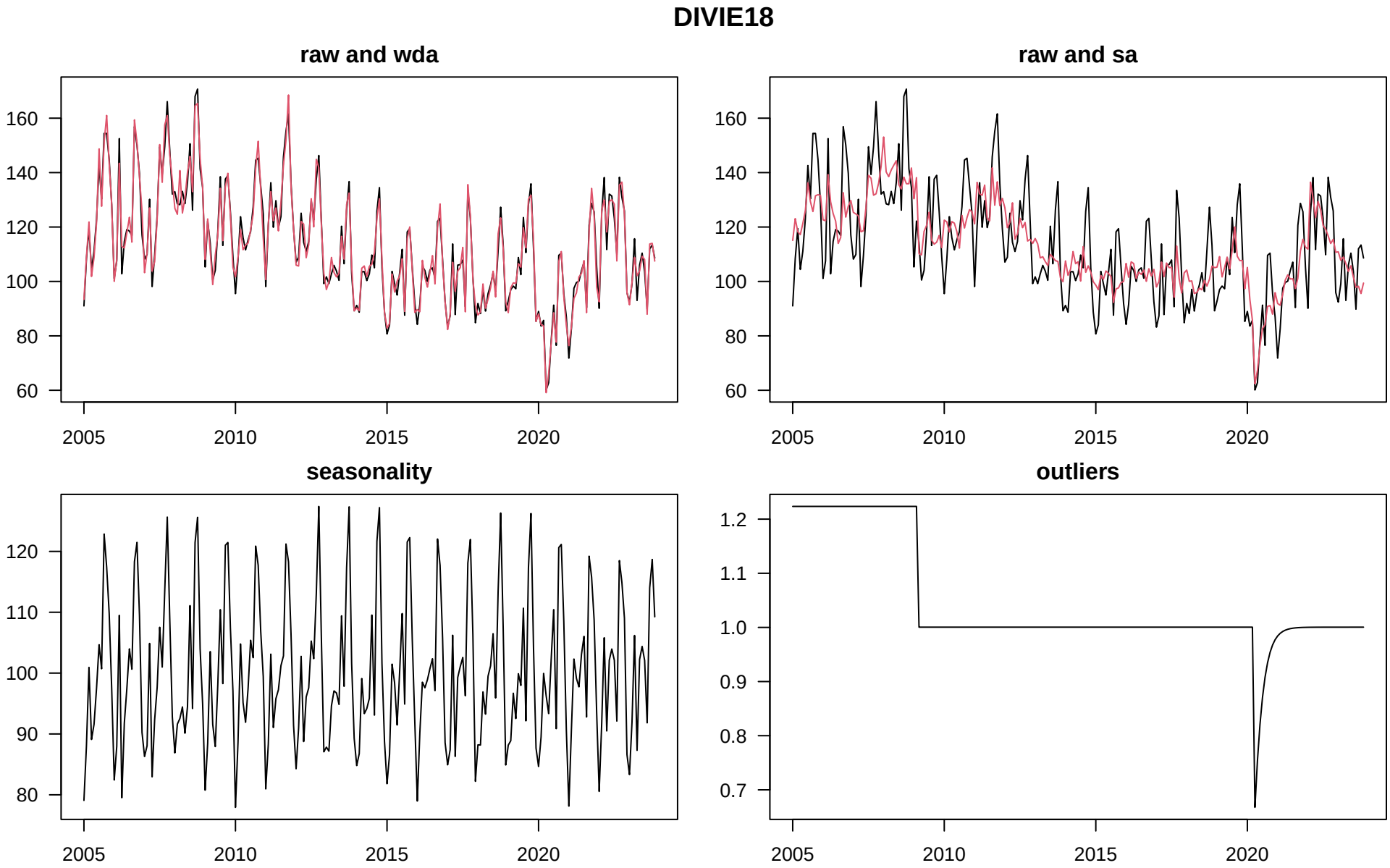
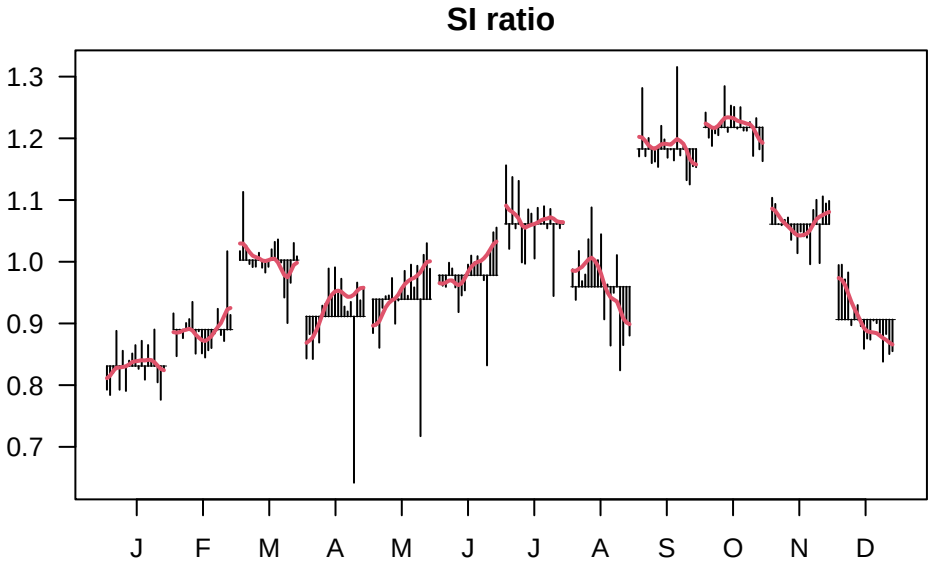

DIVIE18
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
120
110
100
90
80
1.2
1.1
1.0
0.9
0.8
0.7
2005
2010
2015
2020

DIVIE18


SI ratio
1.3
1.2
1.1
1.0
0.9
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J
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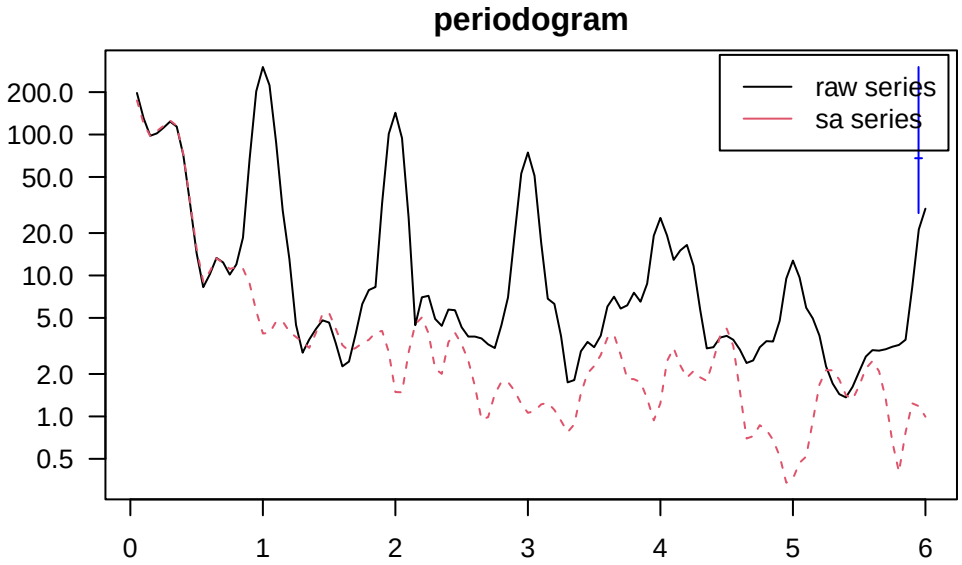
periodogram
raw series
sa series
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
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1
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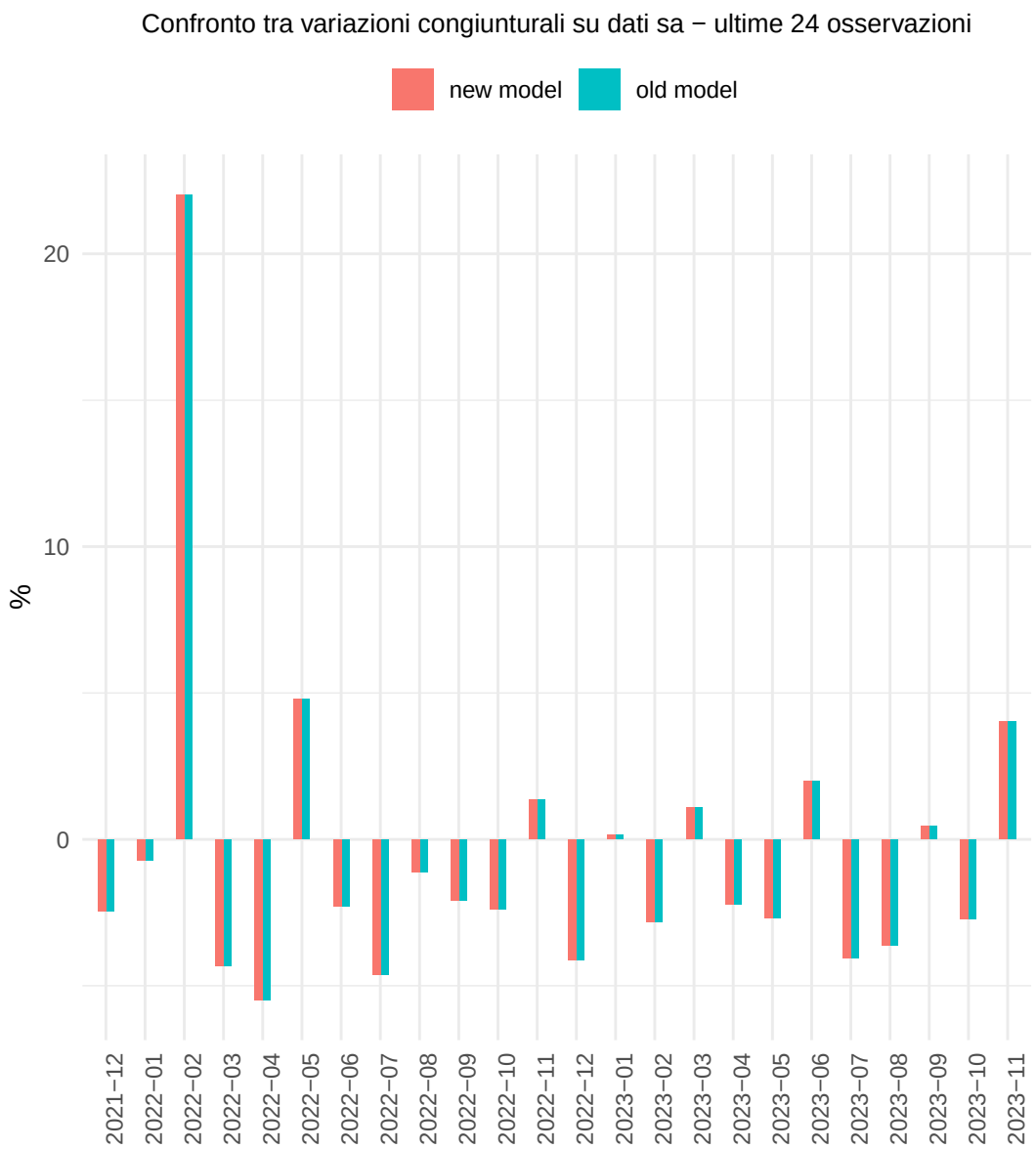
6

DIVIE18


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
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2021−12
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Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
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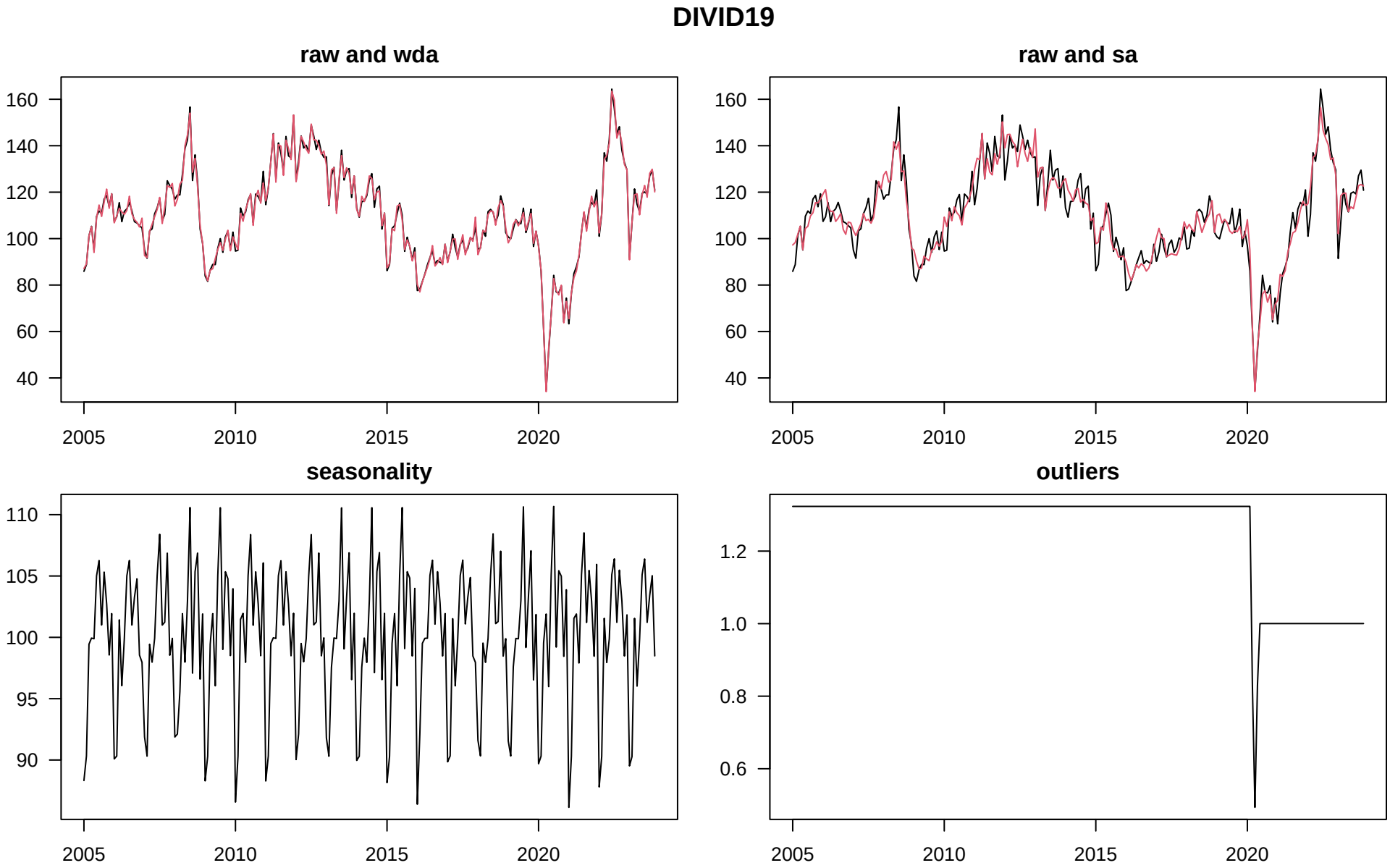
DIVID19
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
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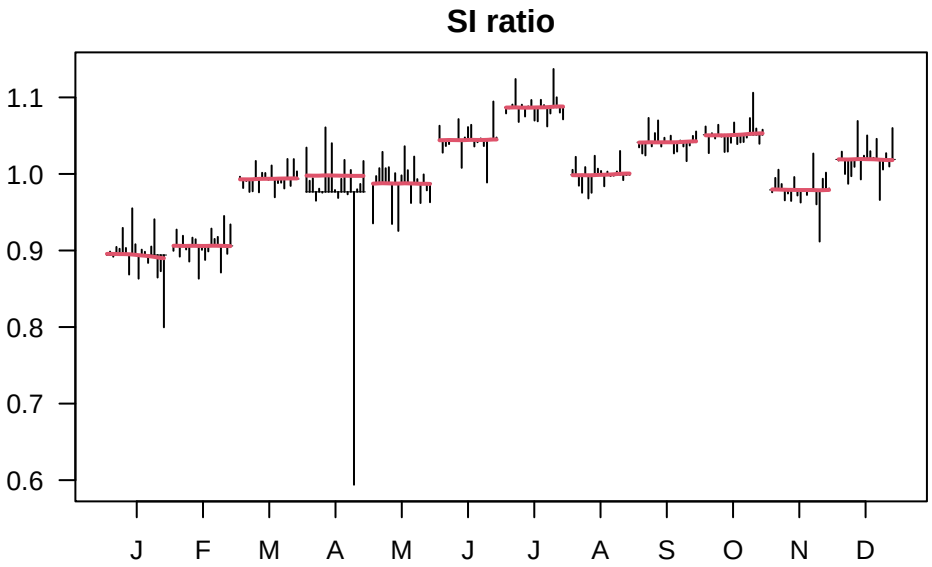
100
95
90
1.2
1.0
0.8
0.6
2005
2010
2015
2020

DIVID19


SI ratio
1.1
1.0
0.9
0.8
0.7
0.6
J
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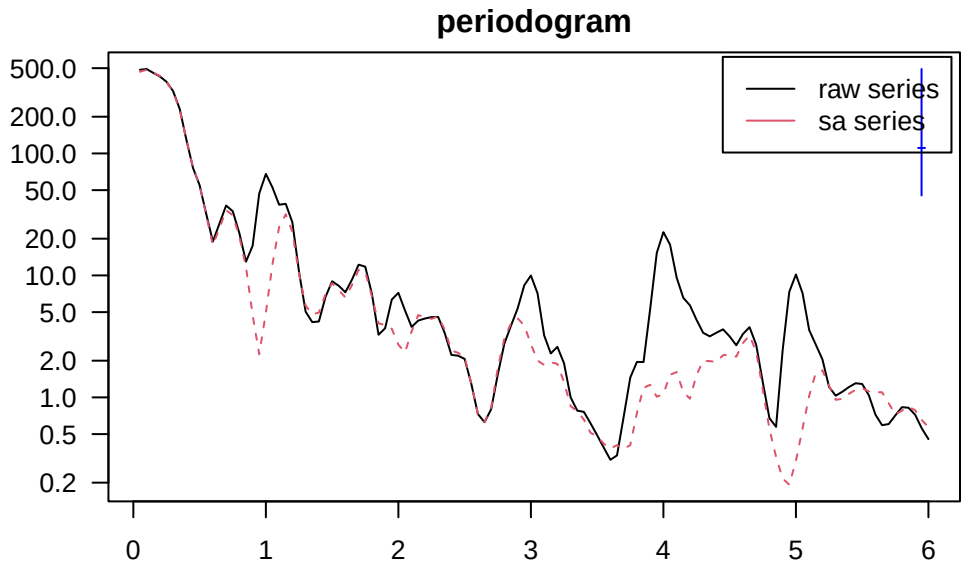
periodogram
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
raw series
sa series
0
1
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5
6

DIVID19

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
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−10
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2021−12
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2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
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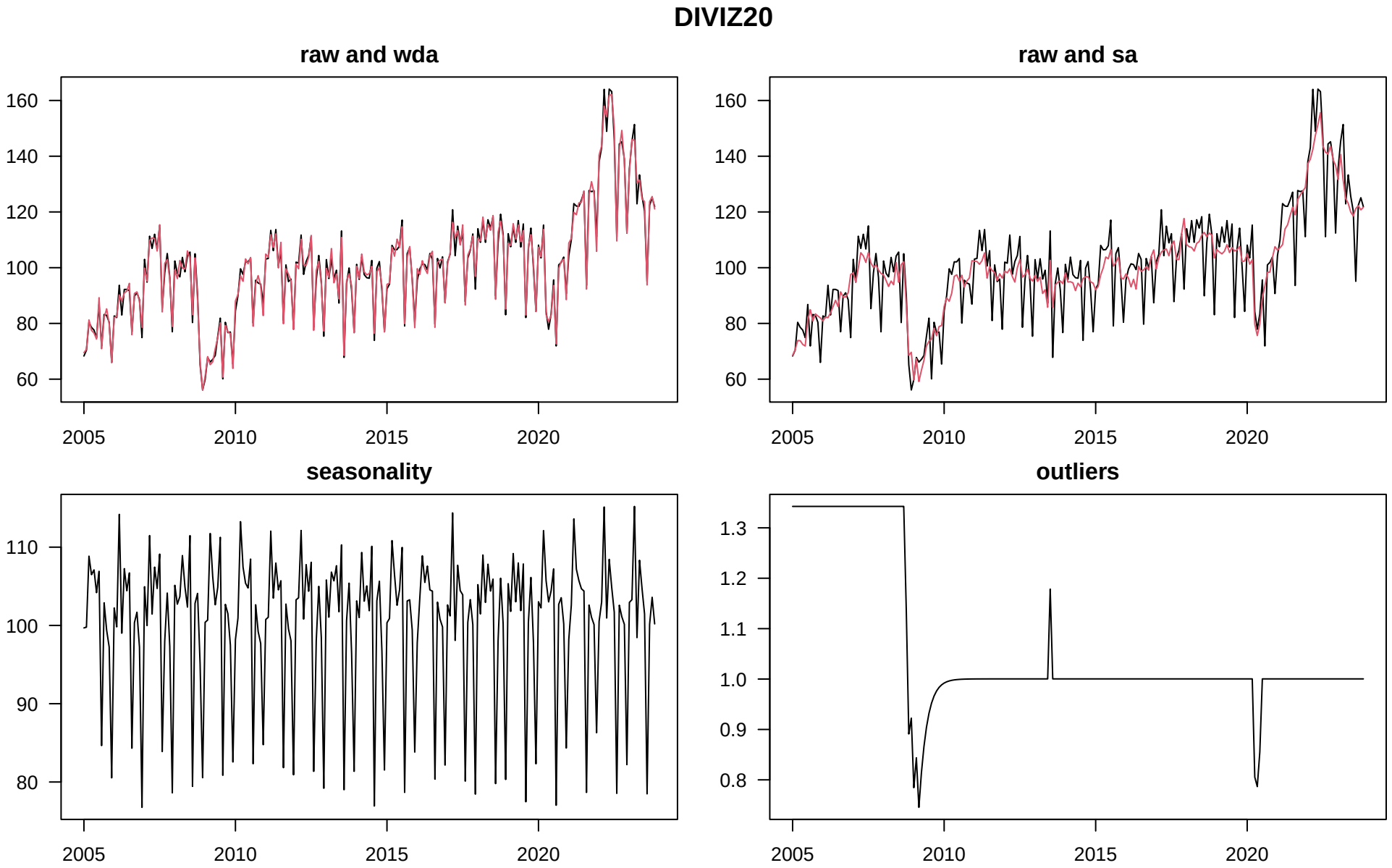
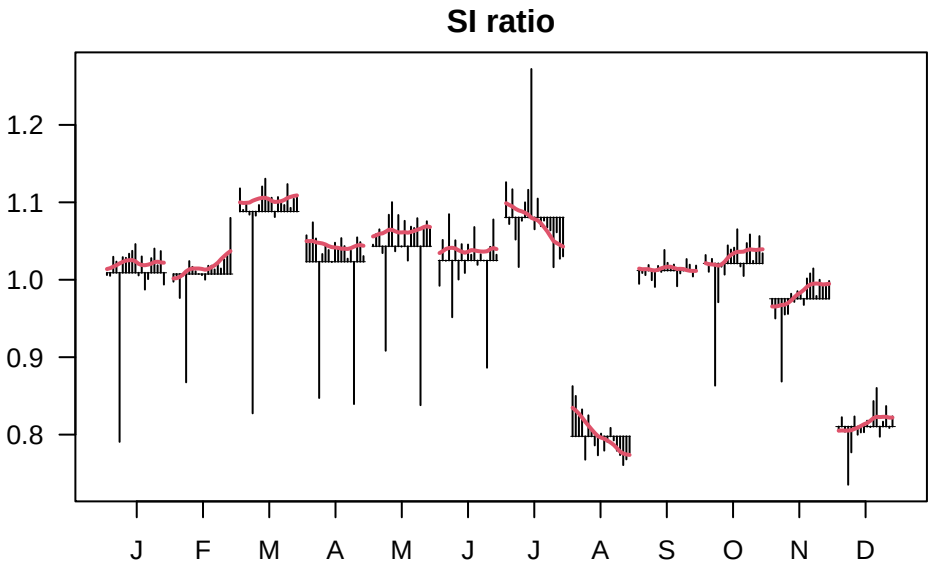
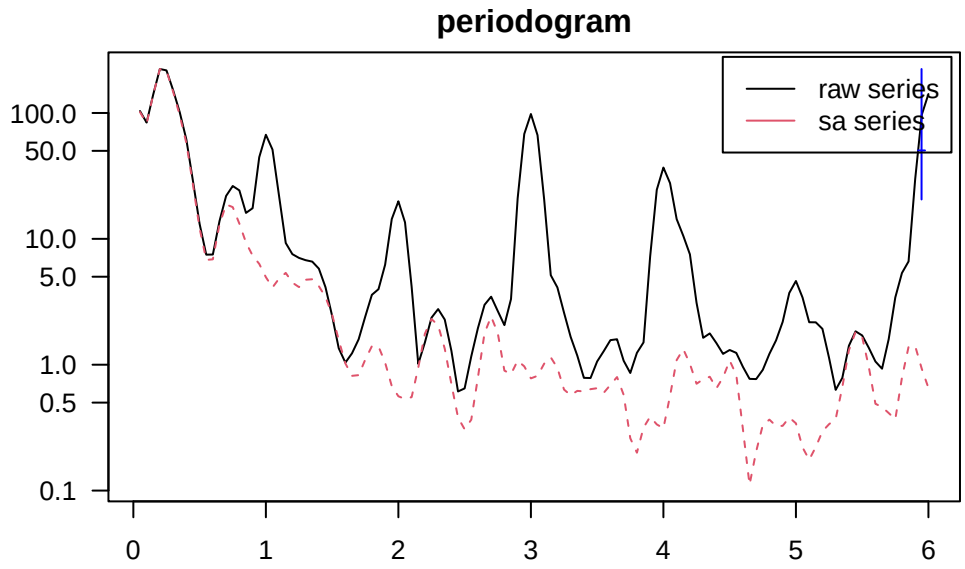
2023−10
2023−11


DIVIZ20
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
110
90
1.3
1.2
1.1
1.0
0.9
0.8
2005
2010
2015
2020

DIVIZ20


SI ratio
1.2
1.1
1.0
0.9
0.8
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
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5.0
1.0
0.5
0.1
0
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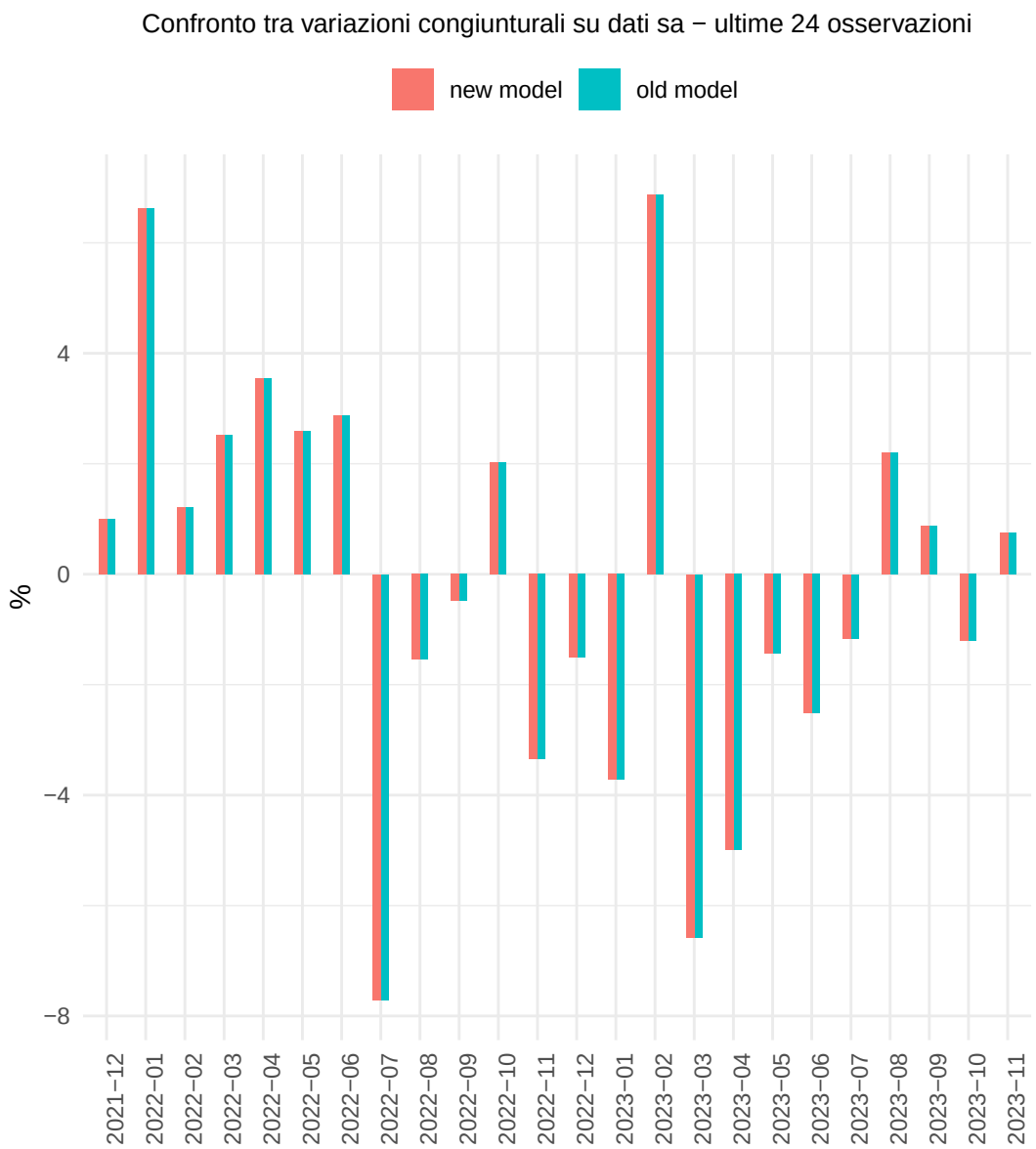
5
6

DIVIZ20


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
0
−4
−8
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
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2022−12
2023−01
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2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
0
−20
2021−12
2022−01
2022−02
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2022−04
2022−05
2022−06
2022−07
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2023−01
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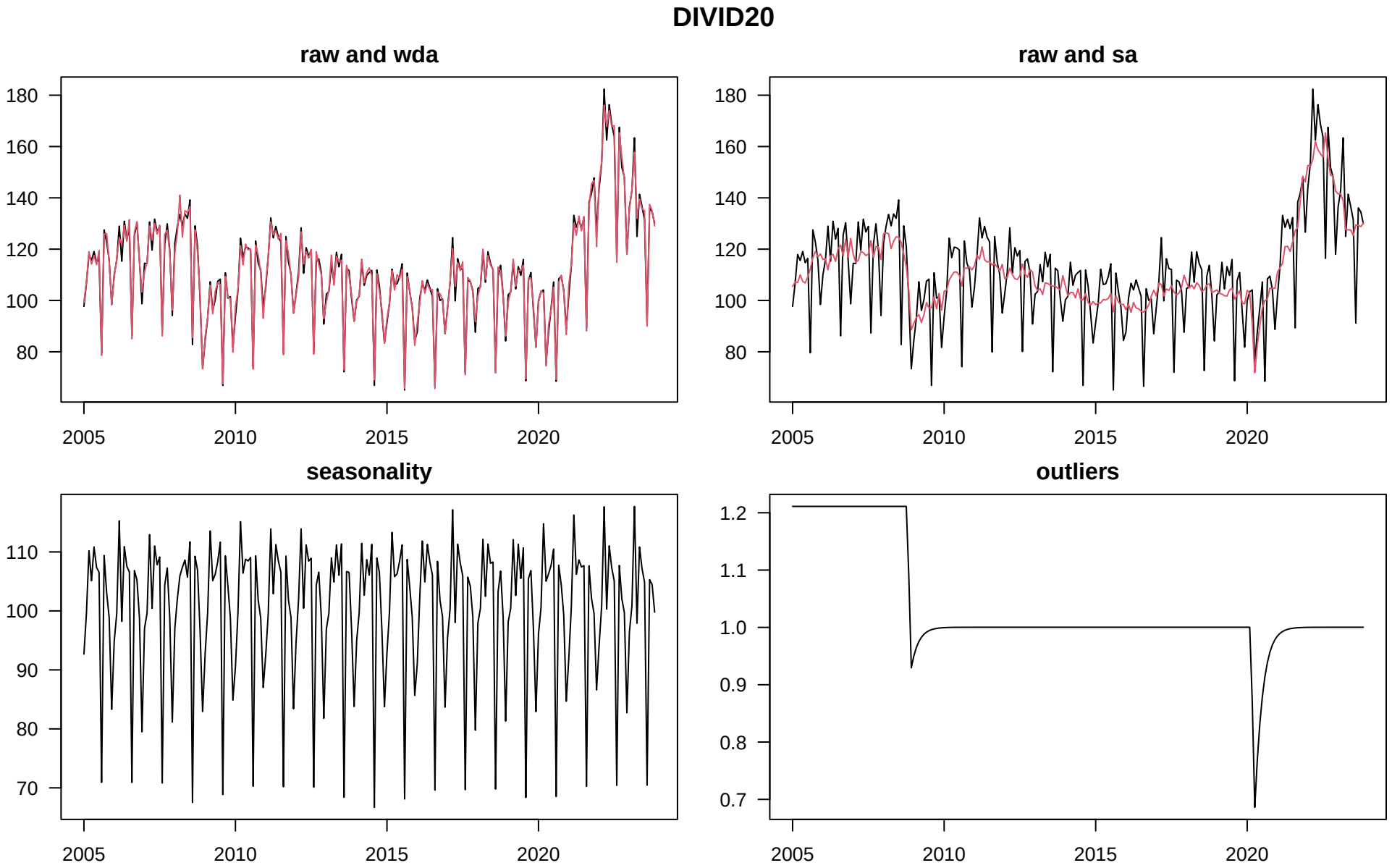
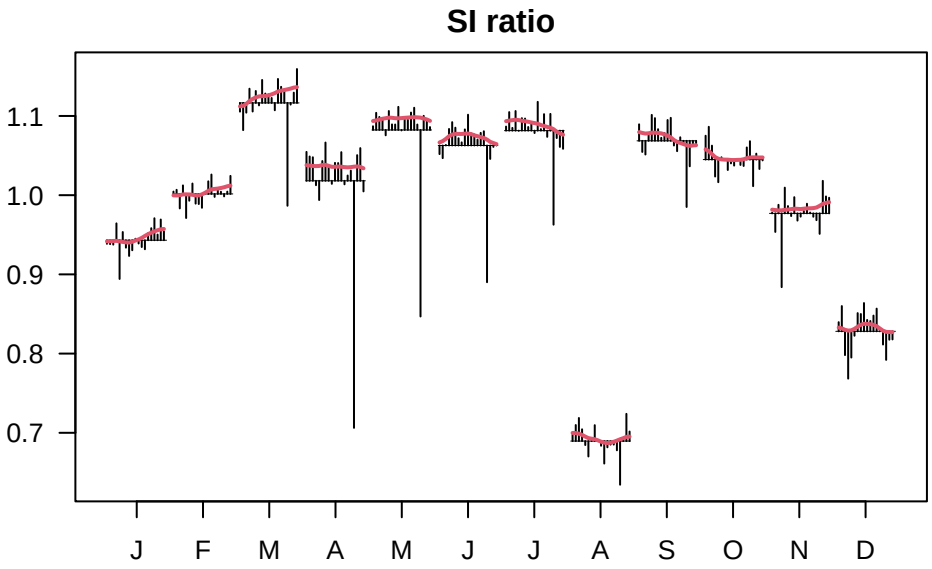
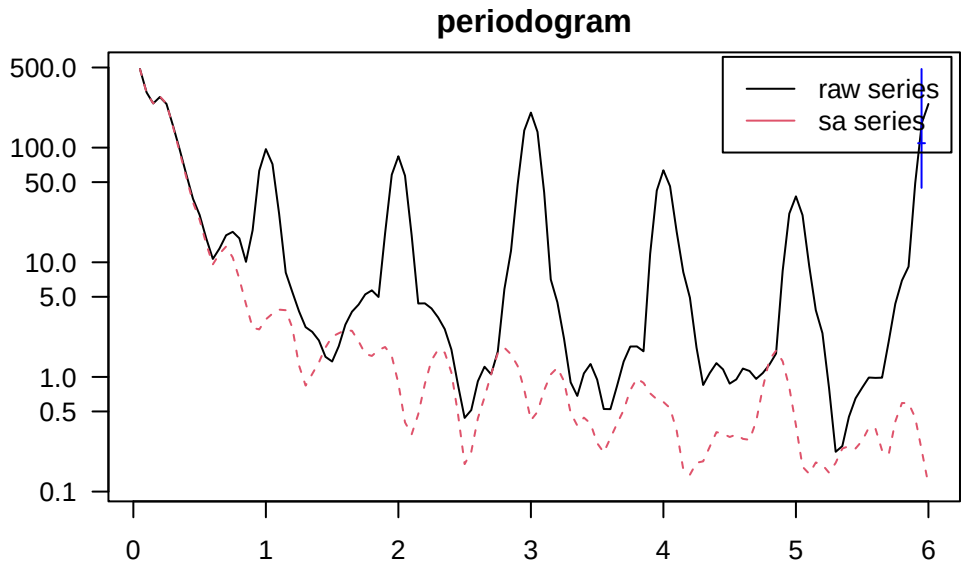

DIVID20
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
110
90
70
1.2
1.1
1.0
0.9
0.8
0.7
2005
2010
2015
2020

DIVID20


SI ratio
1.1
1.0
0.9
0.8
0.7
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
500.0
100.0
50.0
10.0
5.0
1.0
0.5
0.1
0
1
2
3
4
5
6
raw series
sa series

DIVID20

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
0
−4
−8
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
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2023−01
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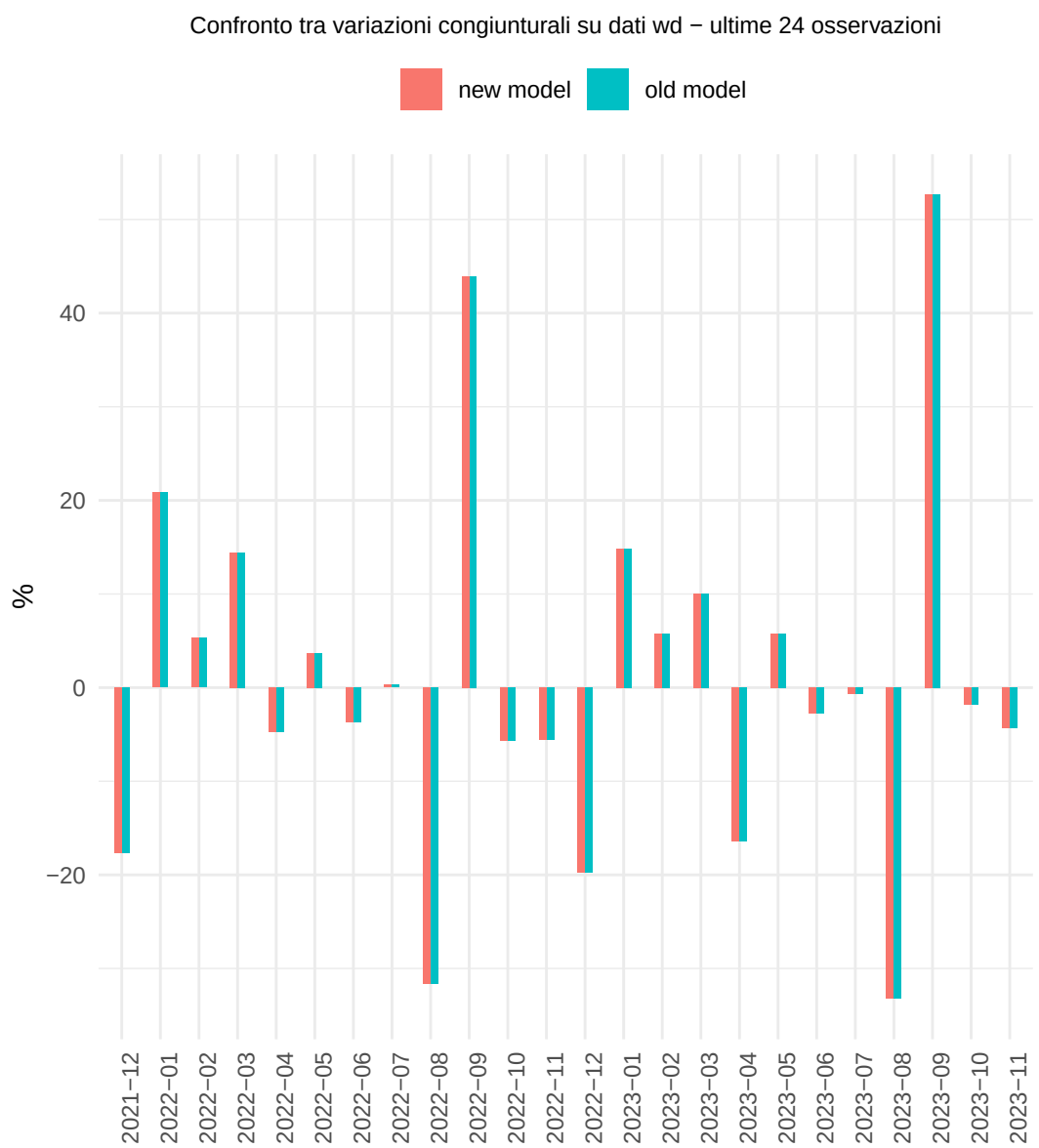
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
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2023−01
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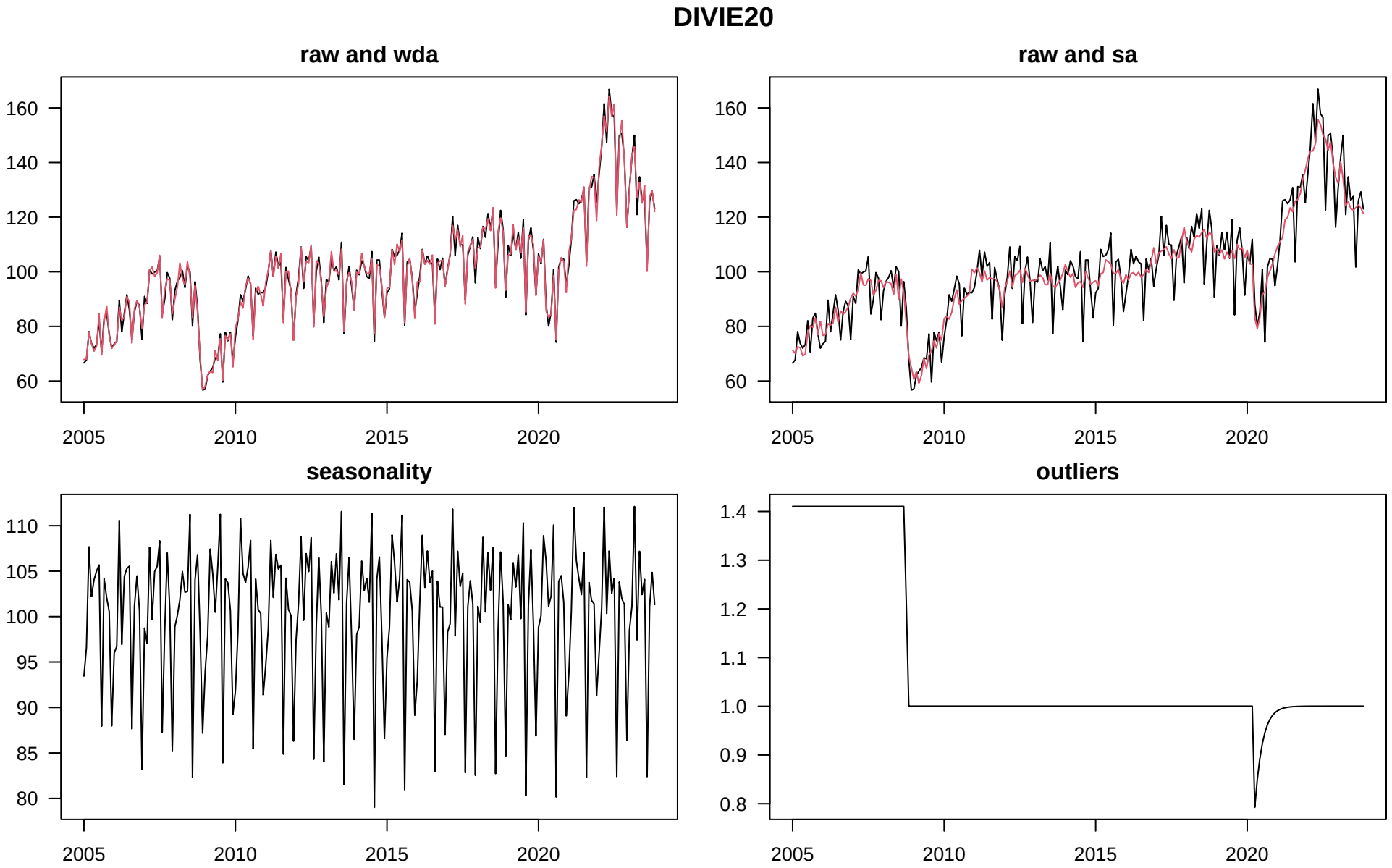
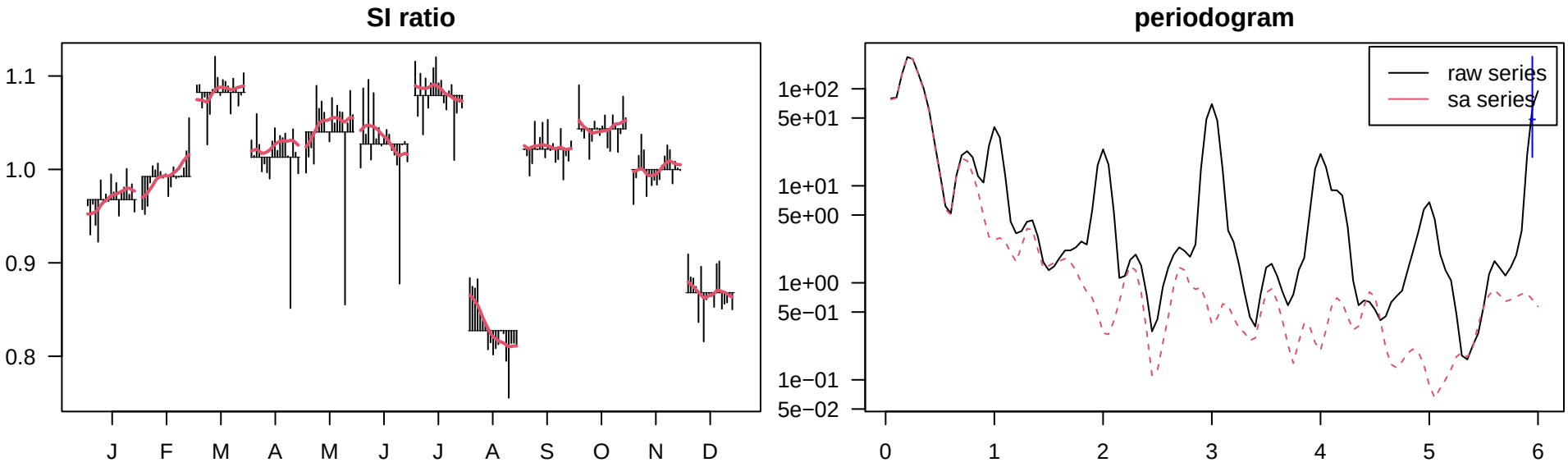
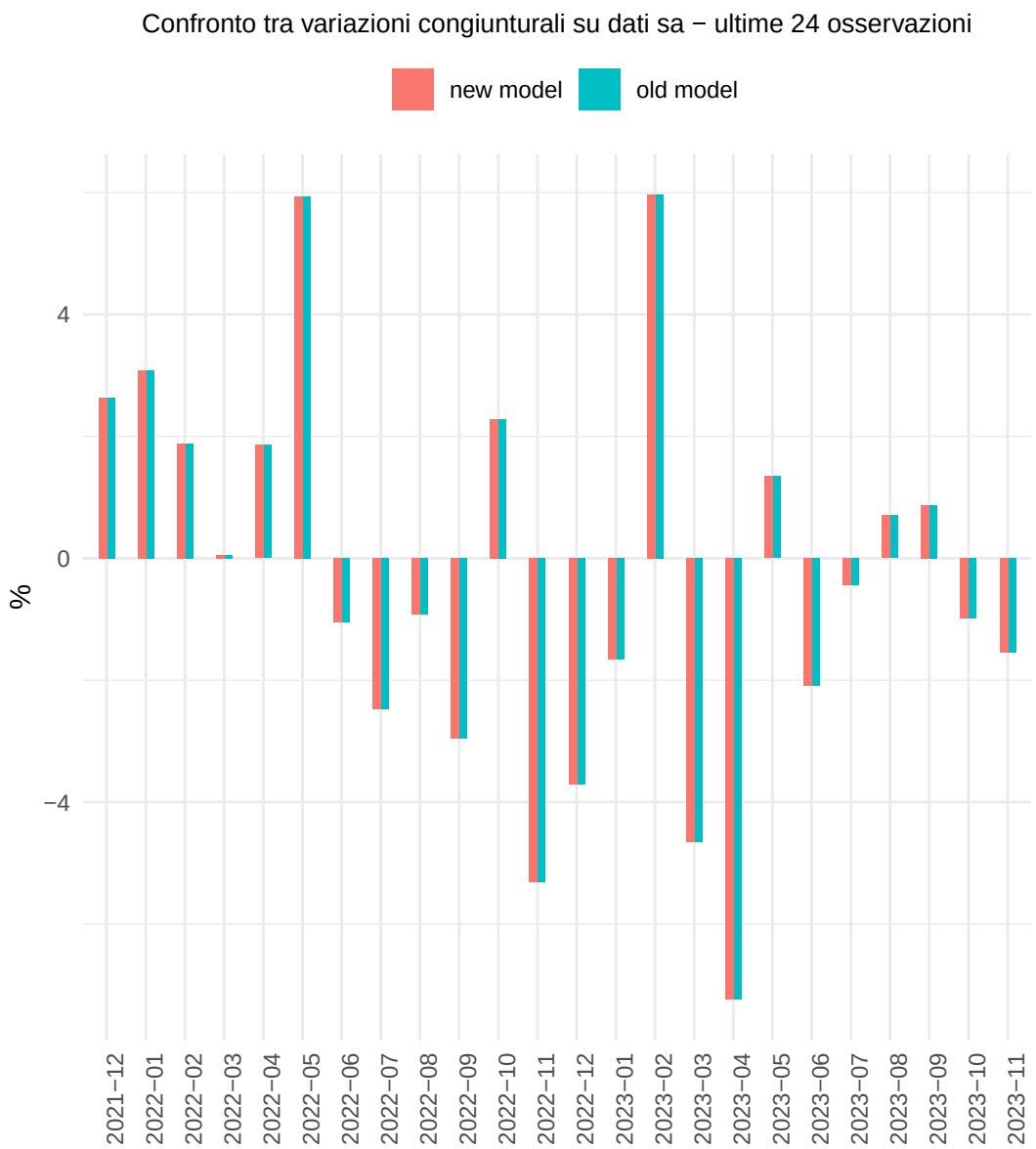
2023−10
2023−11


DIVIE20
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
110
105
100
95
90
85
80
1.4
1.3
1.2
1.1
1.0
0.9
0.8
2005
2010
2015
2020

DIVIE20


SI ratio
1.1
1.0
0.9
0.8
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
raw series
sa series
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6

DIVIE20


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
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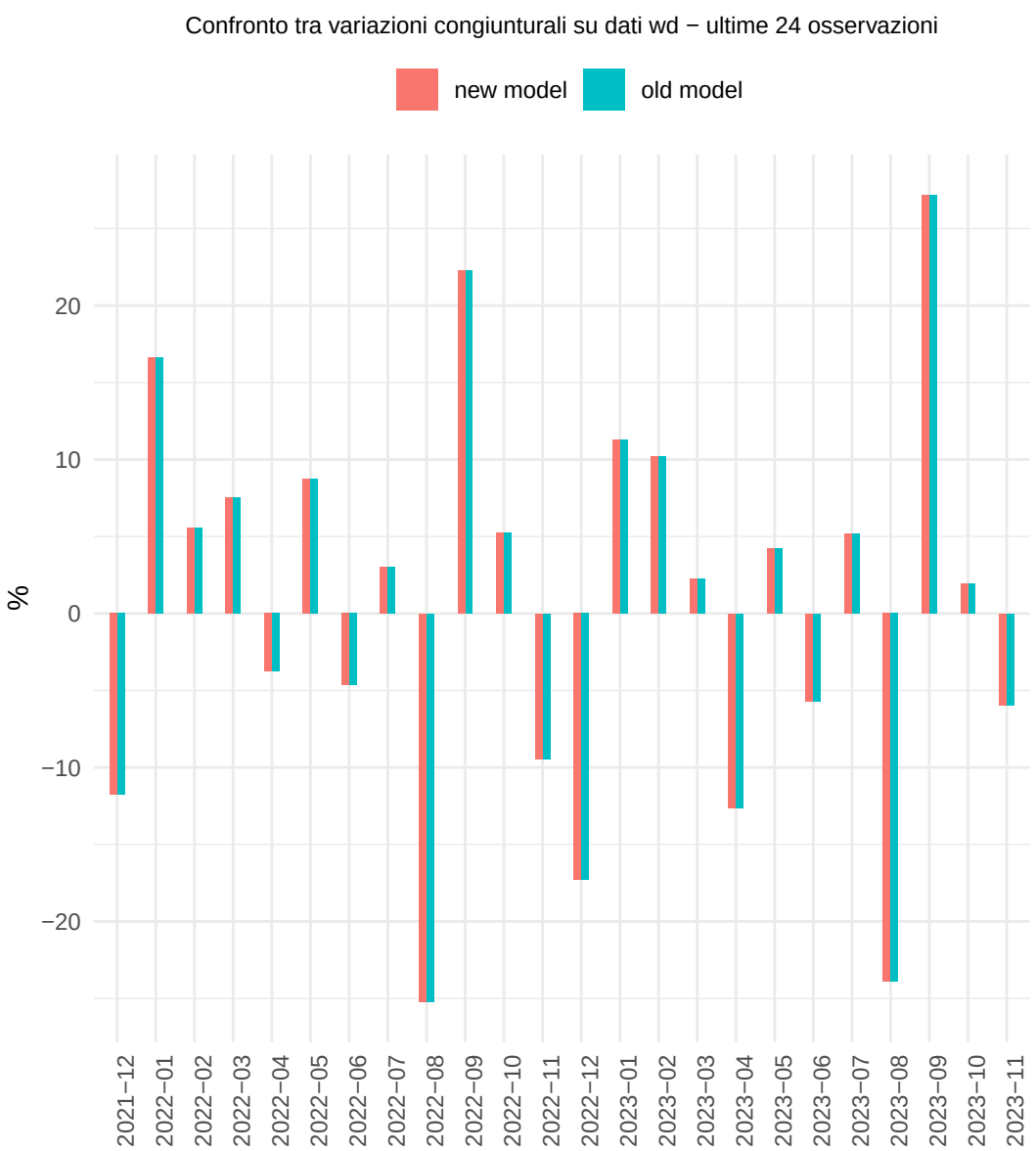
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
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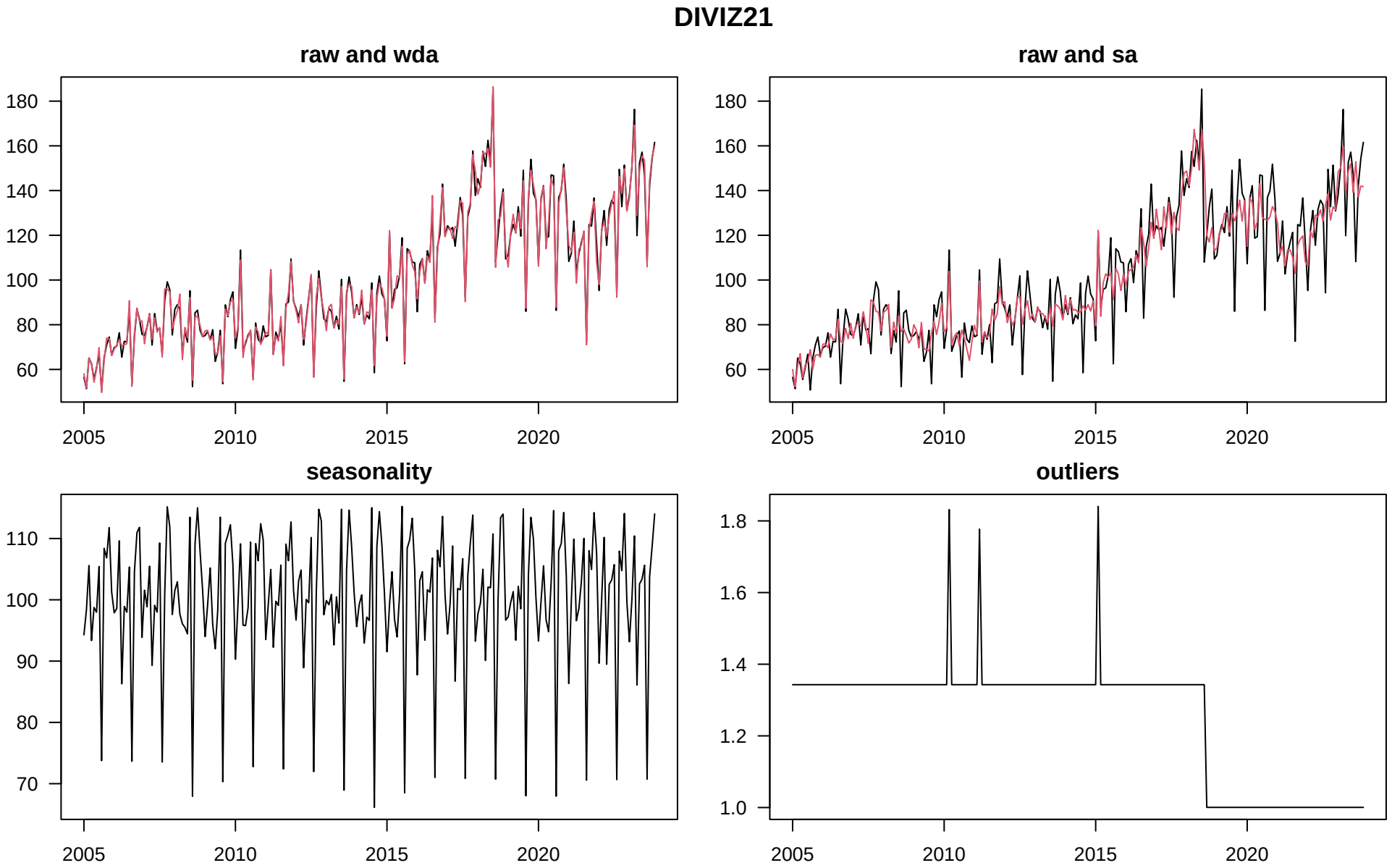
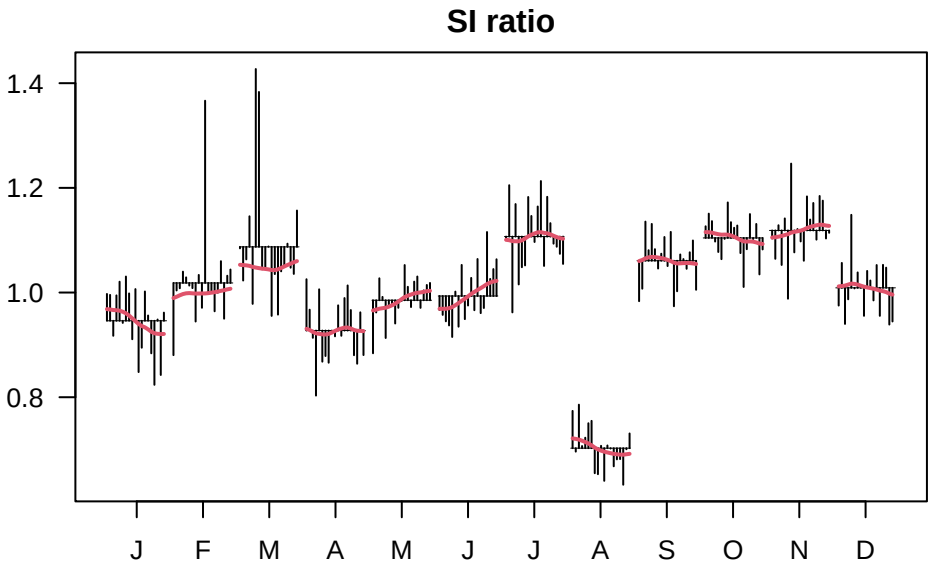
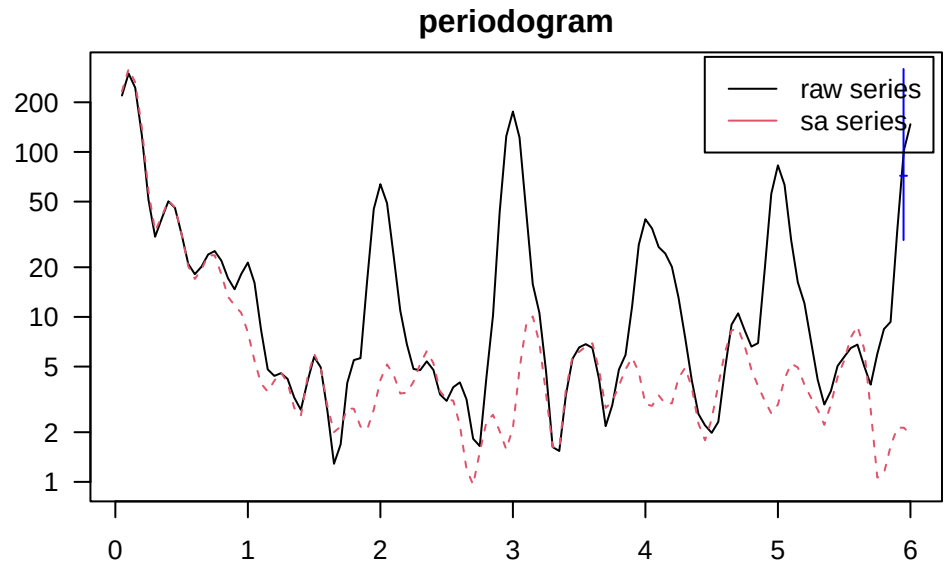
2023−10
2023−11


DIVIZ21
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
110
90
70
1.8
1.6
1.4
1.2
1.0
2005
2010
2015
2020

DIVIZ21


SI ratio
1.4
1.2
1.0
0.8
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
200
100
50
20
10
5
2
1
0
1
2
3
4
5
6

DIVIZ21

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
15
10
5
0
−5
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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2023−04
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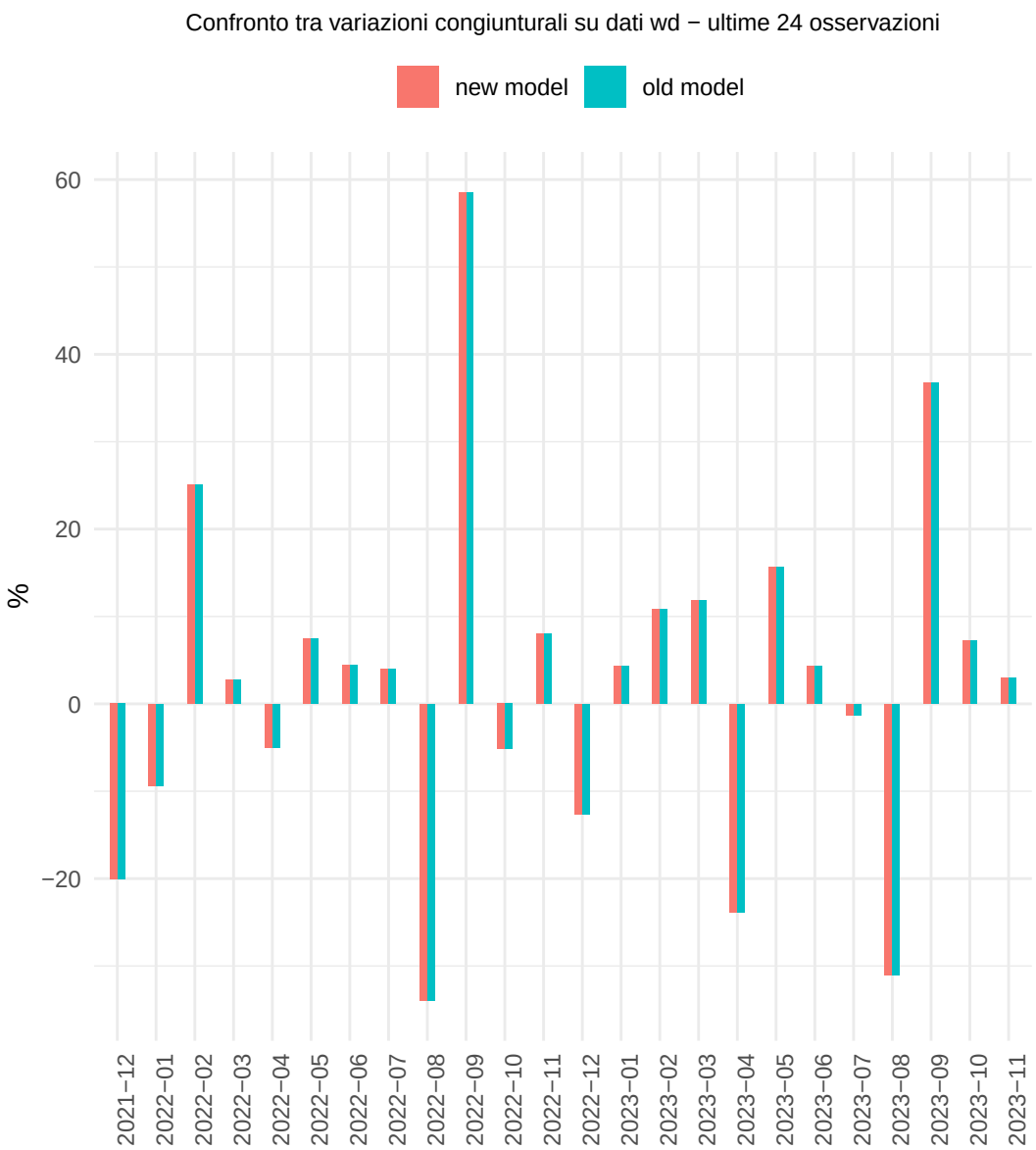
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
60
40
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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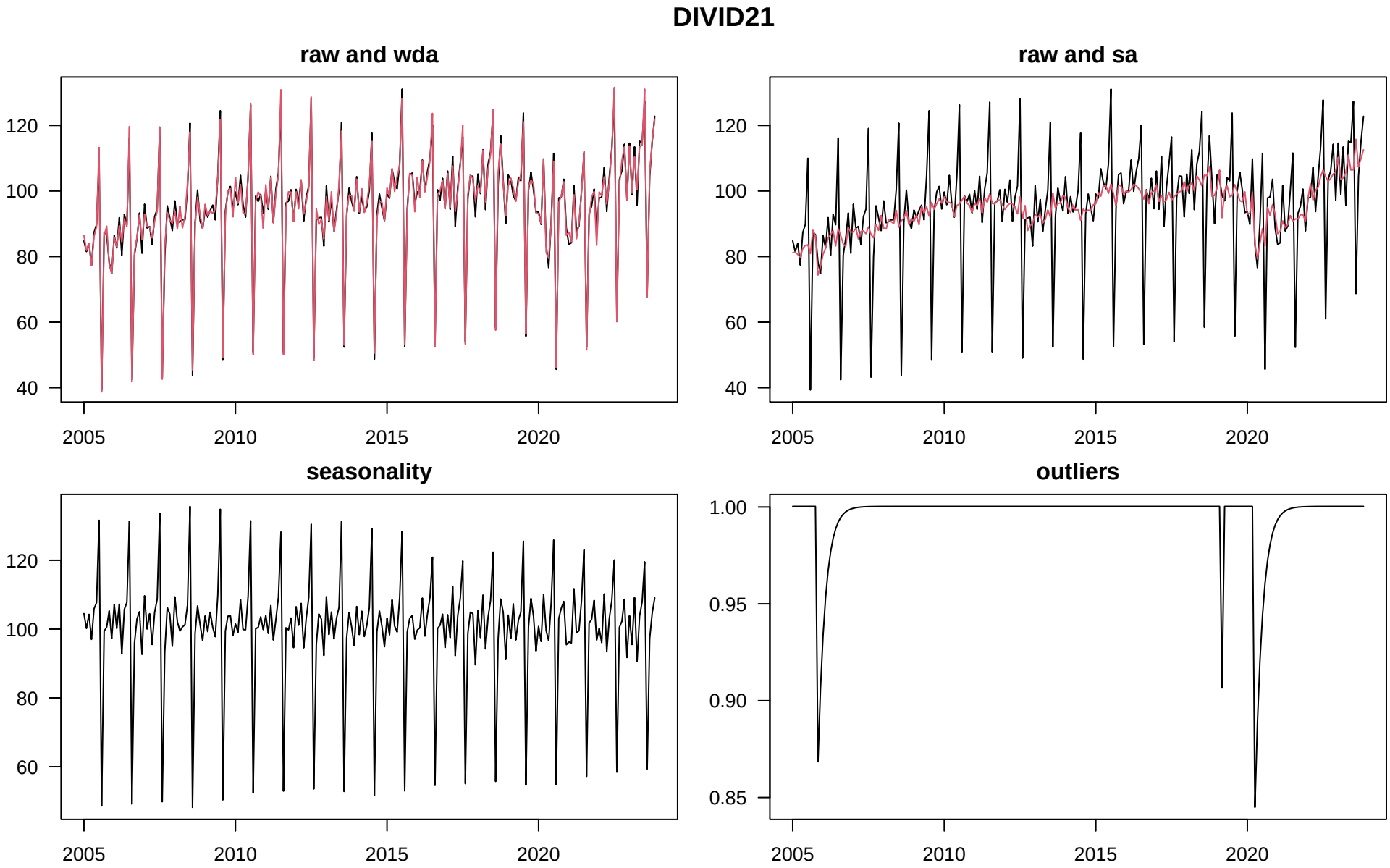
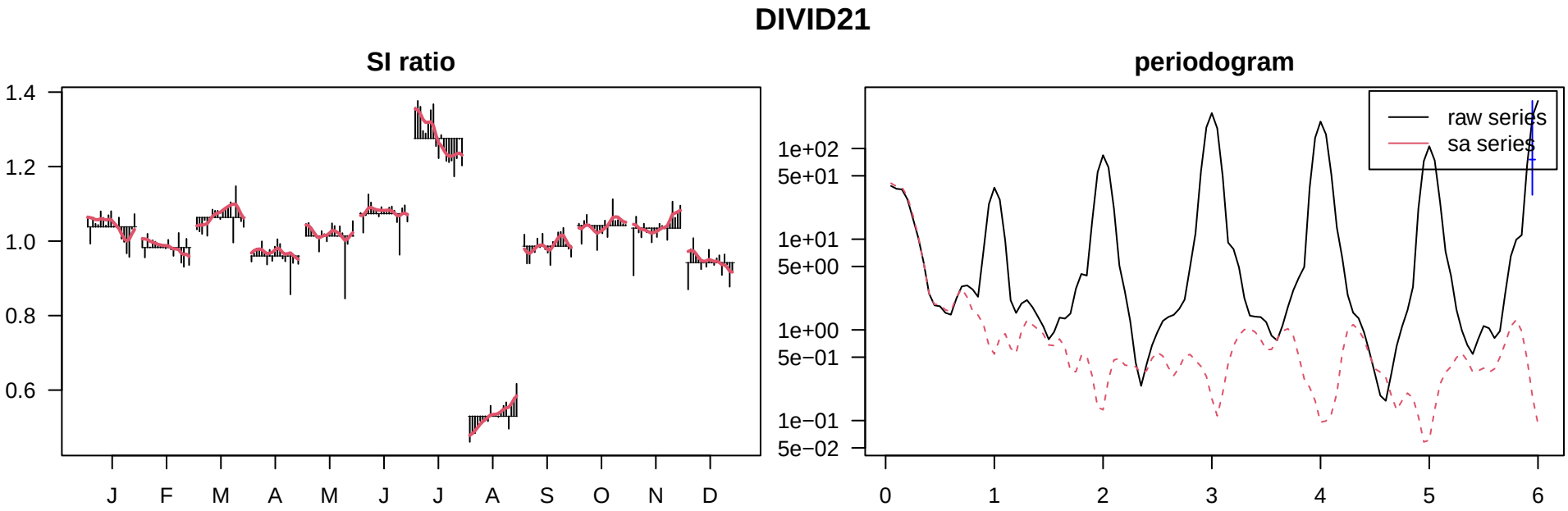
2023−10
2023−11


DIVID21
raw and wda
raw and sa
seasonality
outliers
120
100
80
60
40
1.00
0.95
0.90
0.85
2005
2010
2015
2020


DIVID21
SI ratio
1.4
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
raw series
sa series
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6

DIVID21

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
75
50
25
0
−25
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
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2023−01
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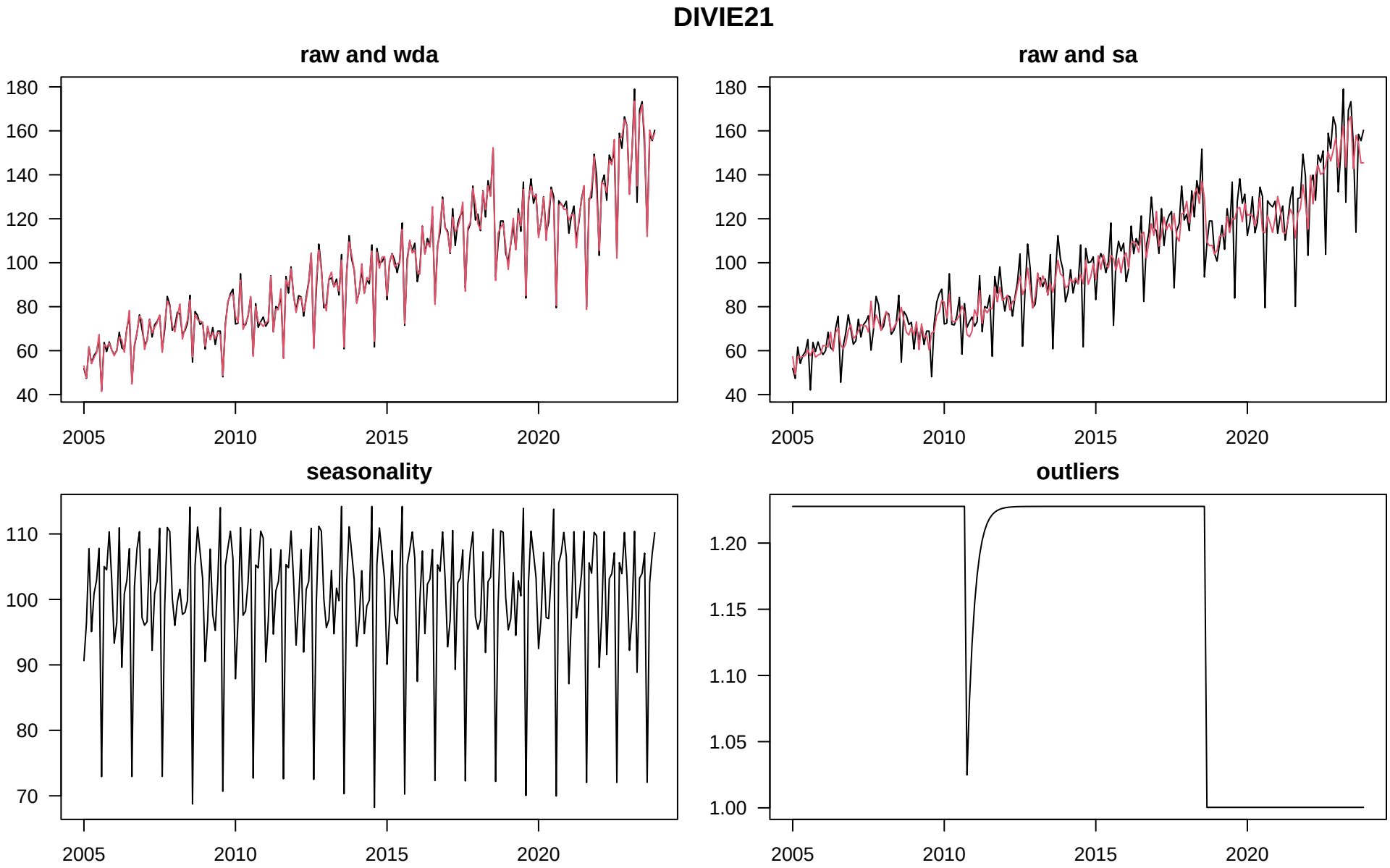
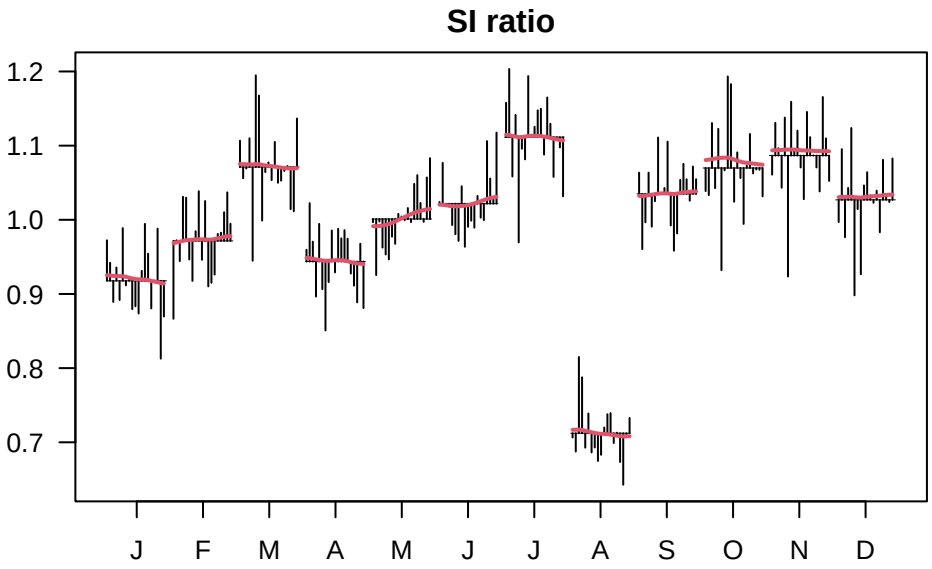
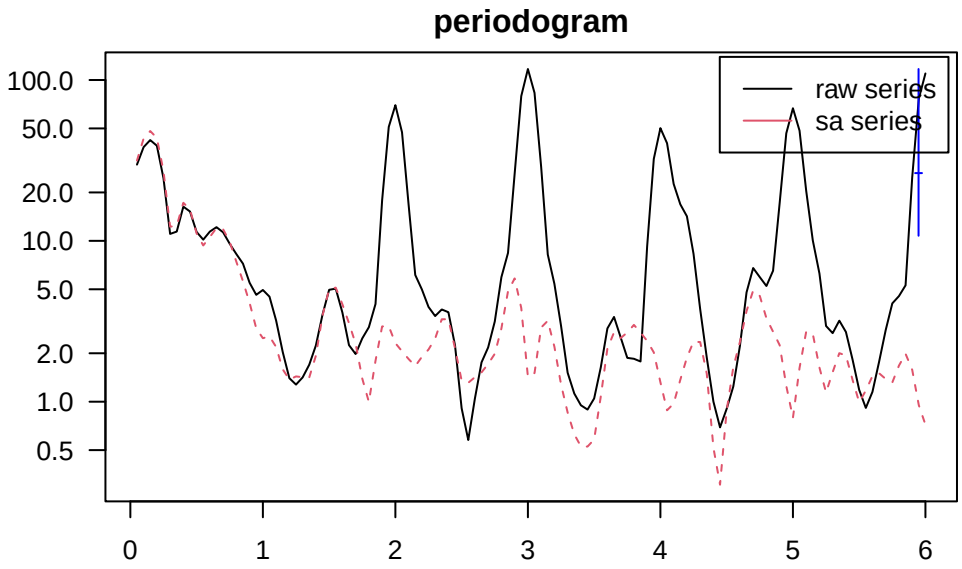
2023−10
2023−11


DIVIE21
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
40
110
90
70
1.20
1.15
1.10
1.05
1.00
2005
2010
2015
2020

DIVIE21


SI ratio
1.2
1.1
1.0
0.9
0.8
0.7
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
3
4
5
6
raw series
sa series

DIVIE21

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
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2023−01
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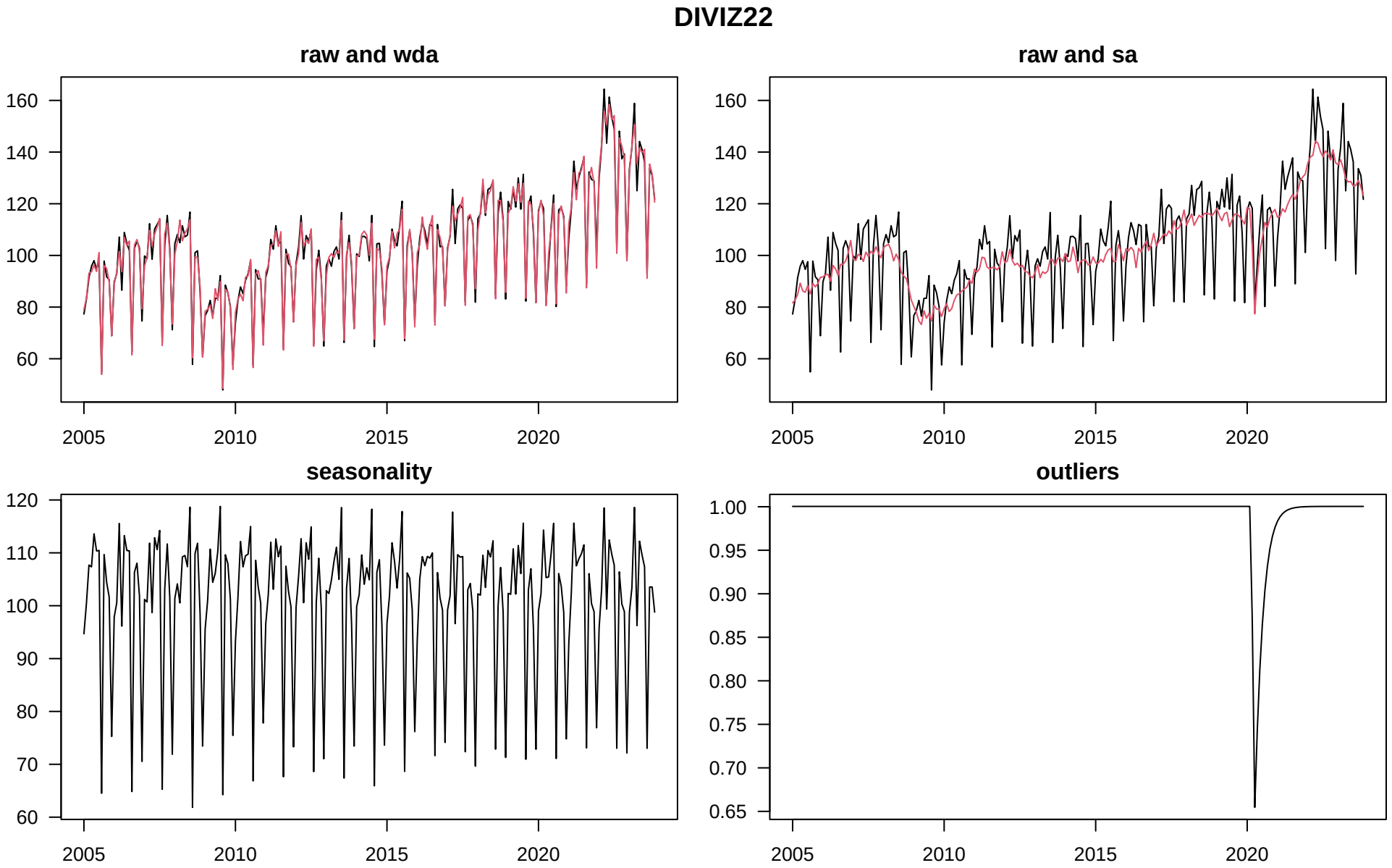
2023−08
2023−09
2023−10
2023−11


DIVIZ22
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
110
90
70
1.00
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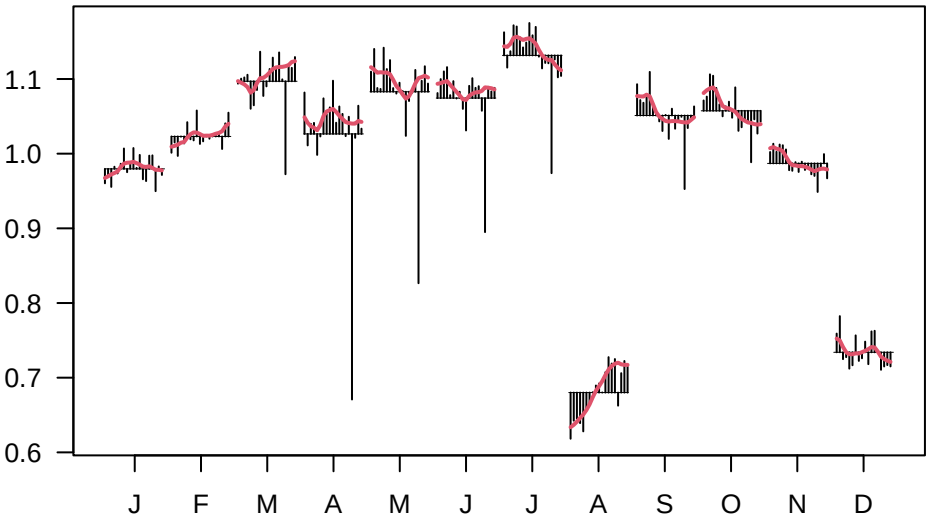
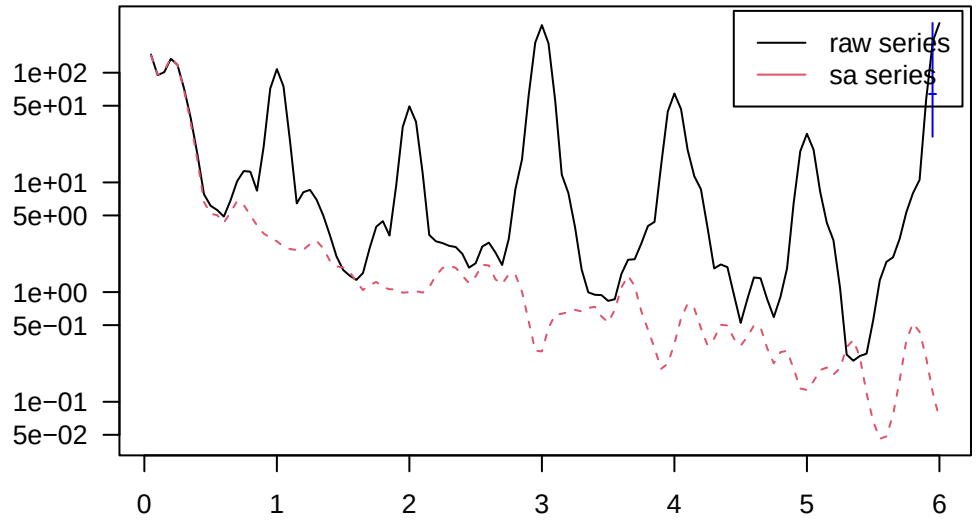
0.85
0.80
0.75
0.70
0.65
2005
2010
2015
2020

DIVIZ22

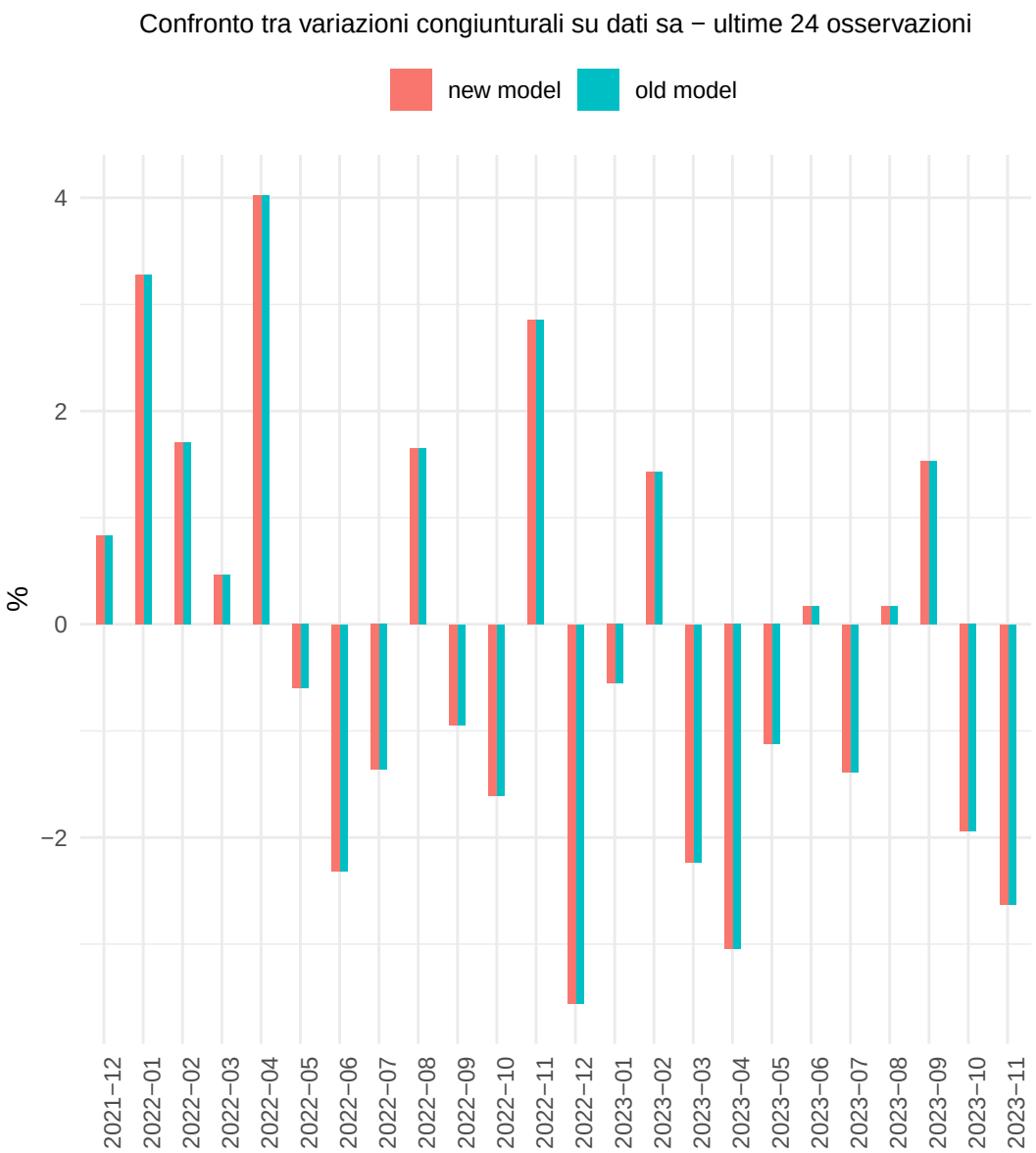
SI ratio



periodogram



DIVIZ22


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
2
0
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
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2023−04
2023−05
2023−06
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2023−08
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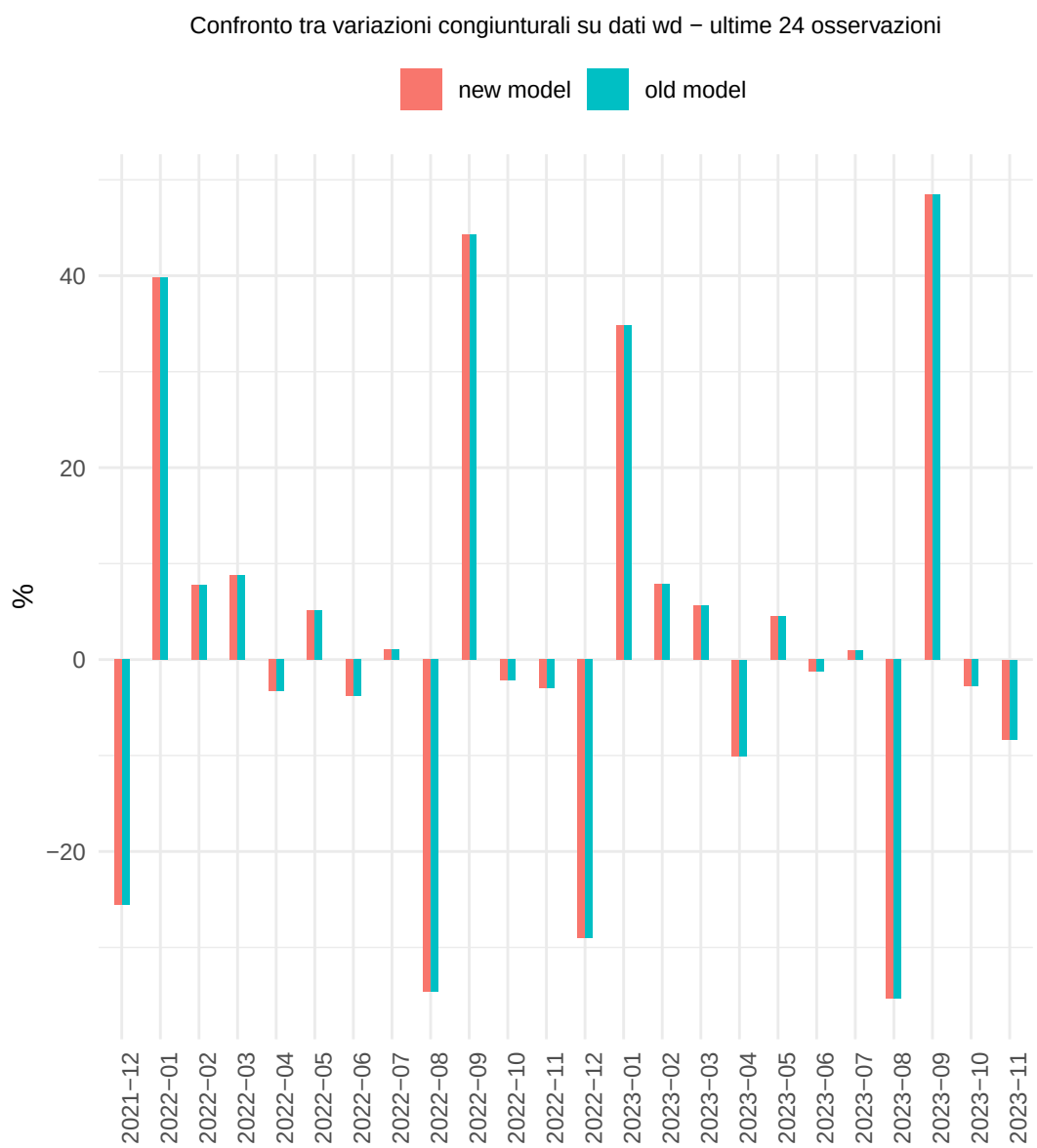
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
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2023−01
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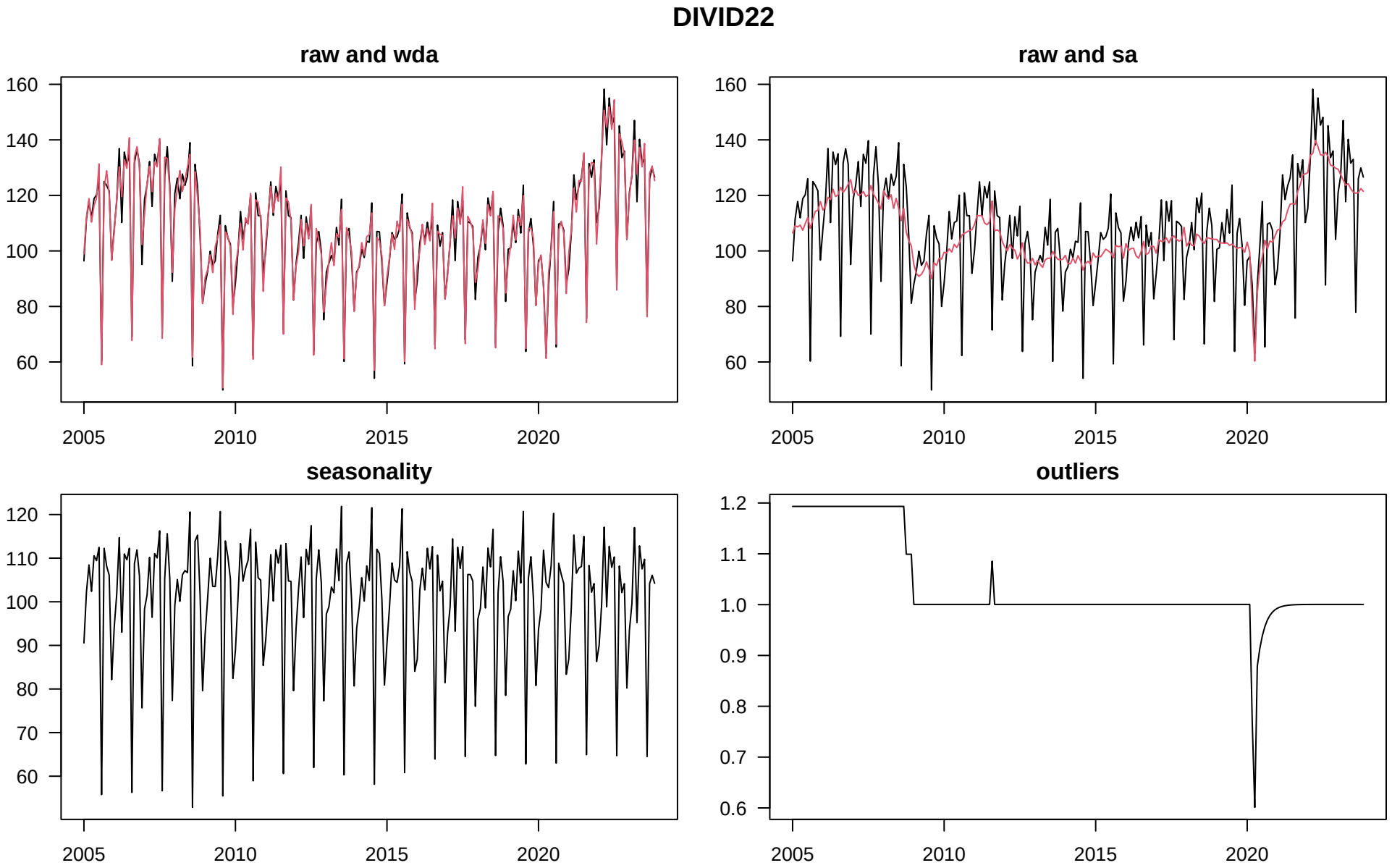
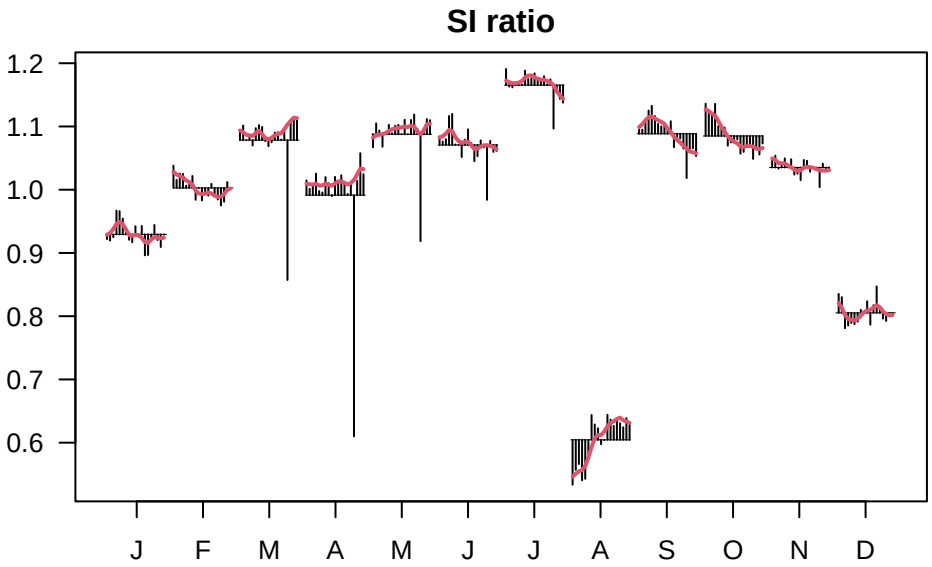
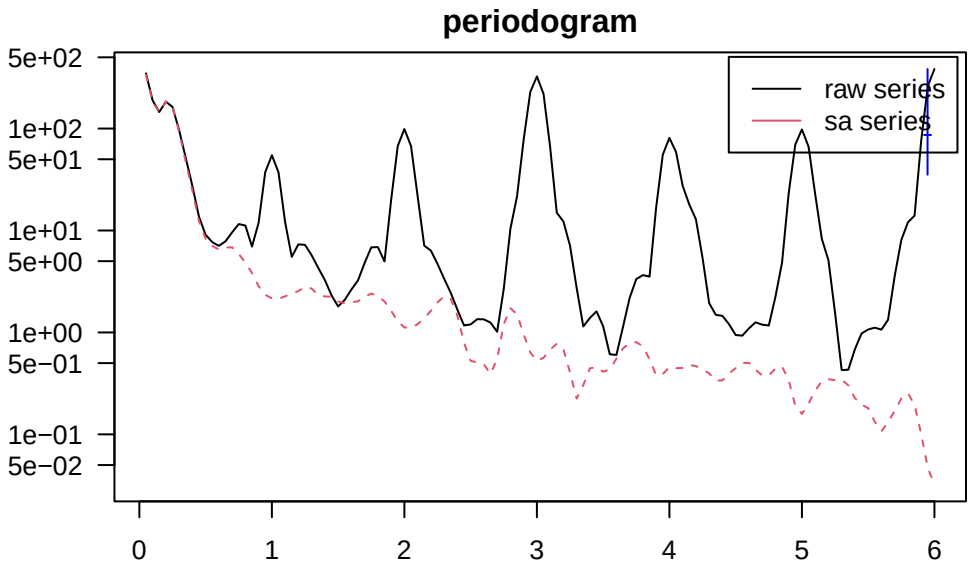
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVID22
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
110
90
70
1.2
1.1
1.0
0.9
0.8
0.7
0.6
2005
2010
2015
2020

DIVID22


SI ratio
1.2
1.1
1.0
0.9
0.8
0.7
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6
raw series
sa series

DIVID22

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5.0
2.5
0.0
−2.5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
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2023−01
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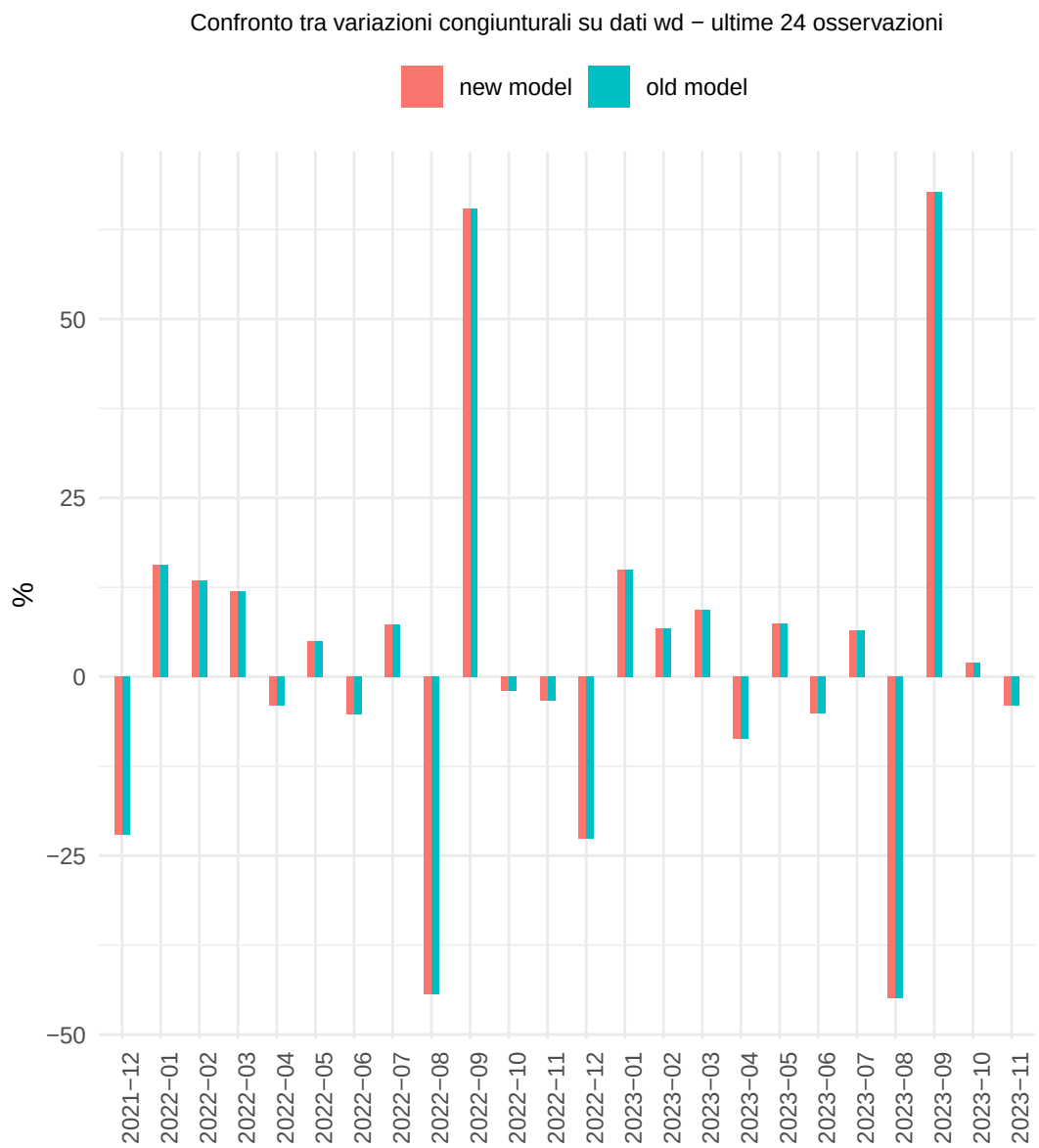
Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
25
0
−25
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
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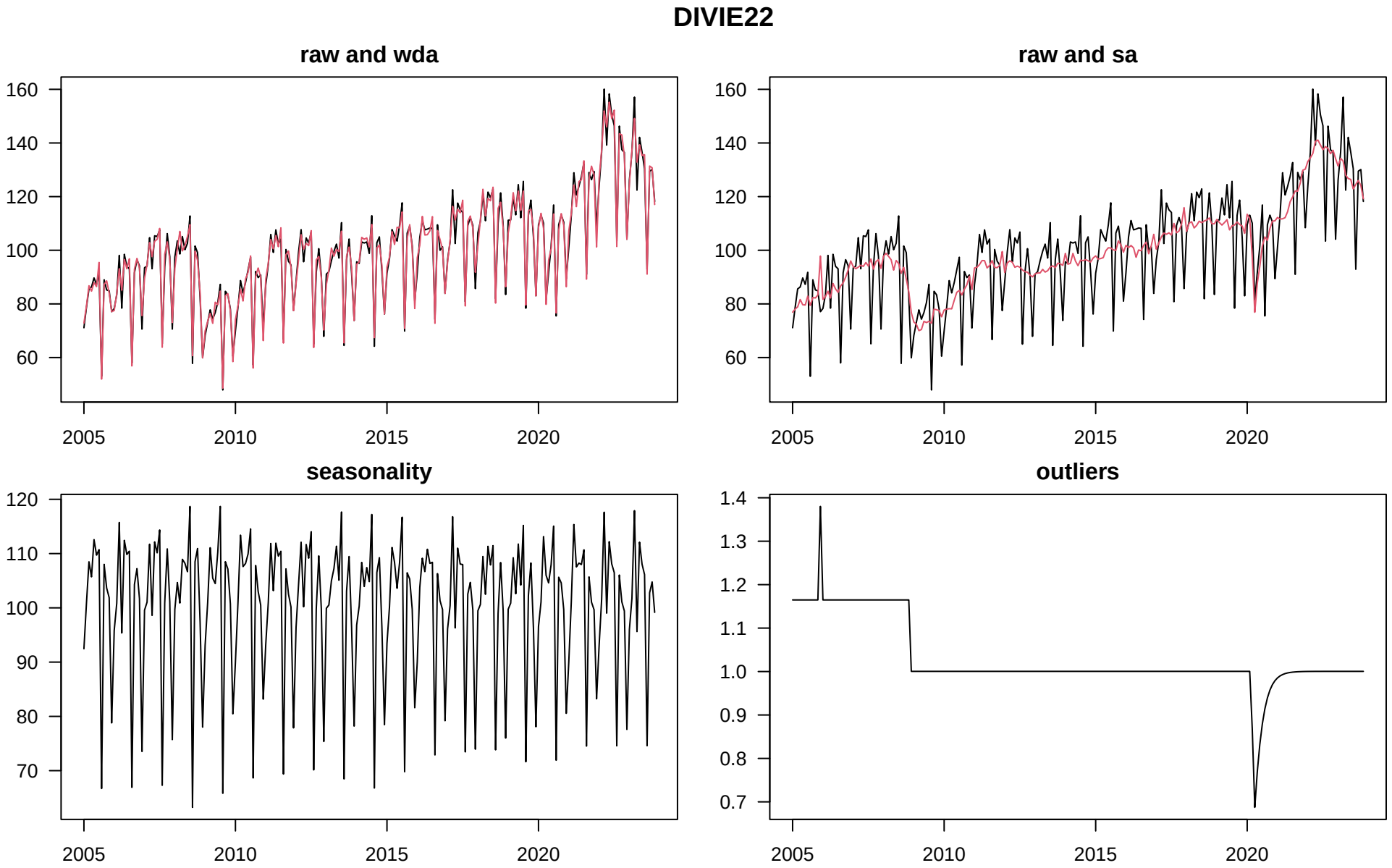
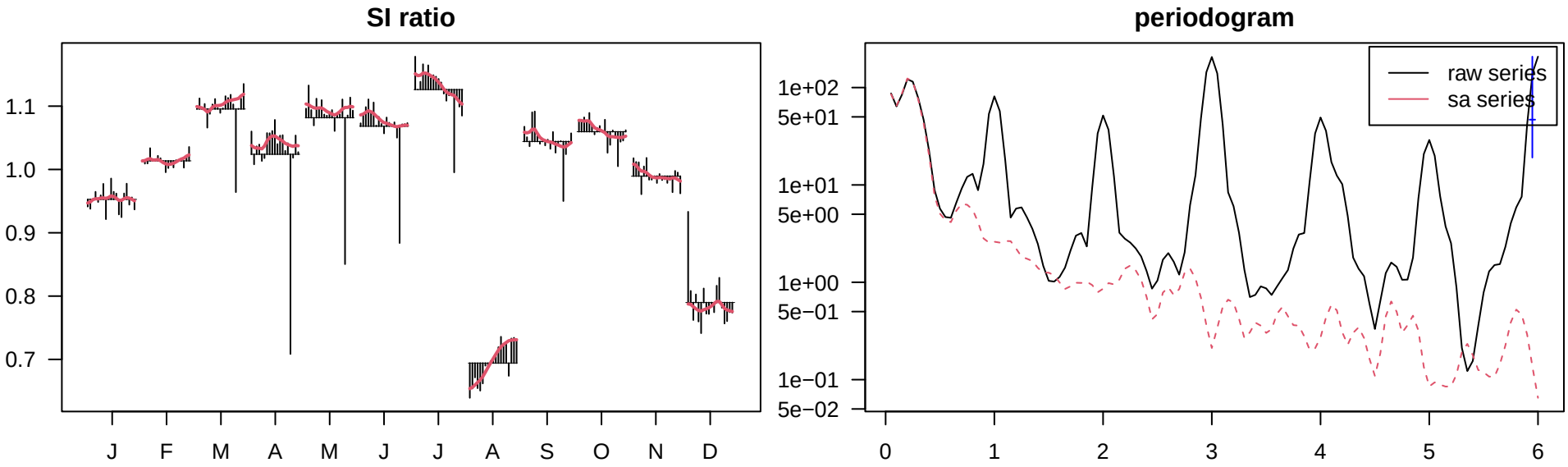

DIVIE22
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
110
90
70
1.4
1.3
1.2
1.1
1.0
0.9
0.8
0.7
2005
2010
2015
2020

DIVIE22


SI ratio
1.1
1.0
0.9
0.8
0.7
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6
raw series
sa series

DIVIE22

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2
0
−2
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
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2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
2021−12
2022−01
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2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
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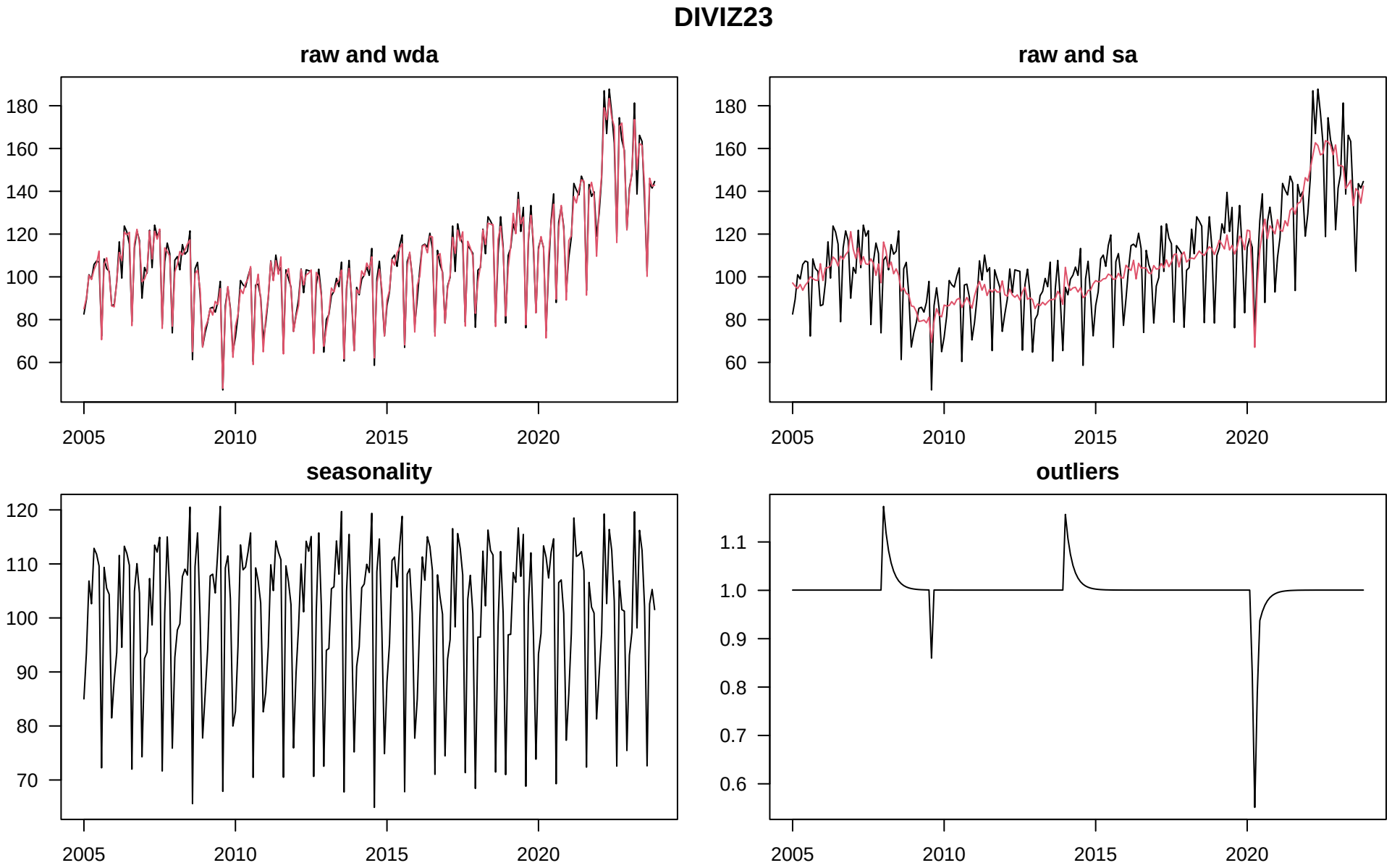
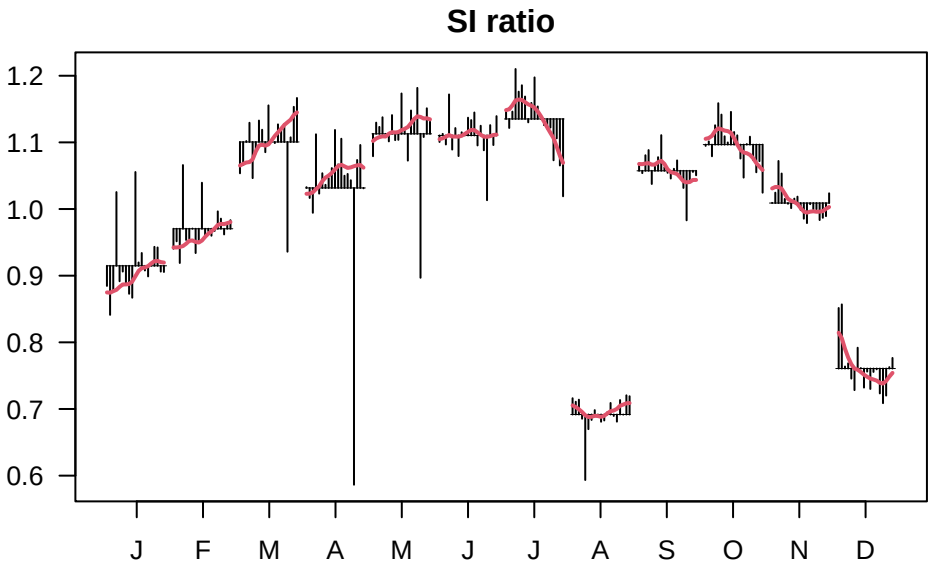
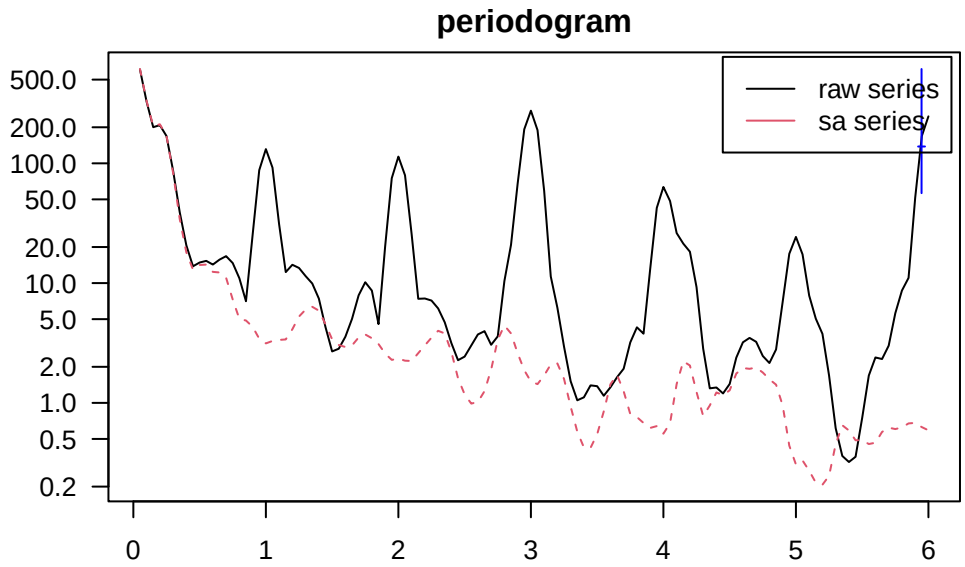
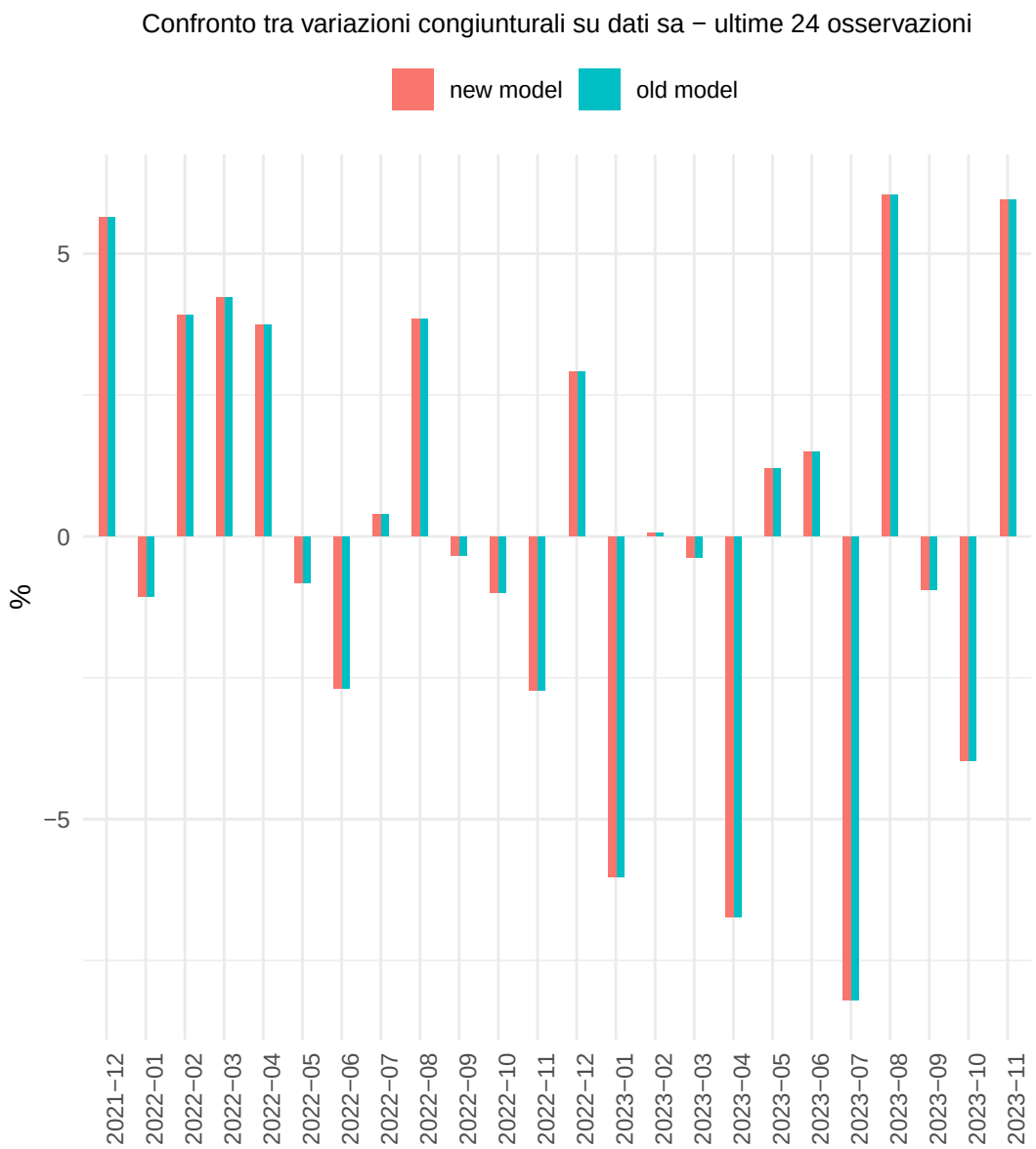

DIVIZ23
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
110
90
70
1.1
1.0
0.9
0.8
0.7
0.6
2005
2010
2015
2020

DIVIZ23


SI ratio
1.2
1.1
1.0
0.9
0.8
0.7
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6

DIVIZ23


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
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−5
2021−12
2022−01
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2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
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2021−12
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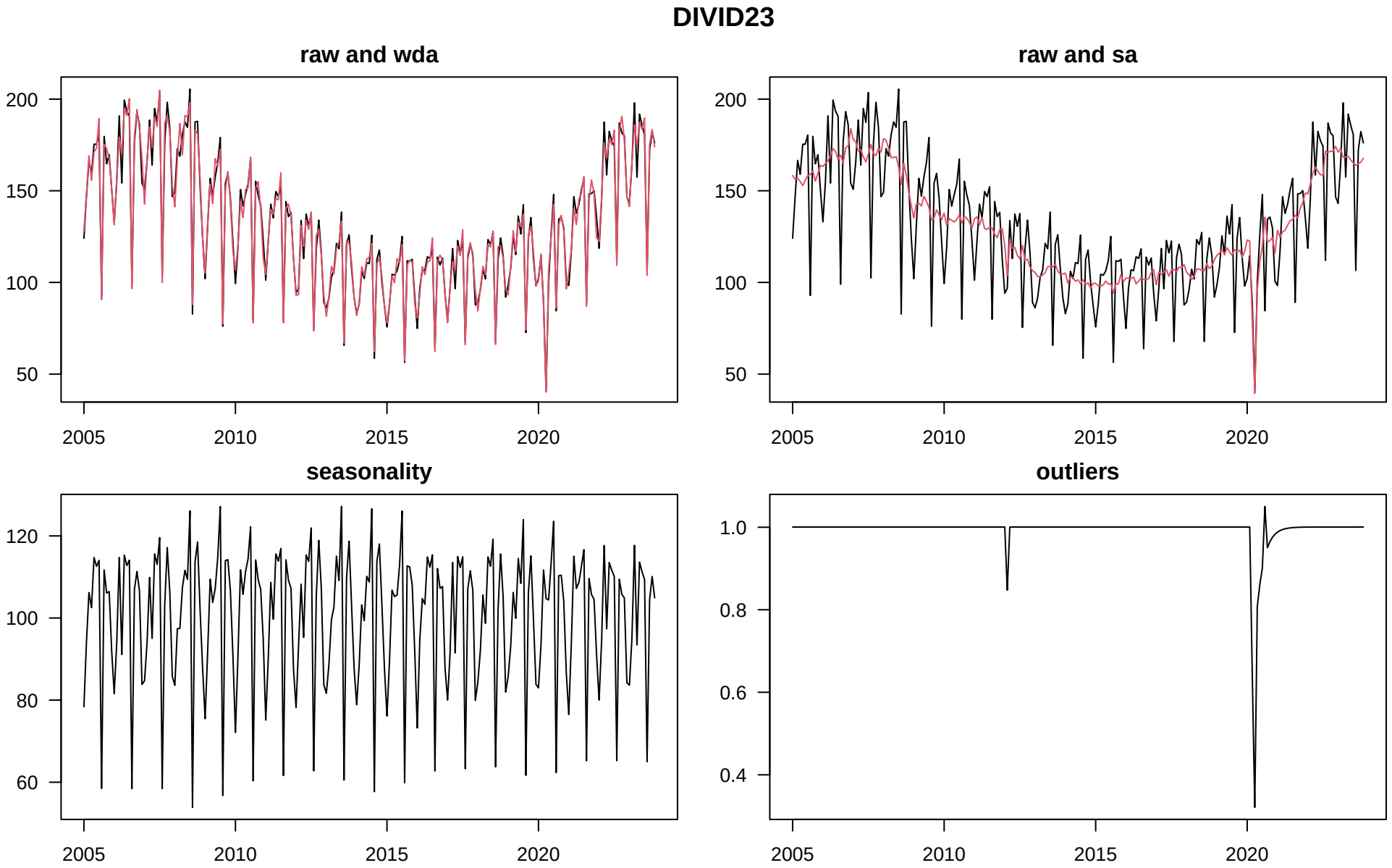
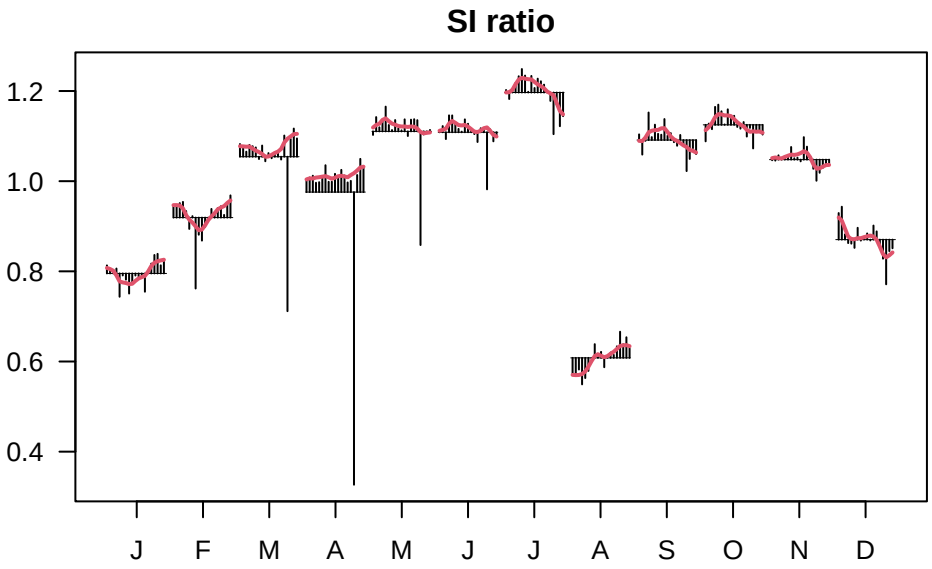
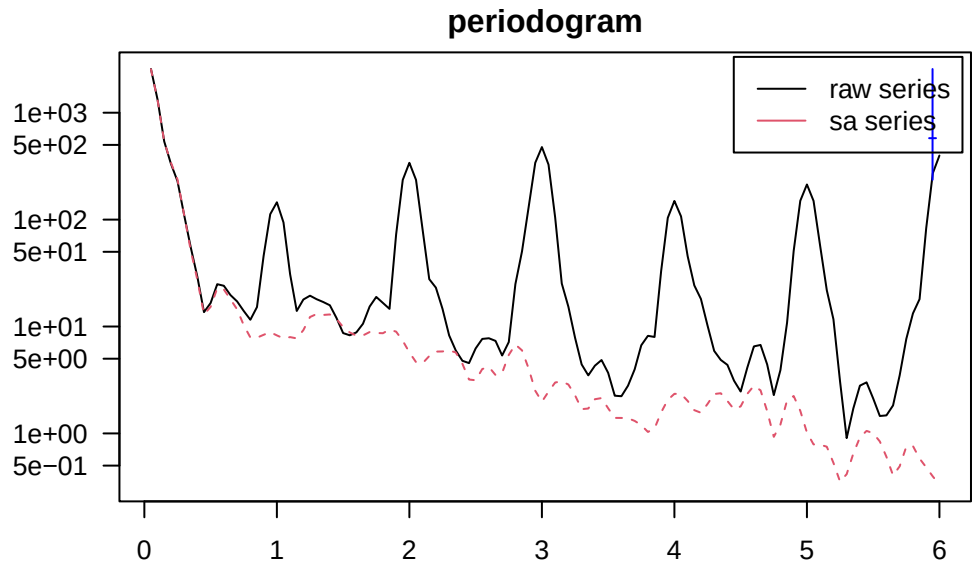
2023−10
2023−11


DIVID23
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
120
80
60
1.0
0.8
0.6
0.4
2005
2010
2015
2020

DIVID23


SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
0
1
2
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4
5
6

DIVID23

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
6
3
0
−3
2021−12
2022−01
2022−02
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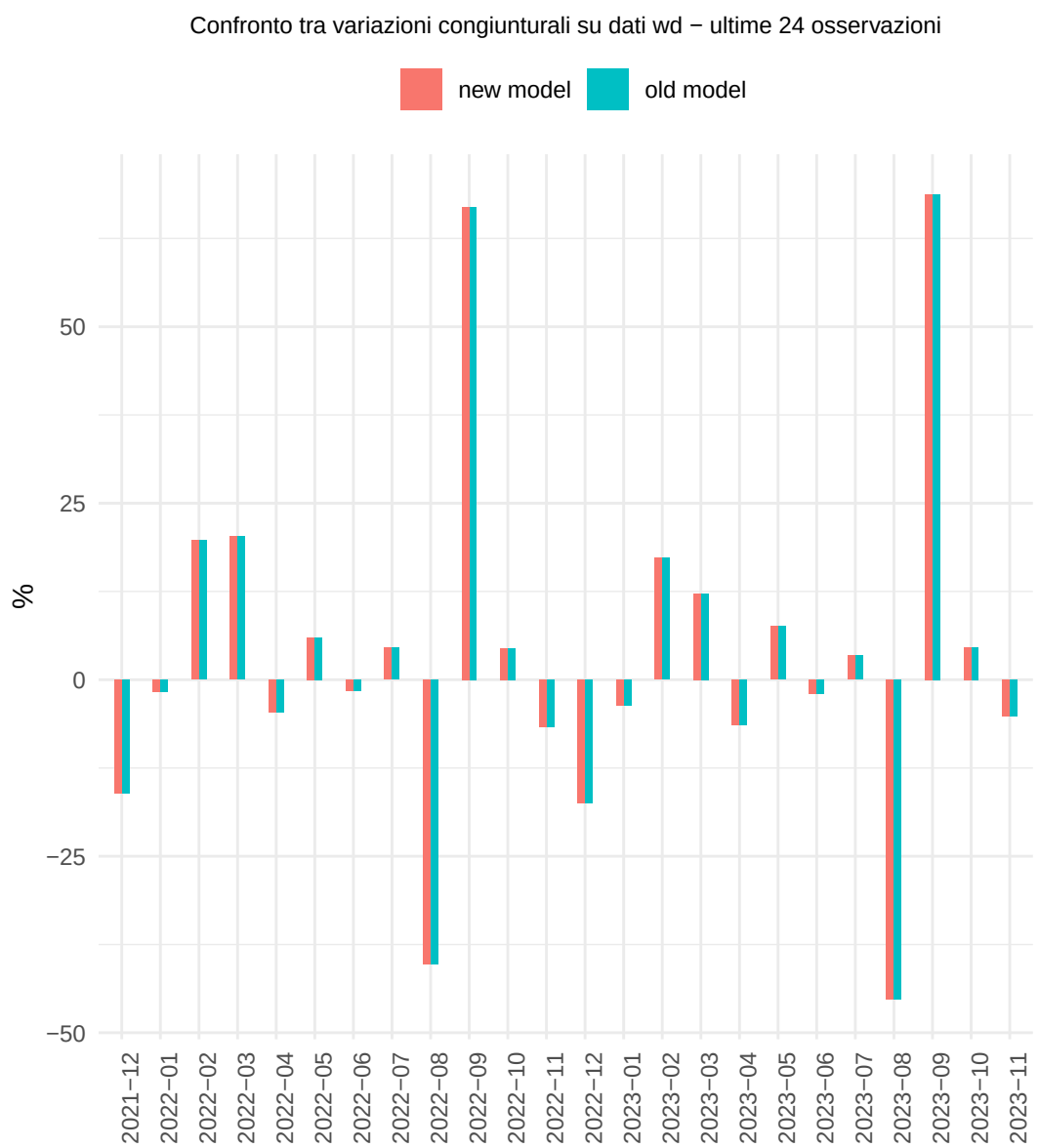
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
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−50
2021−12
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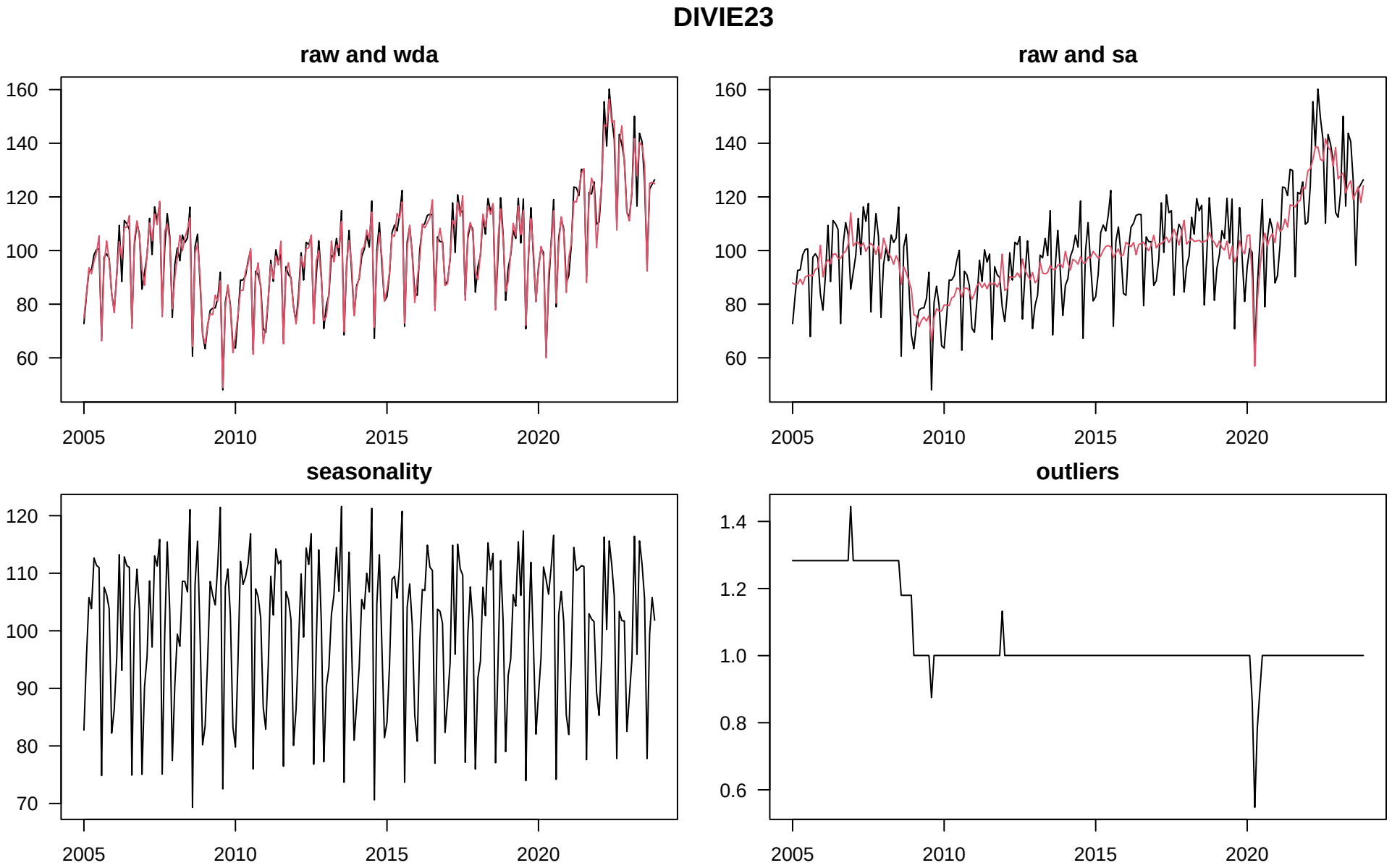
2023−10
2023−11


DIVIE23
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
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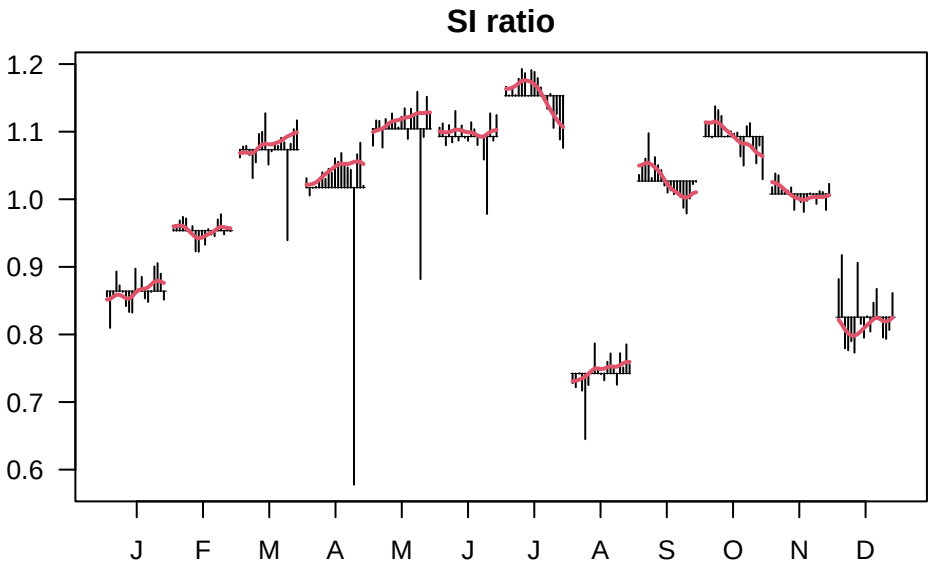
110
100
90
80
70
1.4
1.2
1.0
0.8
0.6
2005
2010
2015
2020

DIVIE23


SI ratio
1.2
1.1
1.0
0.9
0.8
0.7
0.6
J
F
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J
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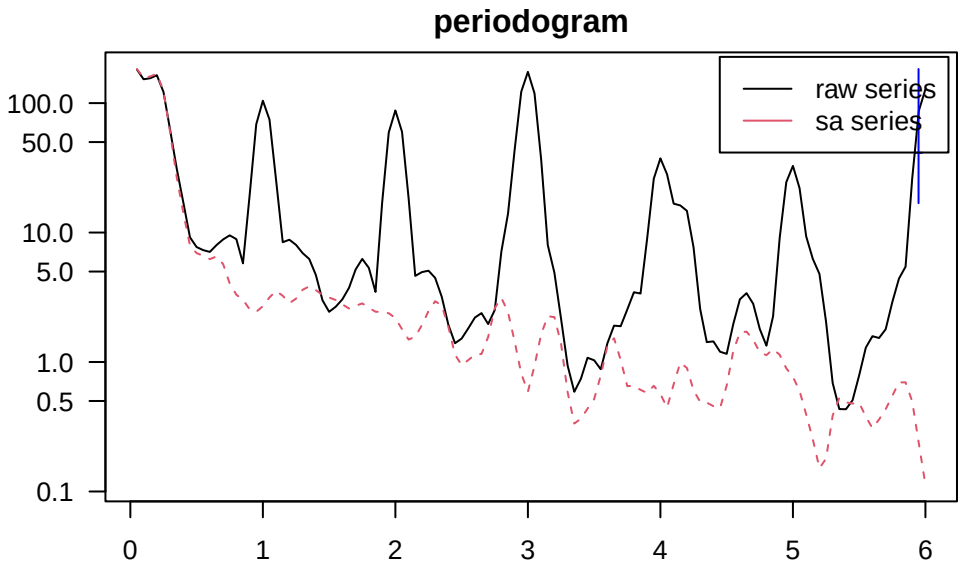
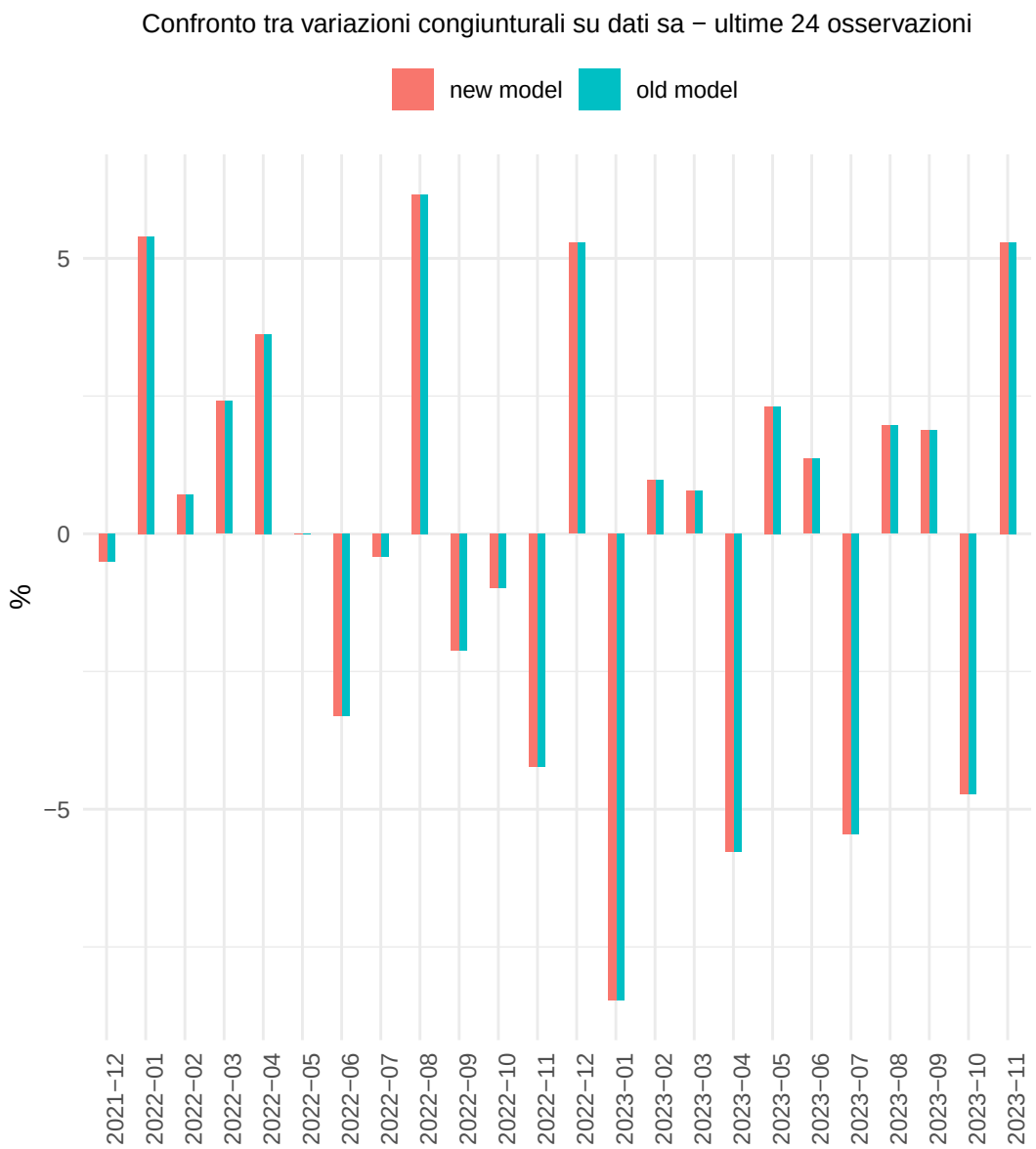

periodogram
raw series
sa series
100.0
50.0
10.0
5.0
1.0
0.5
0.1
0
1
2
3
4
5
6

DIVIE23


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
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2022−04
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2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
0
−20
2021−12
2022−01
2022−02
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2023−01
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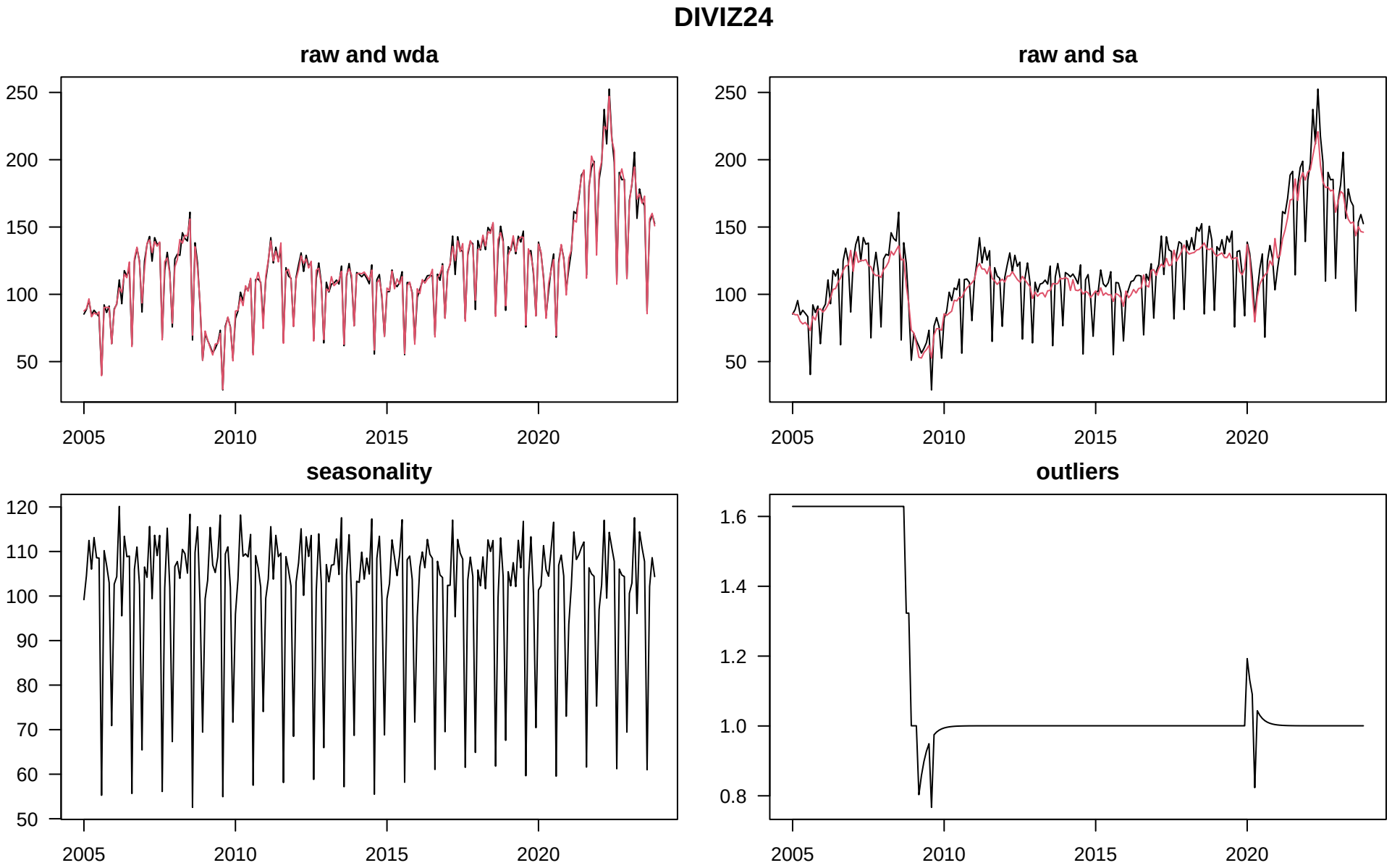
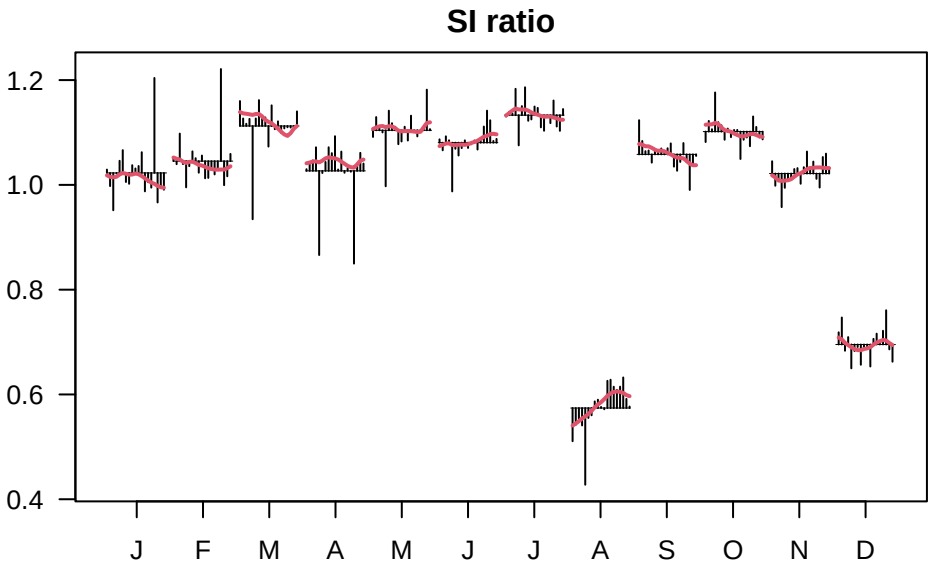
2023−11


DIVIZ24
raw and wda
raw and sa
seasonality
outliers
250
200
150
100
50
120
110
100
90
80
70
60
50
1.6
1.4
1.2
1.0
0.8
2005
2010
2015
2020

DIVIZ24


SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
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A
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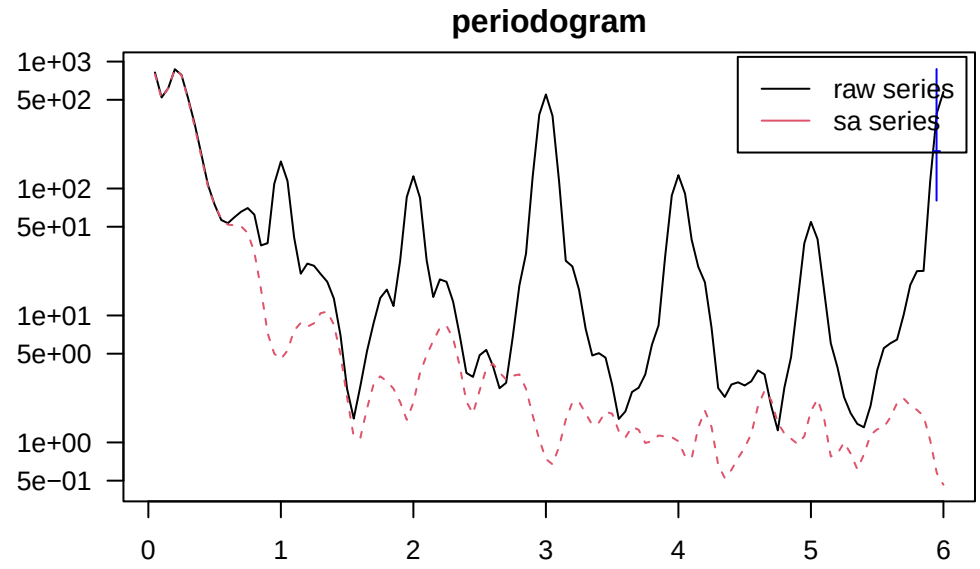
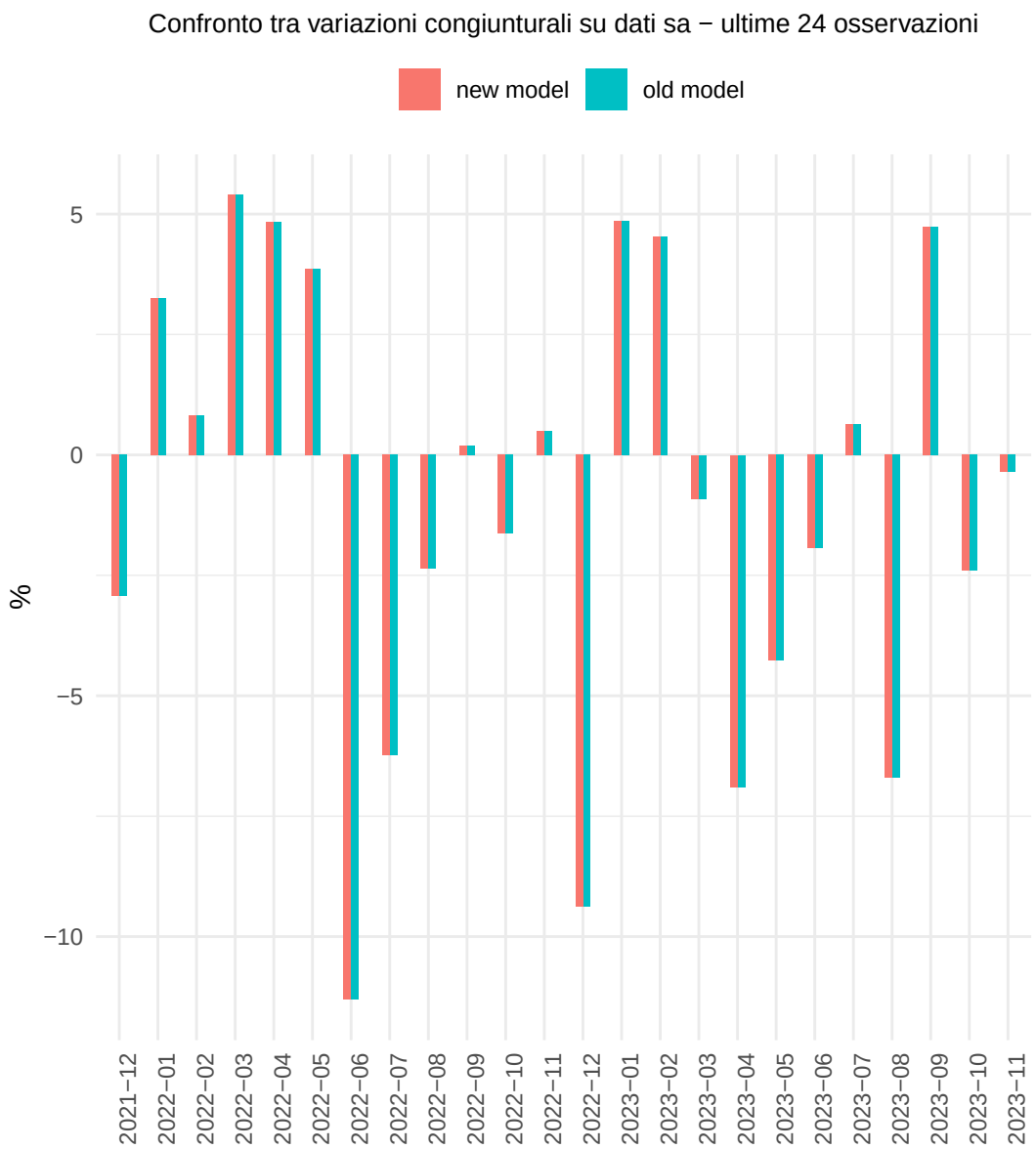
N
D


periodogram
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
raw series
sa series
0
1
2
3
4
5
6

DIVIZ24


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
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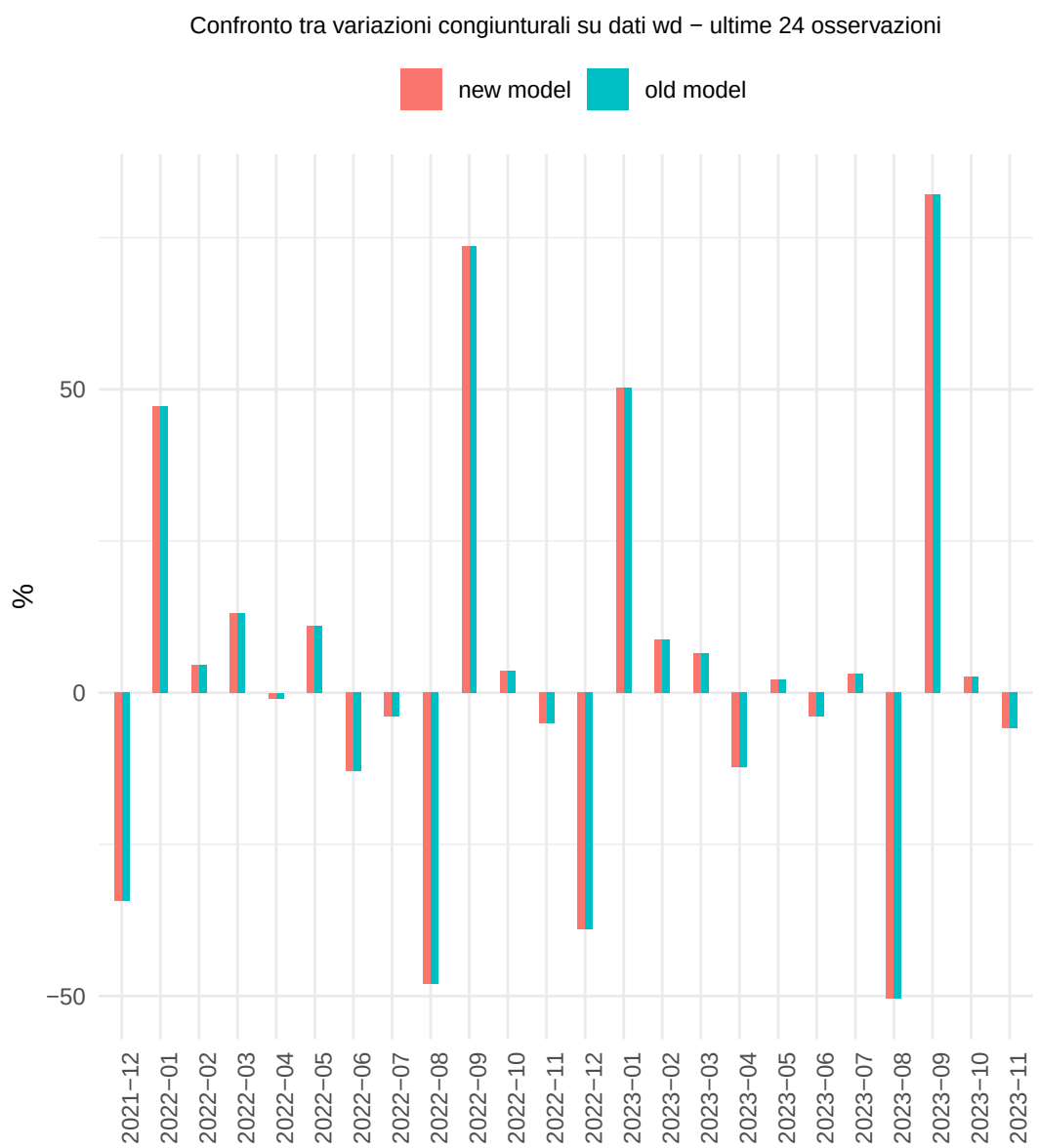
Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
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−50
2021−12
2022−01
2022−02
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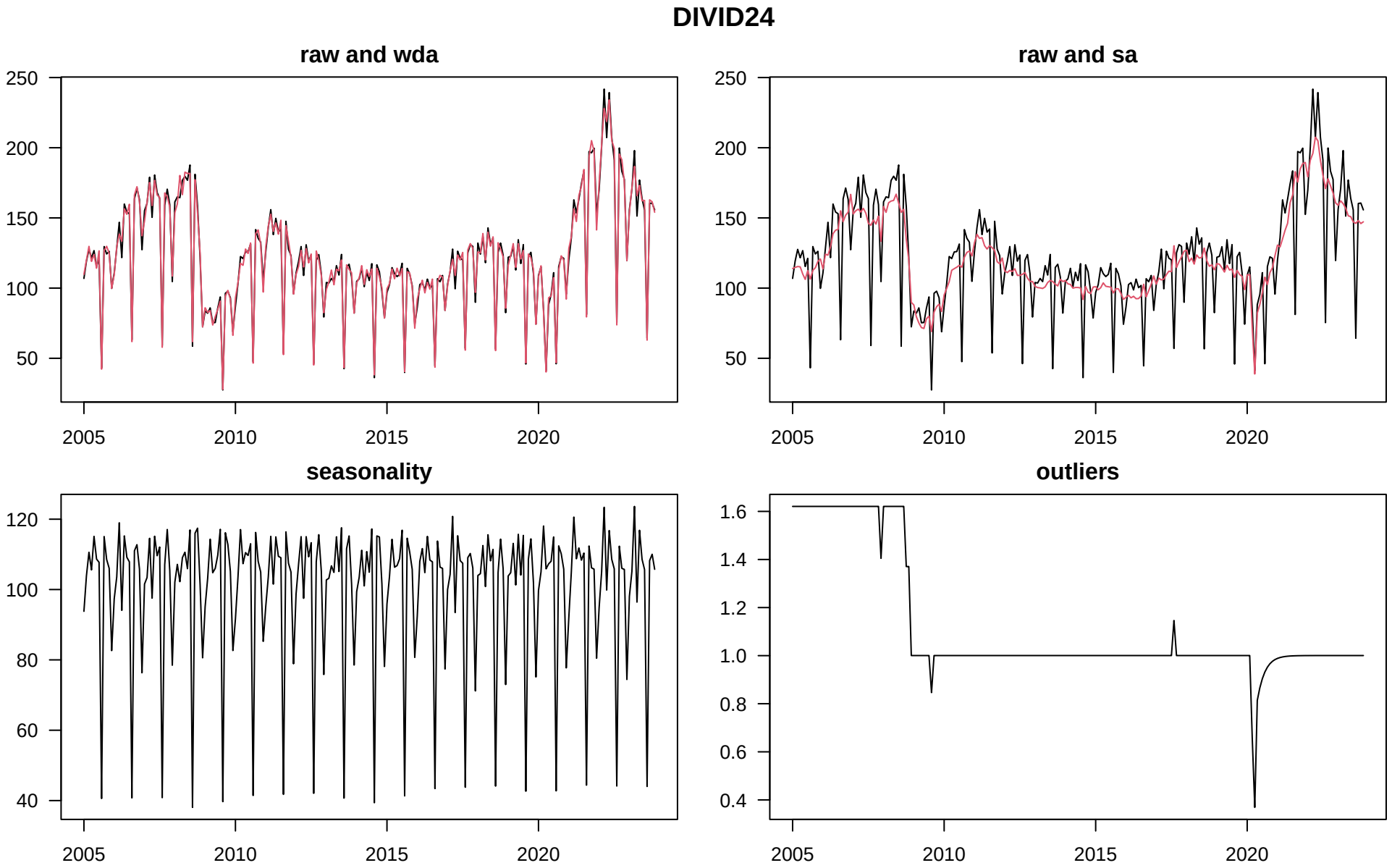
DIVID24
raw and wda
raw and sa
seasonality
outliers
250
200
150
100
50
120
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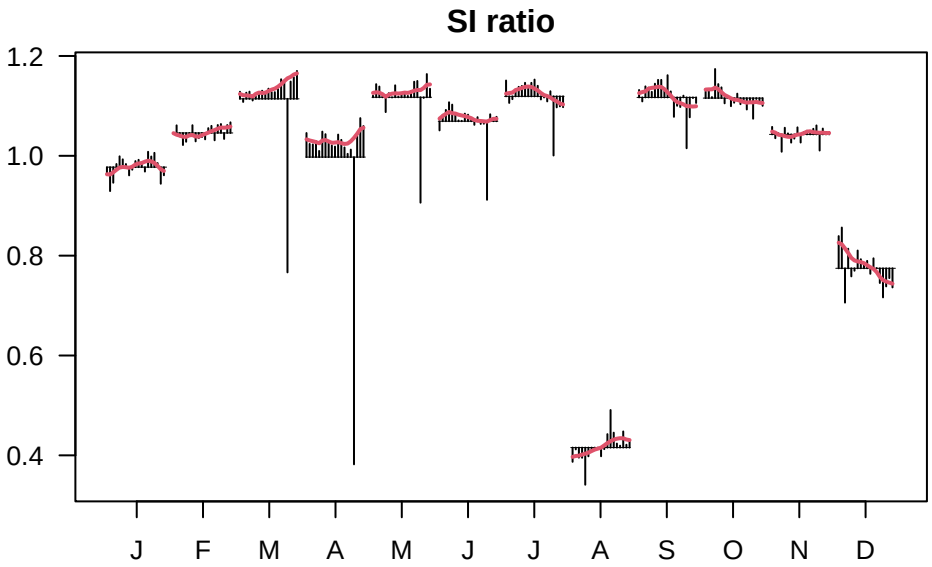
1.6
1.4
1.2
1.0
0.8
0.6
0.4
2005
2010
2015
2020

DIVID24


SI ratio
1.2
1.0
0.8
0.6
0.4
J
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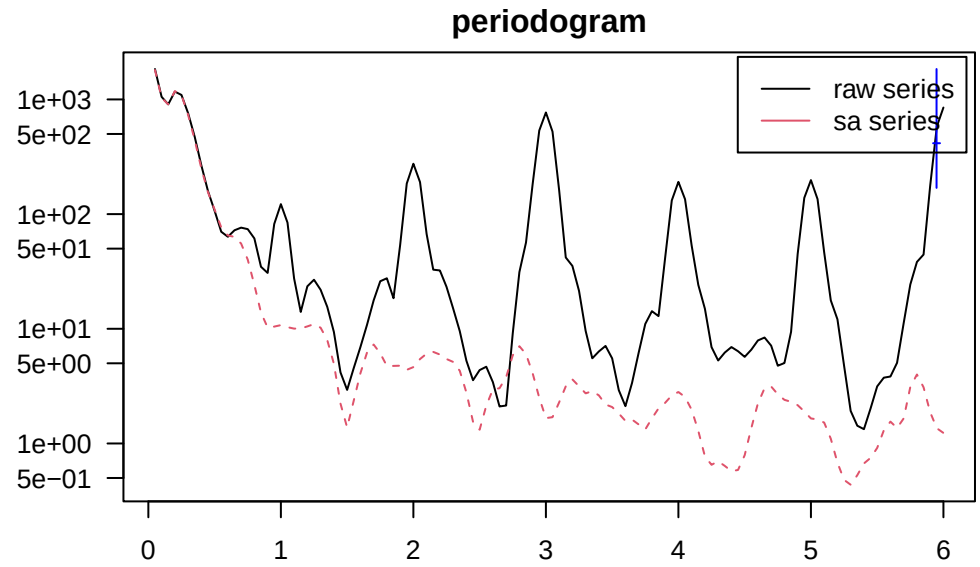
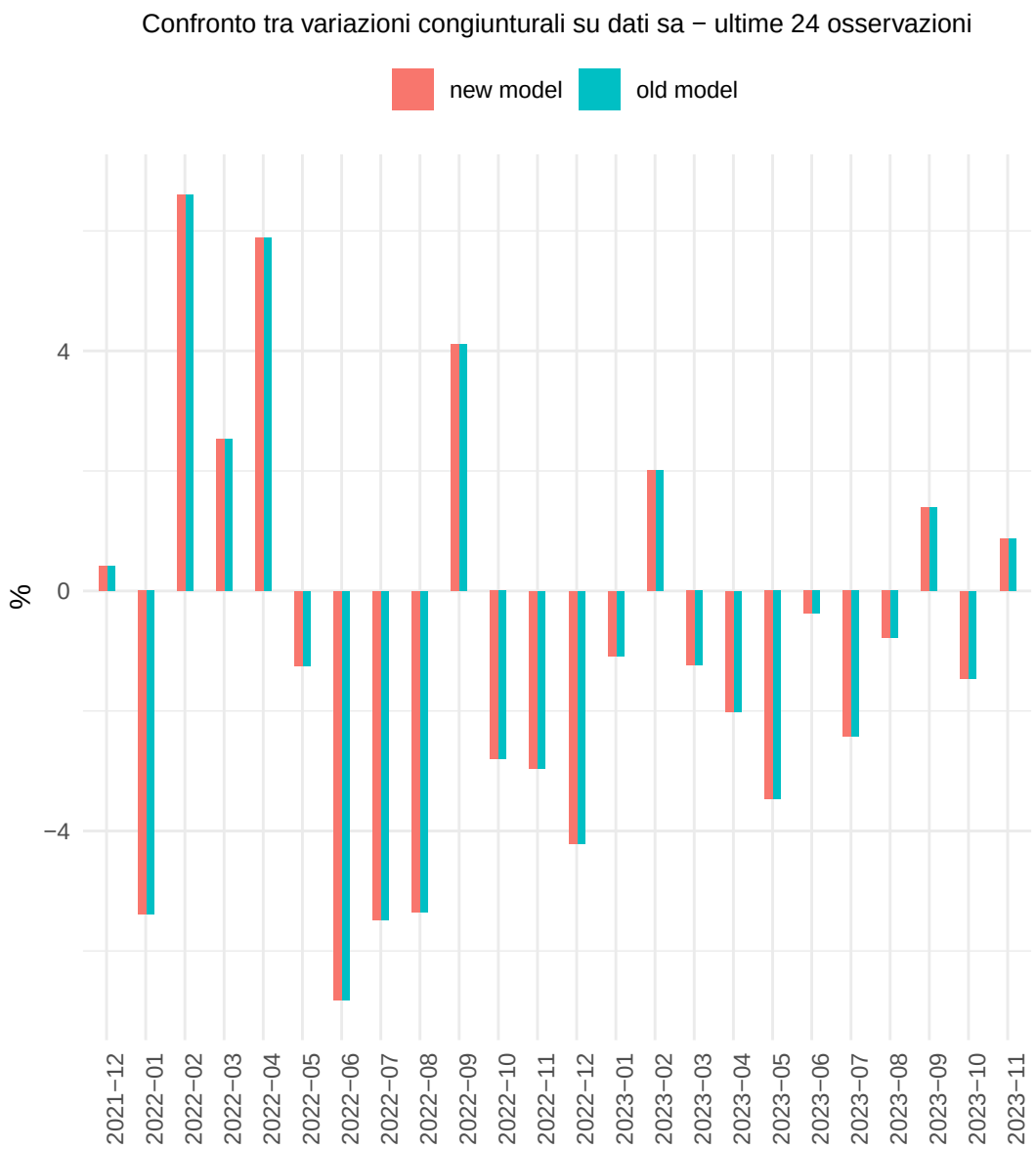

periodogram
raw series
sa series
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
0
1
2
3
4
5
6

DIVID24


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
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2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
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100
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2021−12
2022−01
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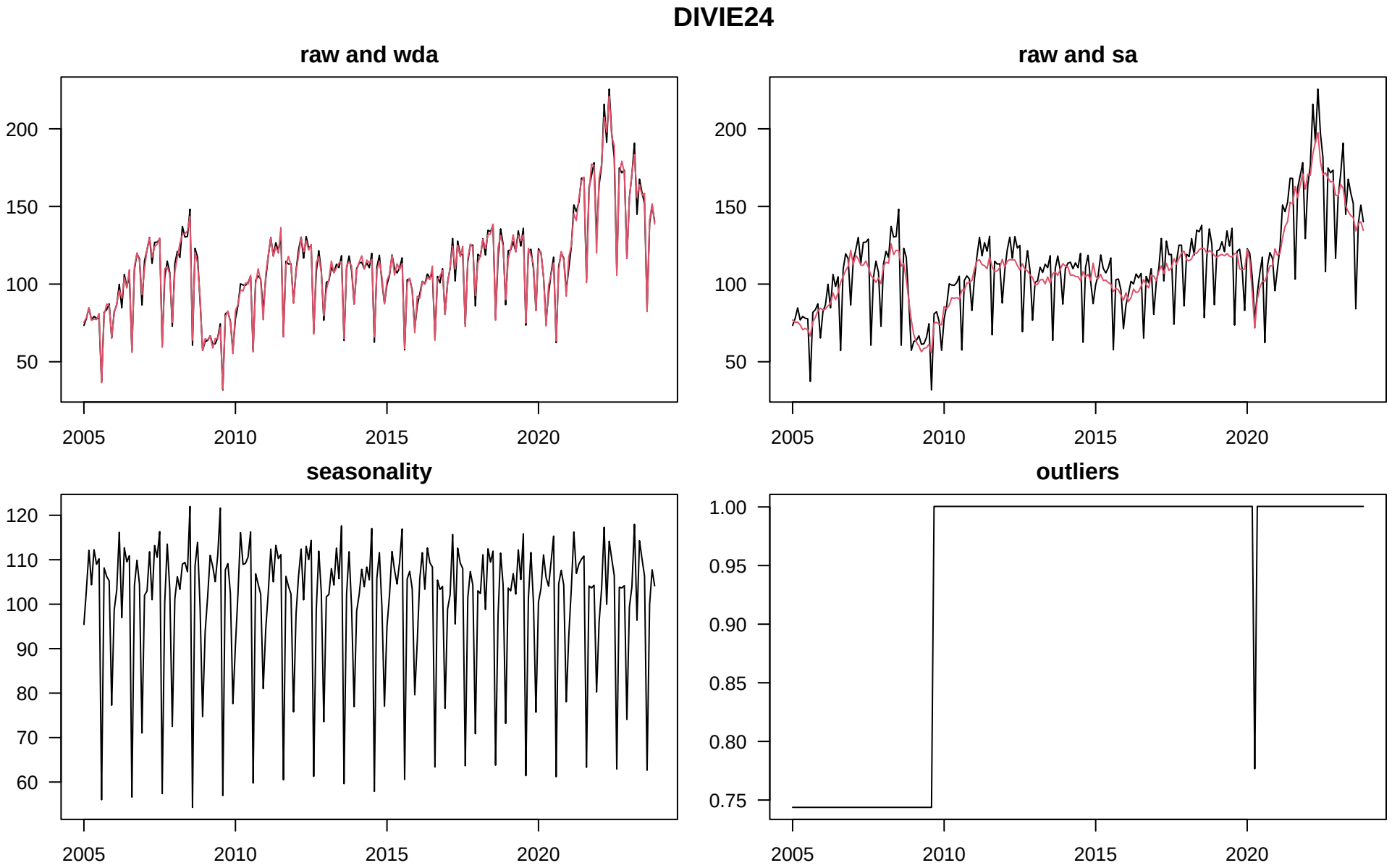
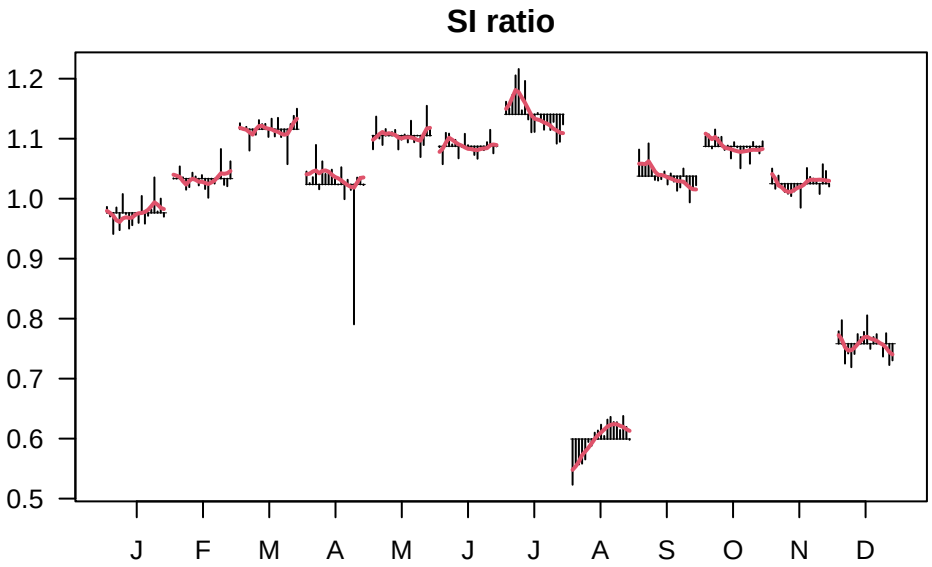
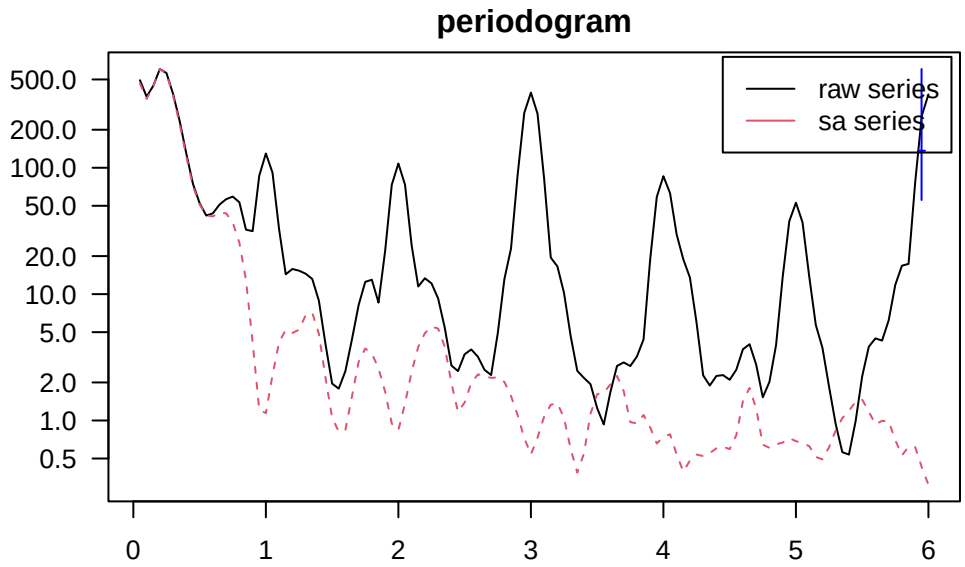
2023−10
2023−11


DIVIE24
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
120
110
90
80
70
60
1.00
0.95
0.90
0.85
0.80
0.75
2005
2010
2015
2020

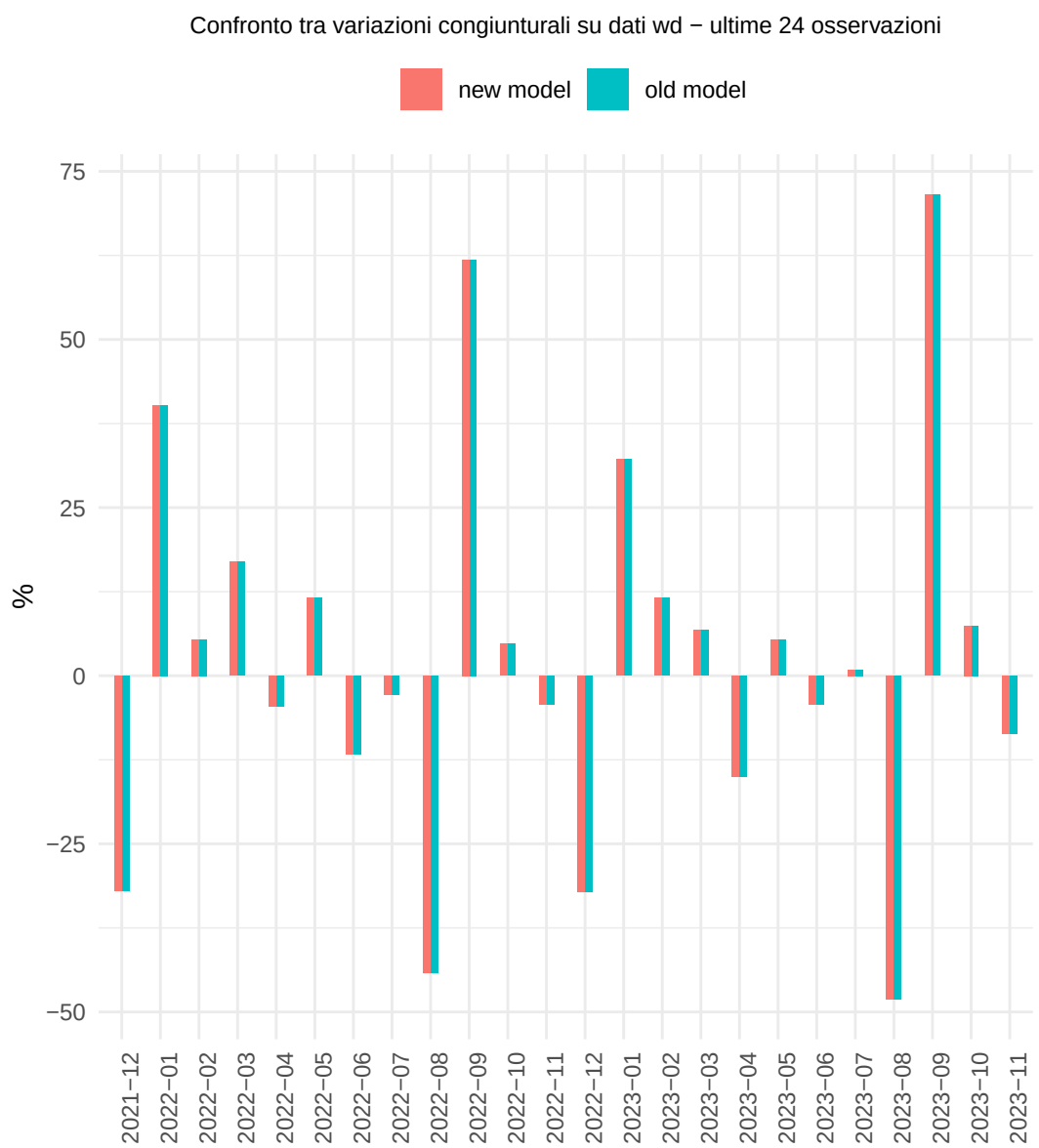
DIVIE24

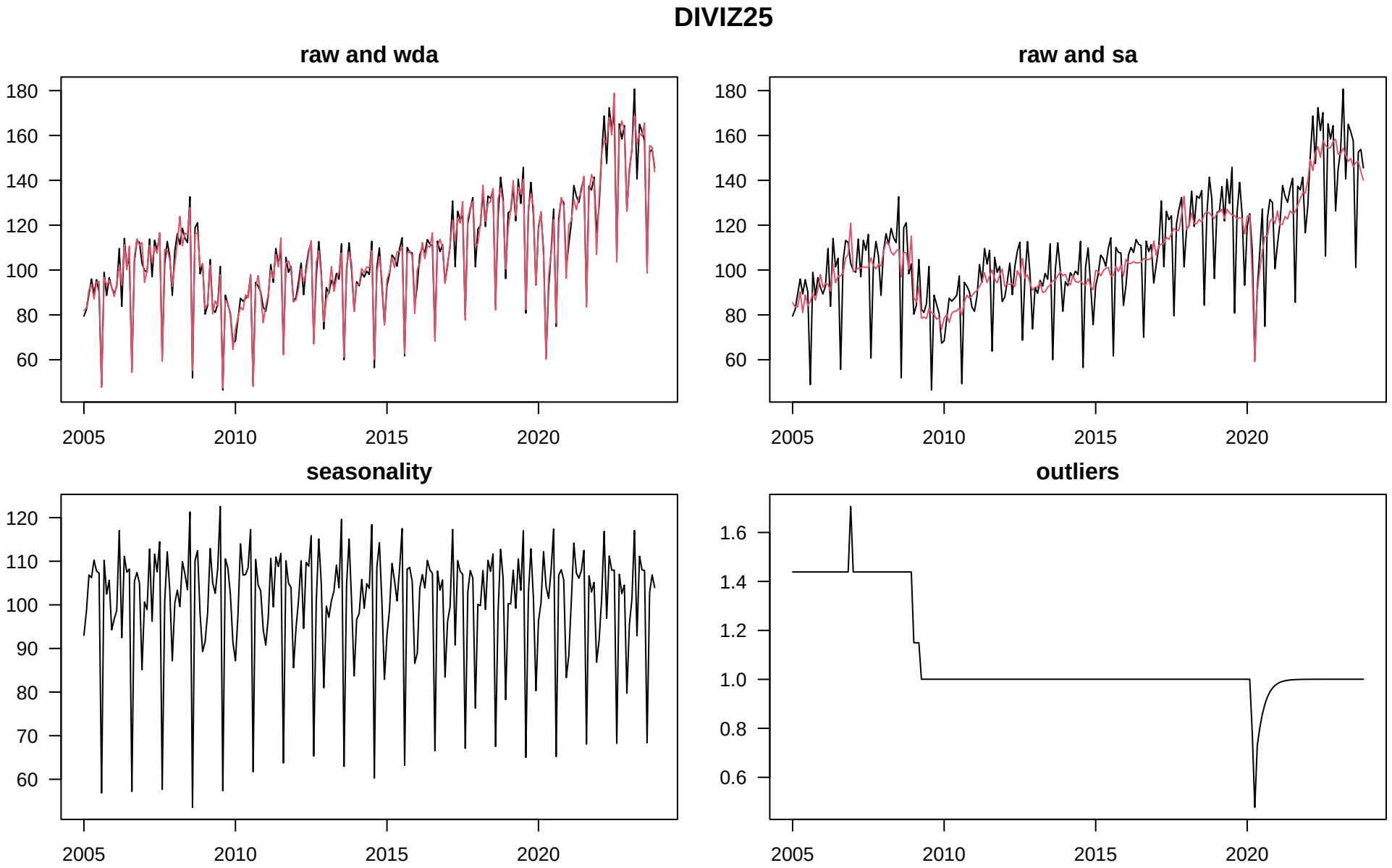

SI ratio
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
3
4
5
6

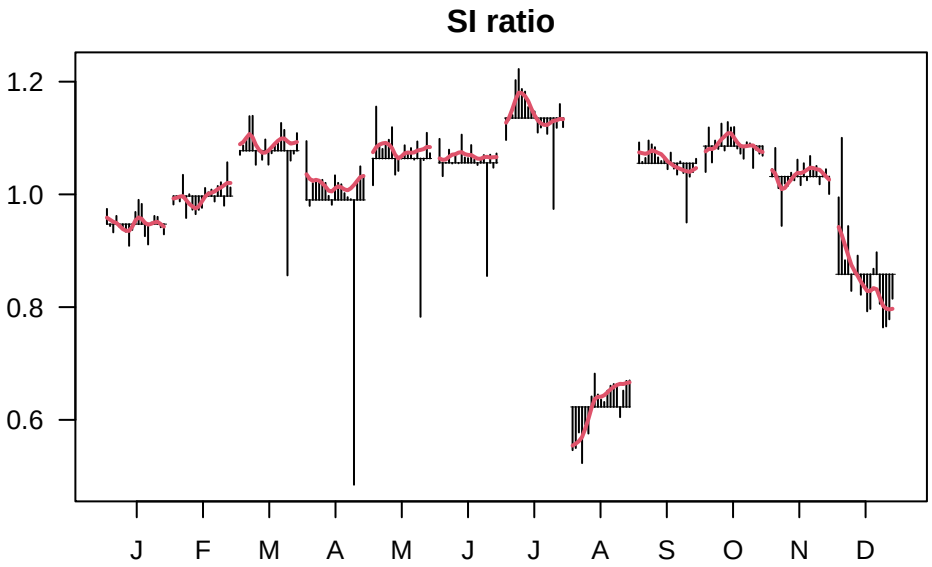
DIVIE24

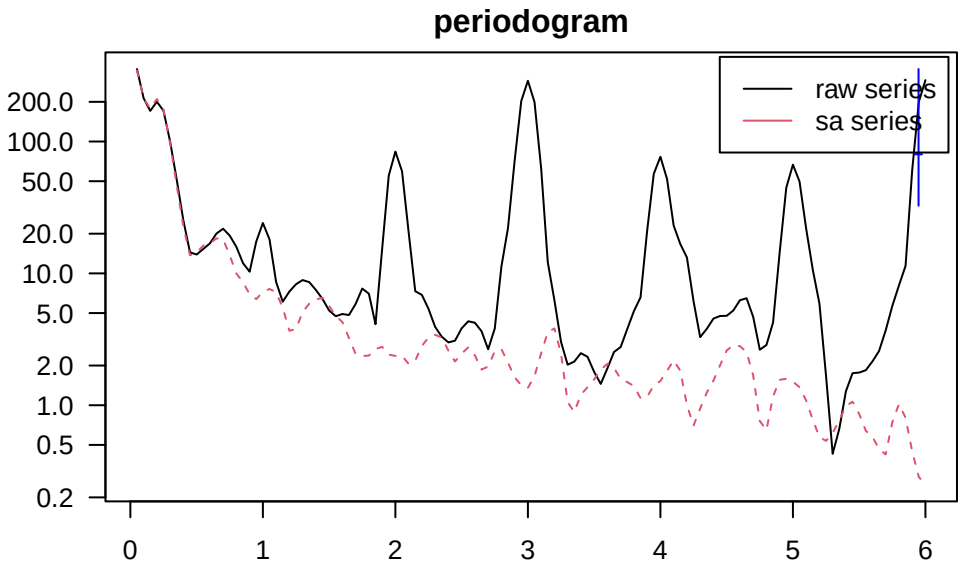
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
75
50
25
0
−25
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIZ25
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
2005
2010
2015
2020
120
110
100
90
80
70
60
1.6
1.4
1.2
1.0
0.8
0.6

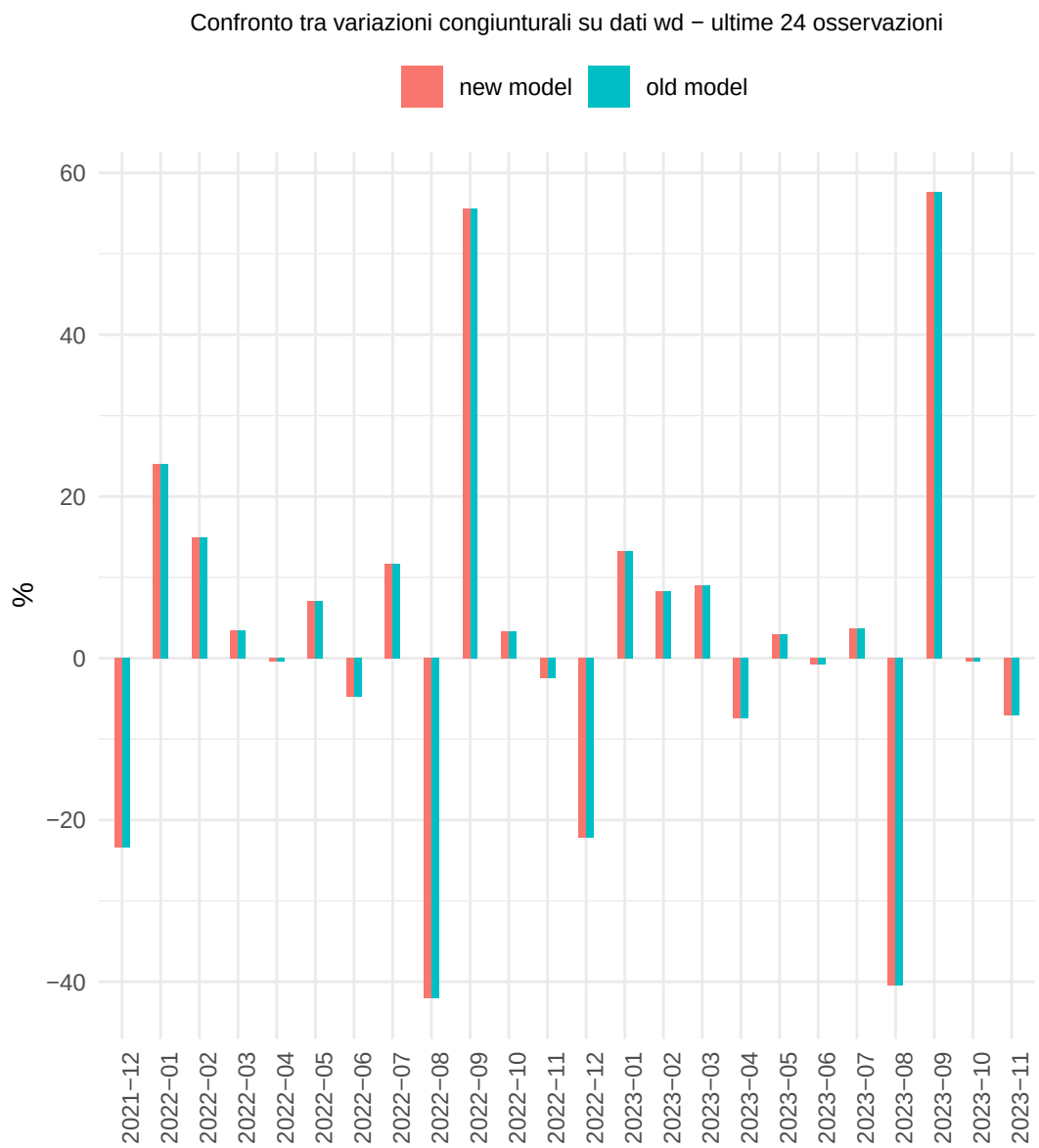
DIVIZ25

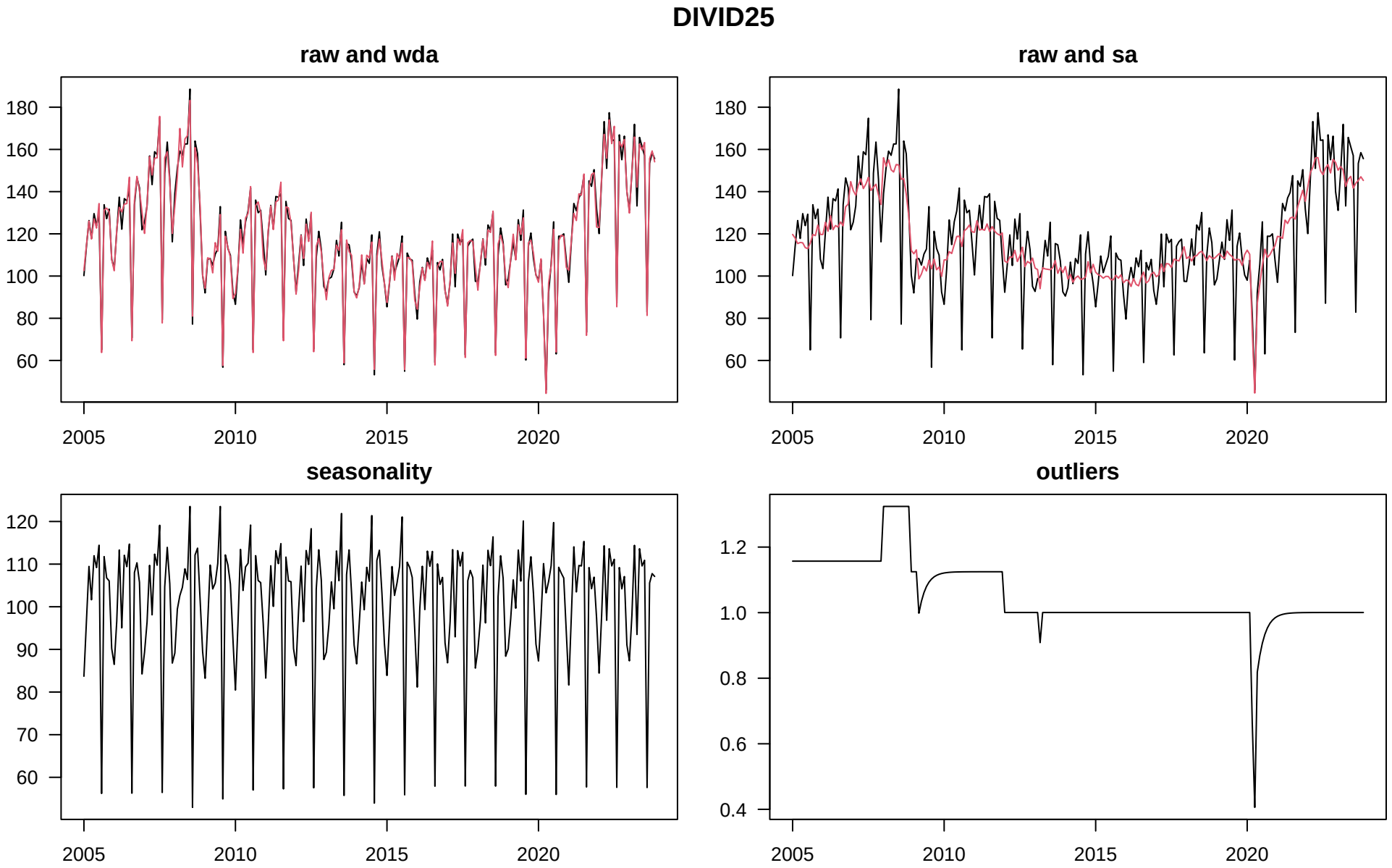

SI ratio
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6

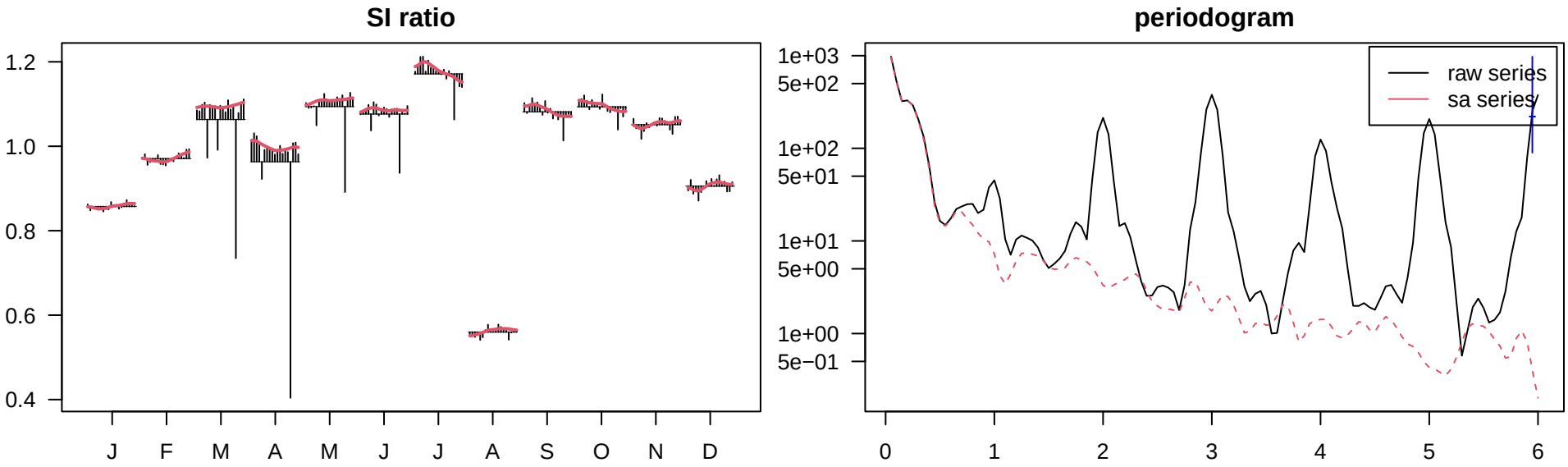
DIVIZ25

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5.0
2.5
0.0
−2.5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
60
40
20
0
−20
−40
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

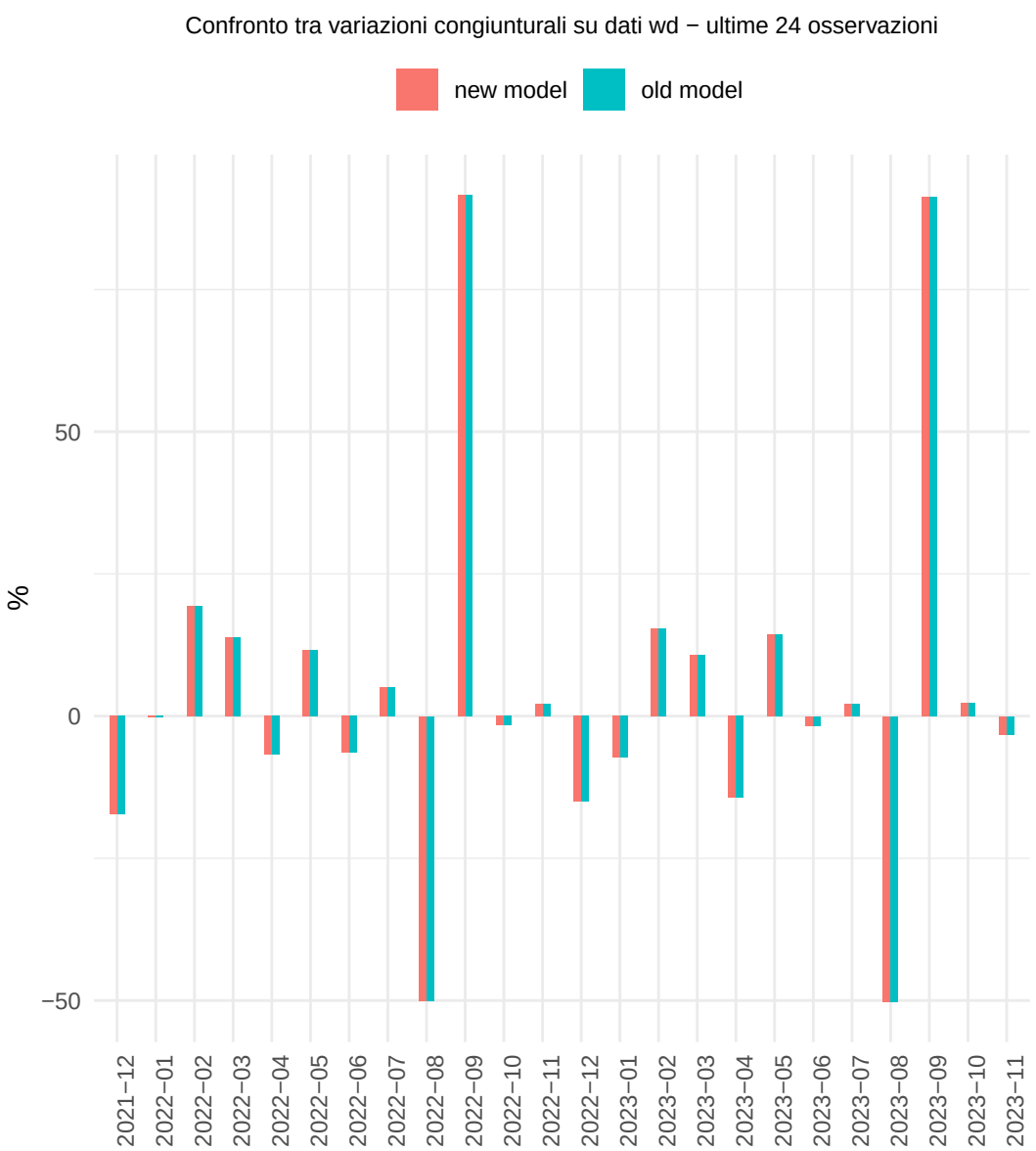

DIVID25
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
120
110
100
90
80
70
60
1.2
1.0
0.8
0.6
0.4
2005
2010
2015
2020

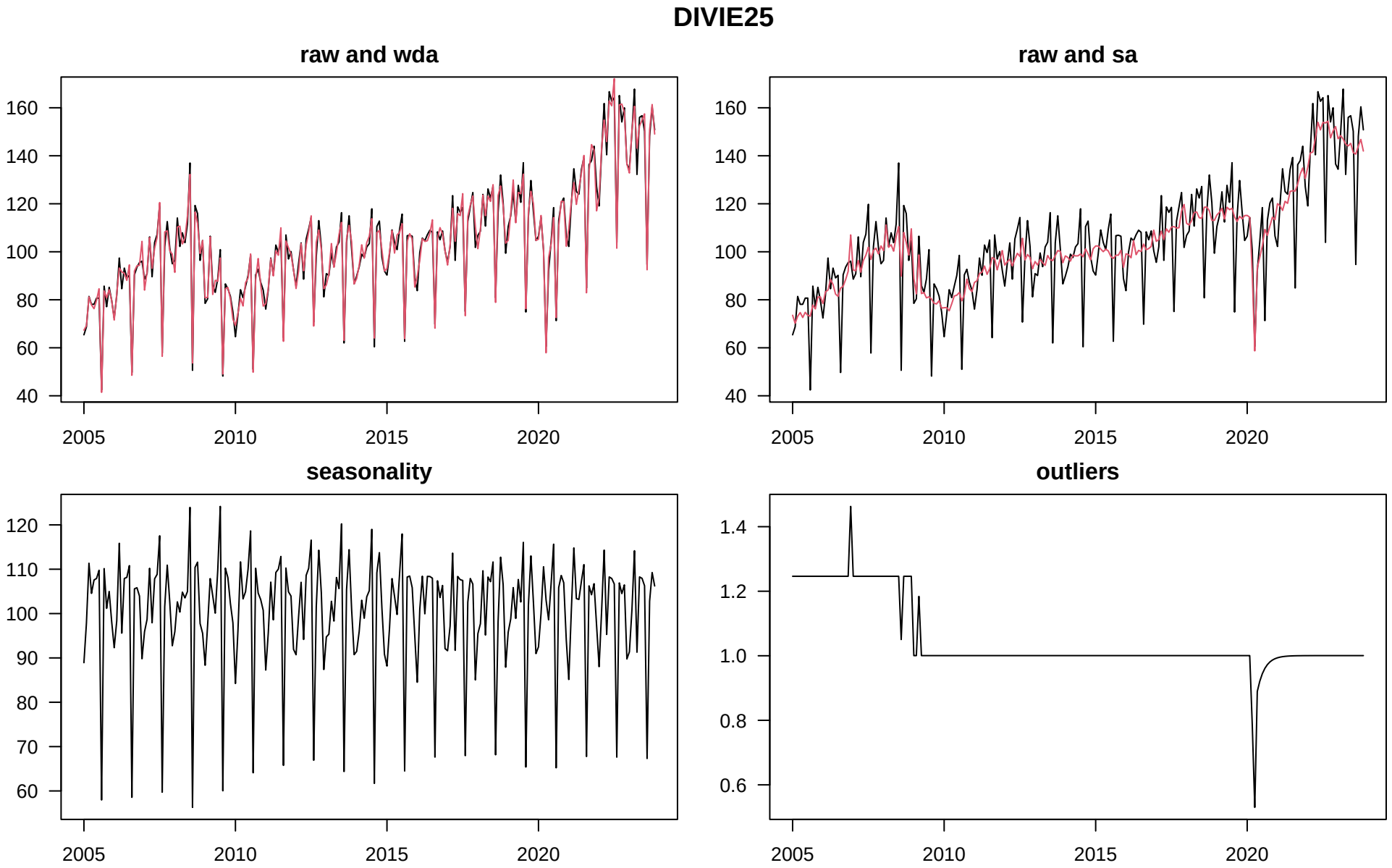
DIVID25


SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
raw series
sa series
0
1
2
3
4
5
6

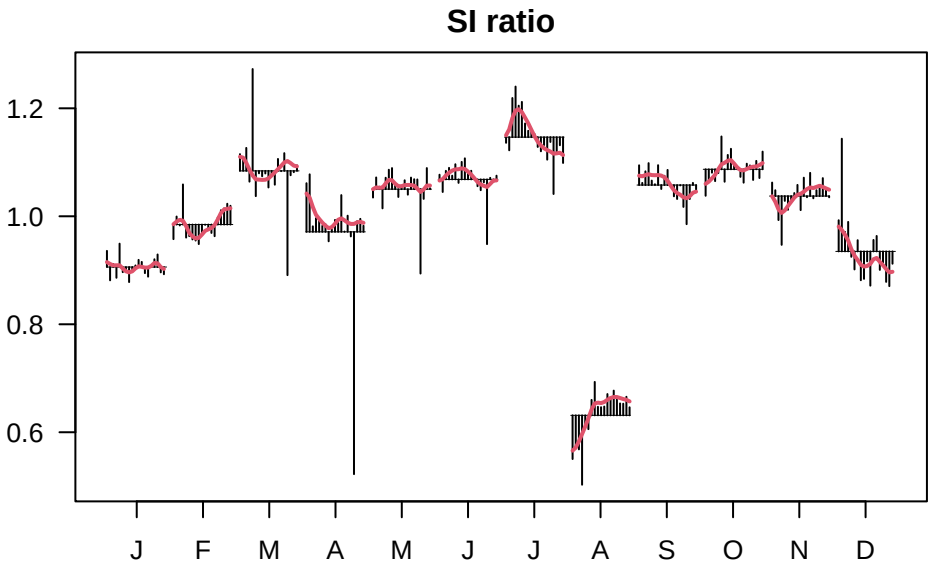
DIVID25

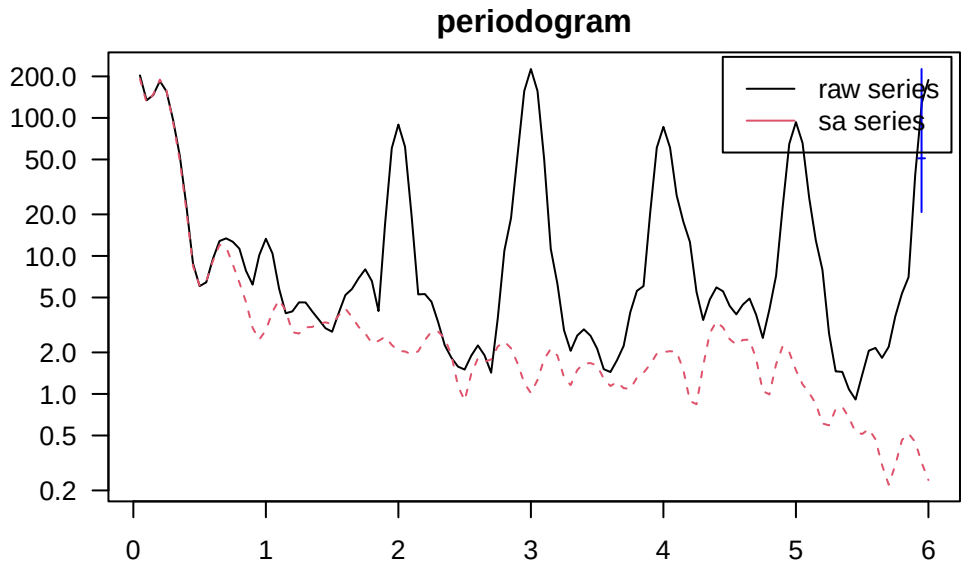
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
3
0
−3
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIE25
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
2005
2010
2015
2020
120
110
100
90
80
70
60
1.4
1.2
1.0
0.8
0.6

DIVIE25

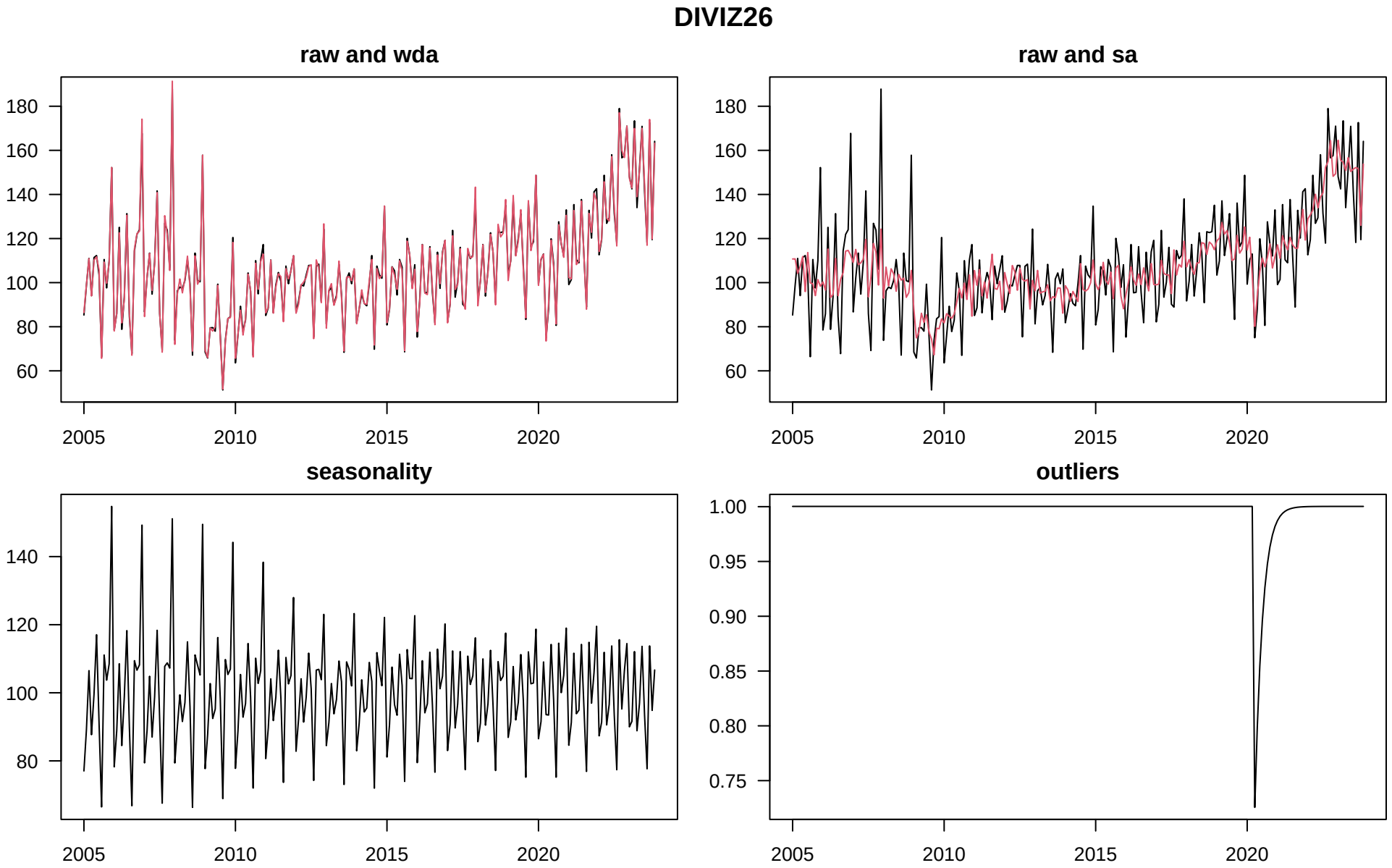

SI ratio
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6
raw series
sa series

DIVIE25

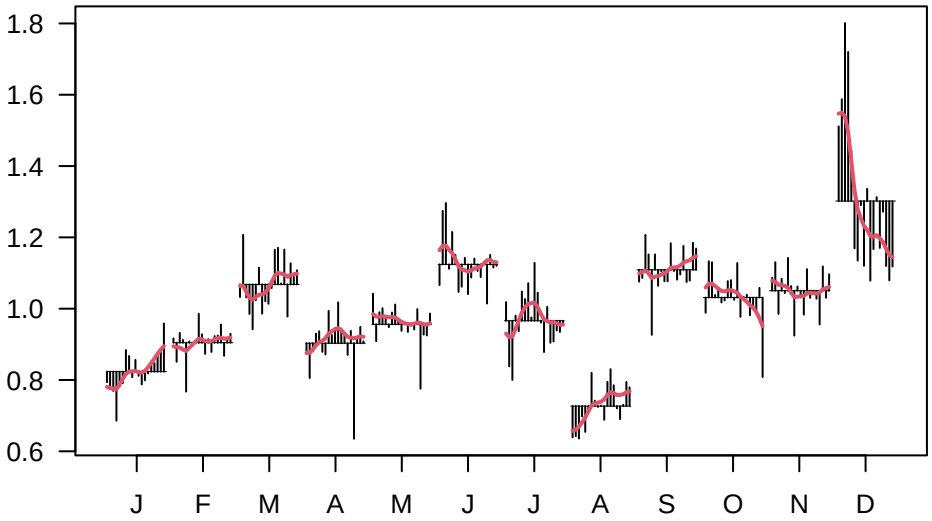
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2.5
0.0
−2.5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
25
0
−25
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

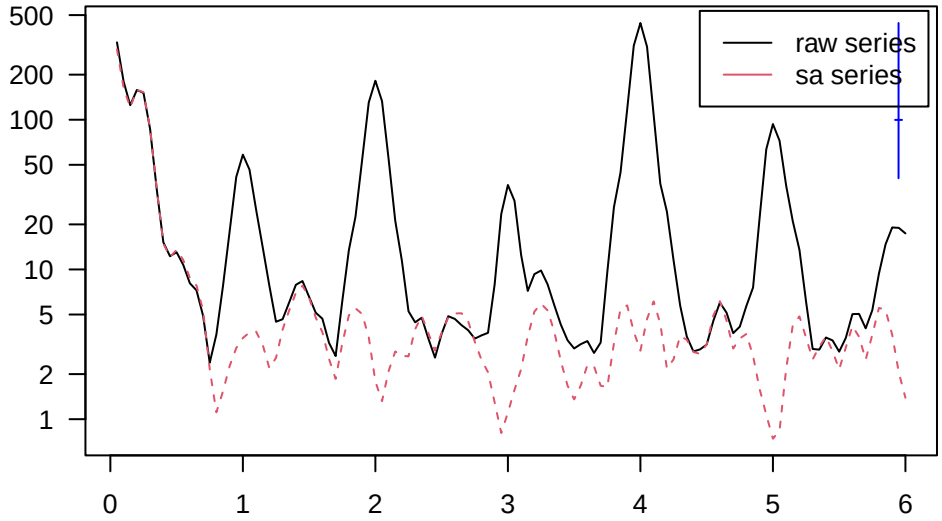

DIVIZ26
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
1.00
0.95
0.90
0.85
0.80
0.75
2005
2010
2015
2020

DIVIZ26

SI ratio



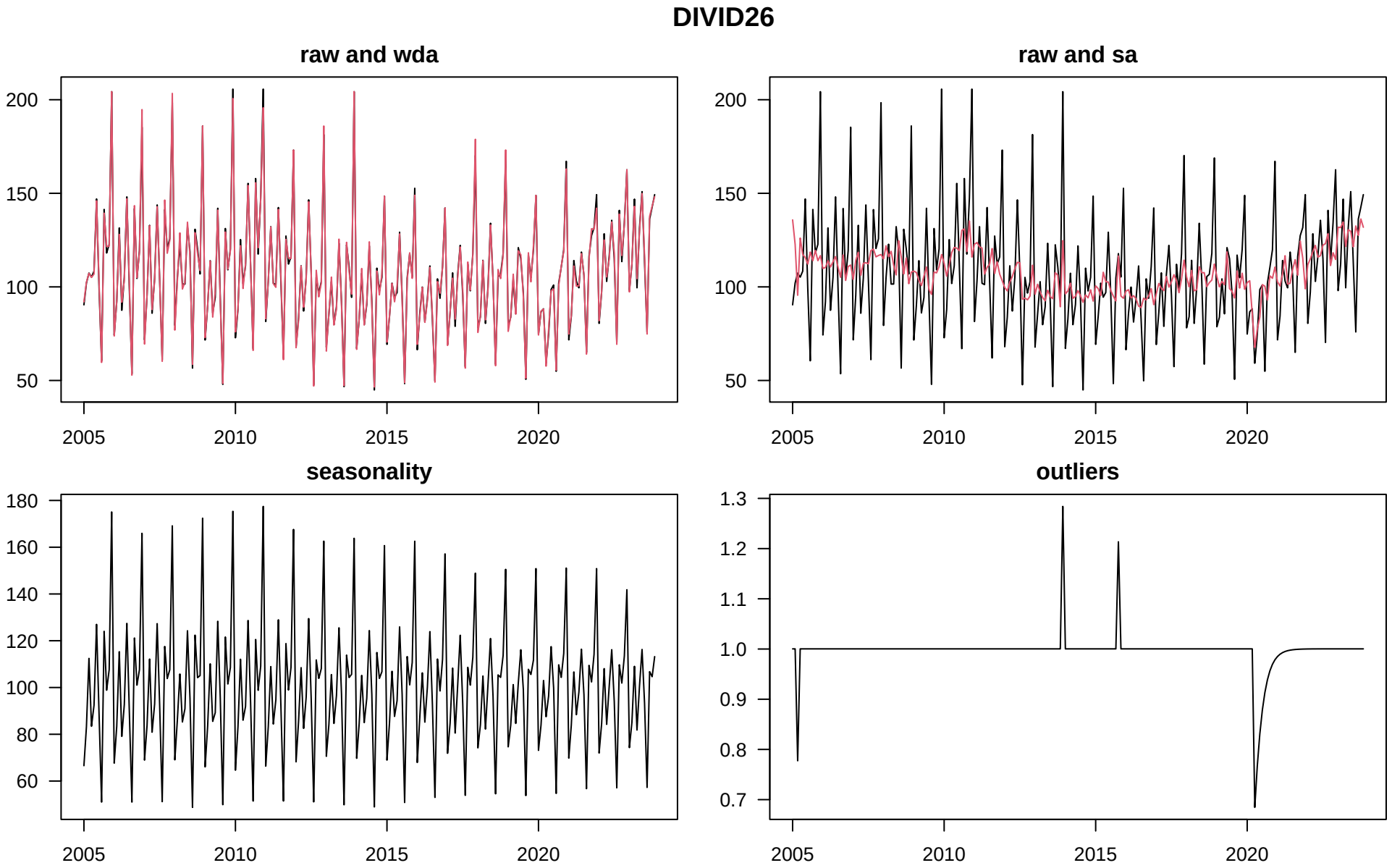
periodogram

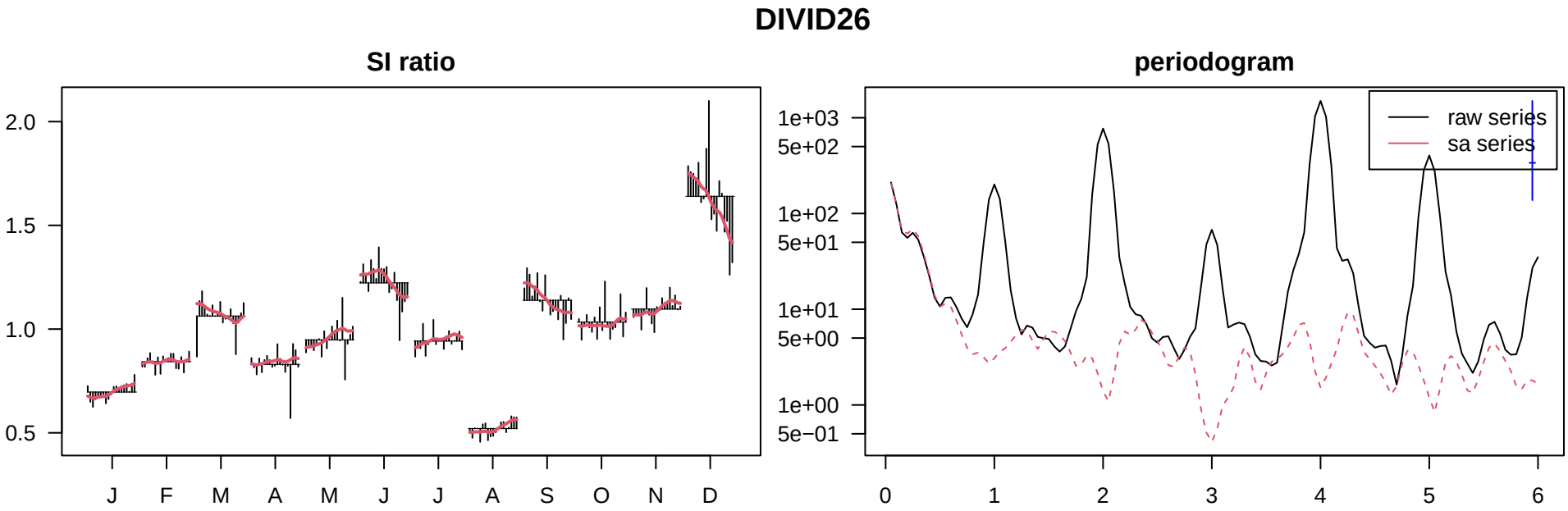


DIVIZ26

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

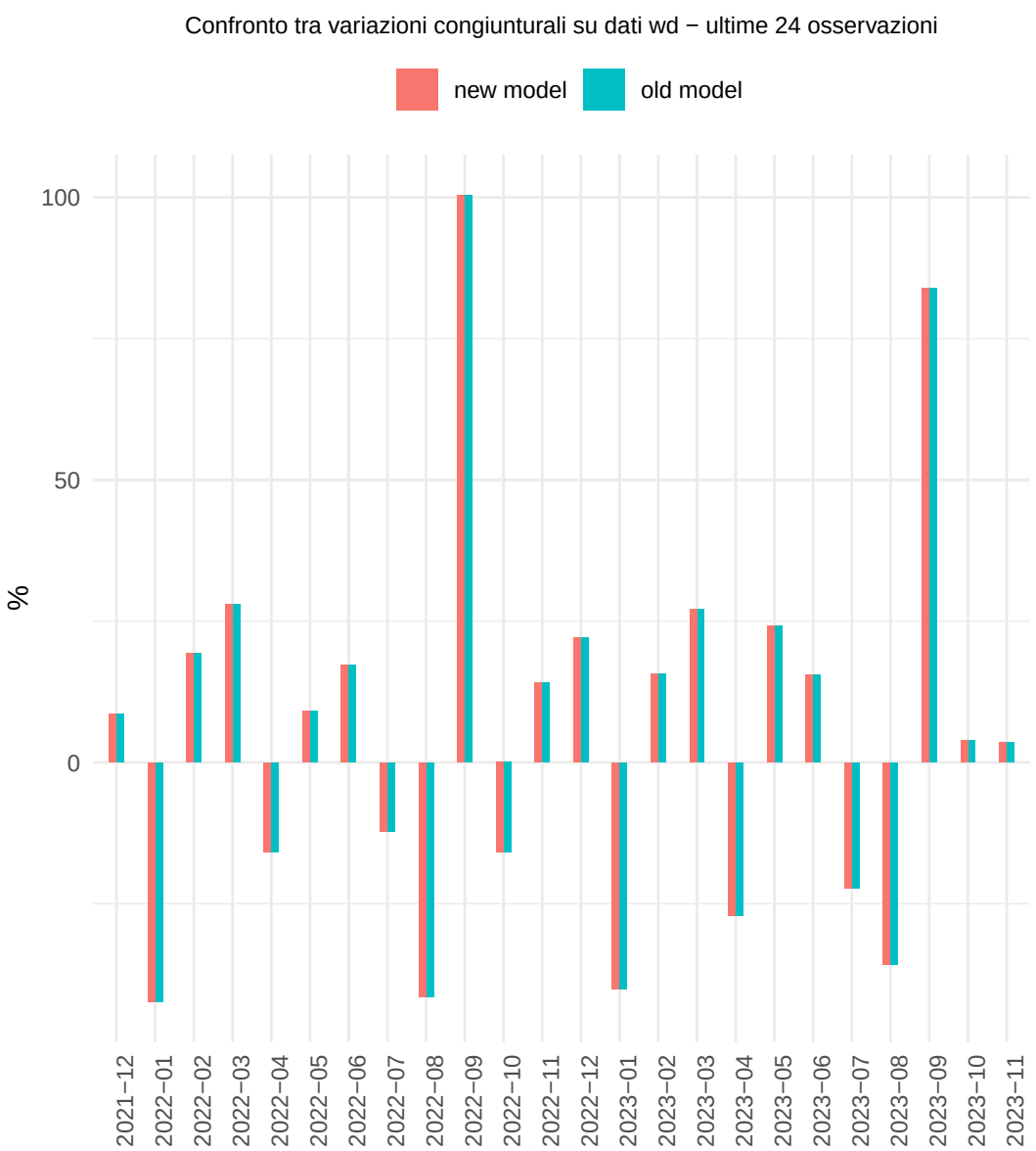
Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

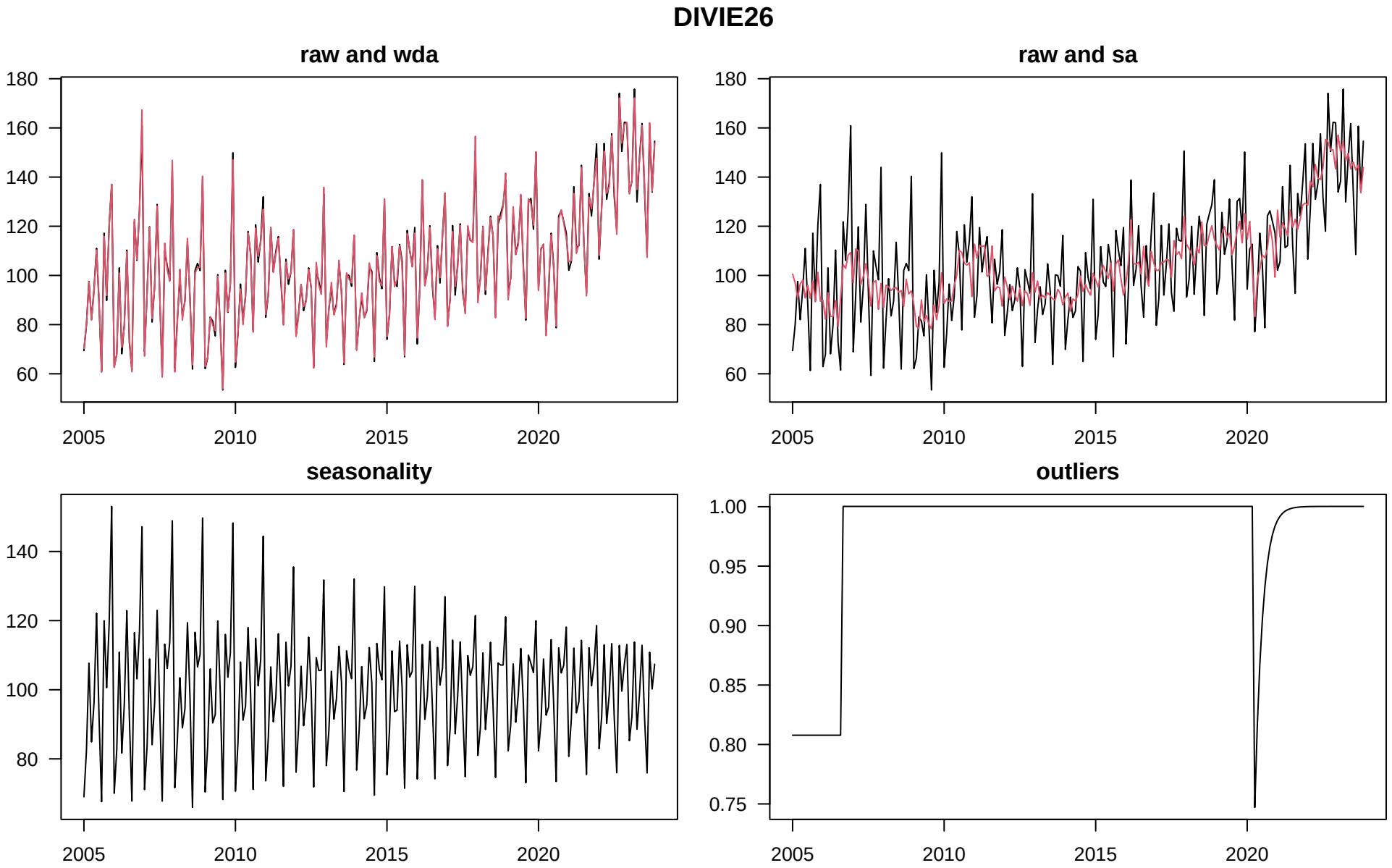

DIVID26
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
180
160
140
120
100
80
60
1.3
1.2
1.1
1.0
0.9
0.8
0.7
2005
2010
2015
2020


DIVID26
SI ratio
2.0
1.5
1.0
0.5
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
raw series
sa series
0
1
2
3
4
5
6

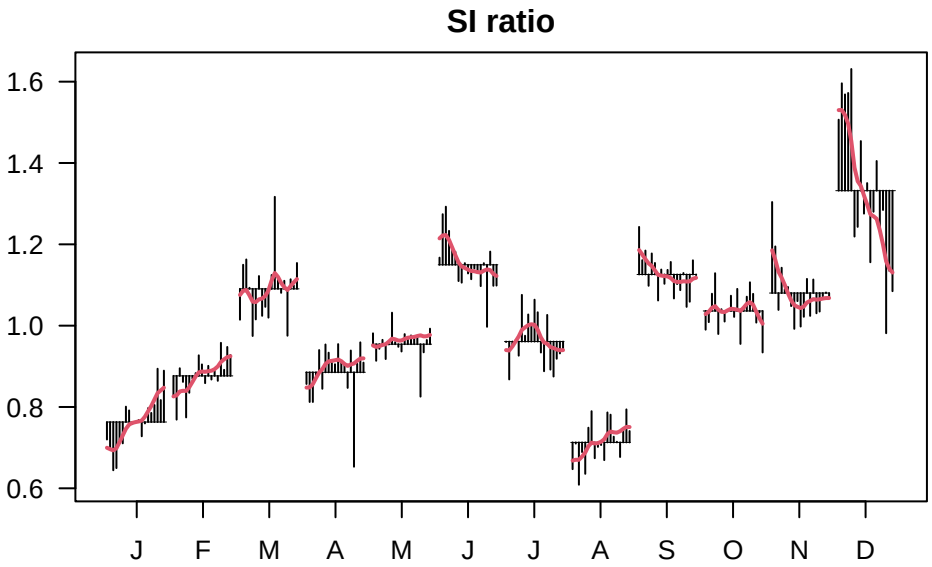
DIVID26

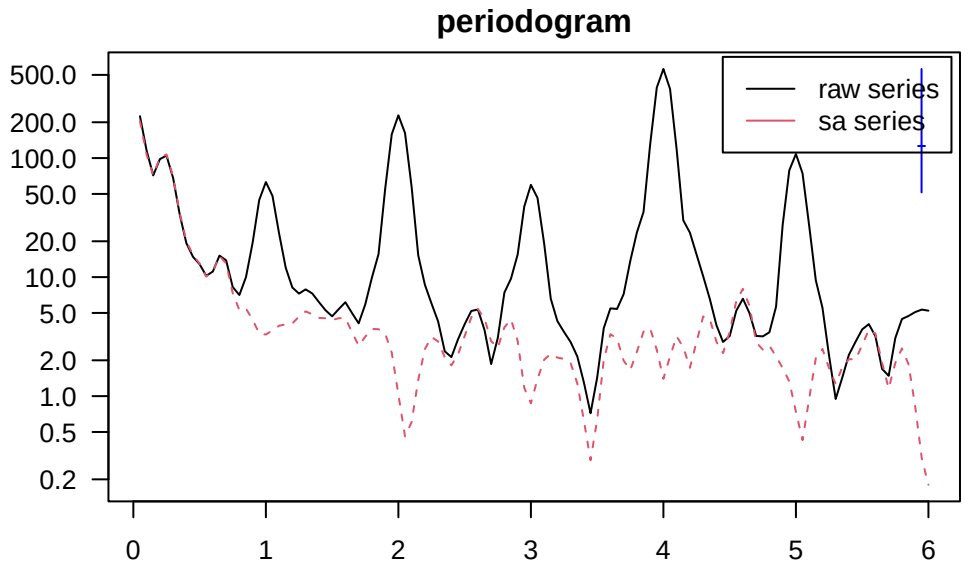
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
100
50
0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIE26
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
1.00
0.95
0.90
0.85
0.80
0.75
2005
2010
2015
2020

DIVIE26

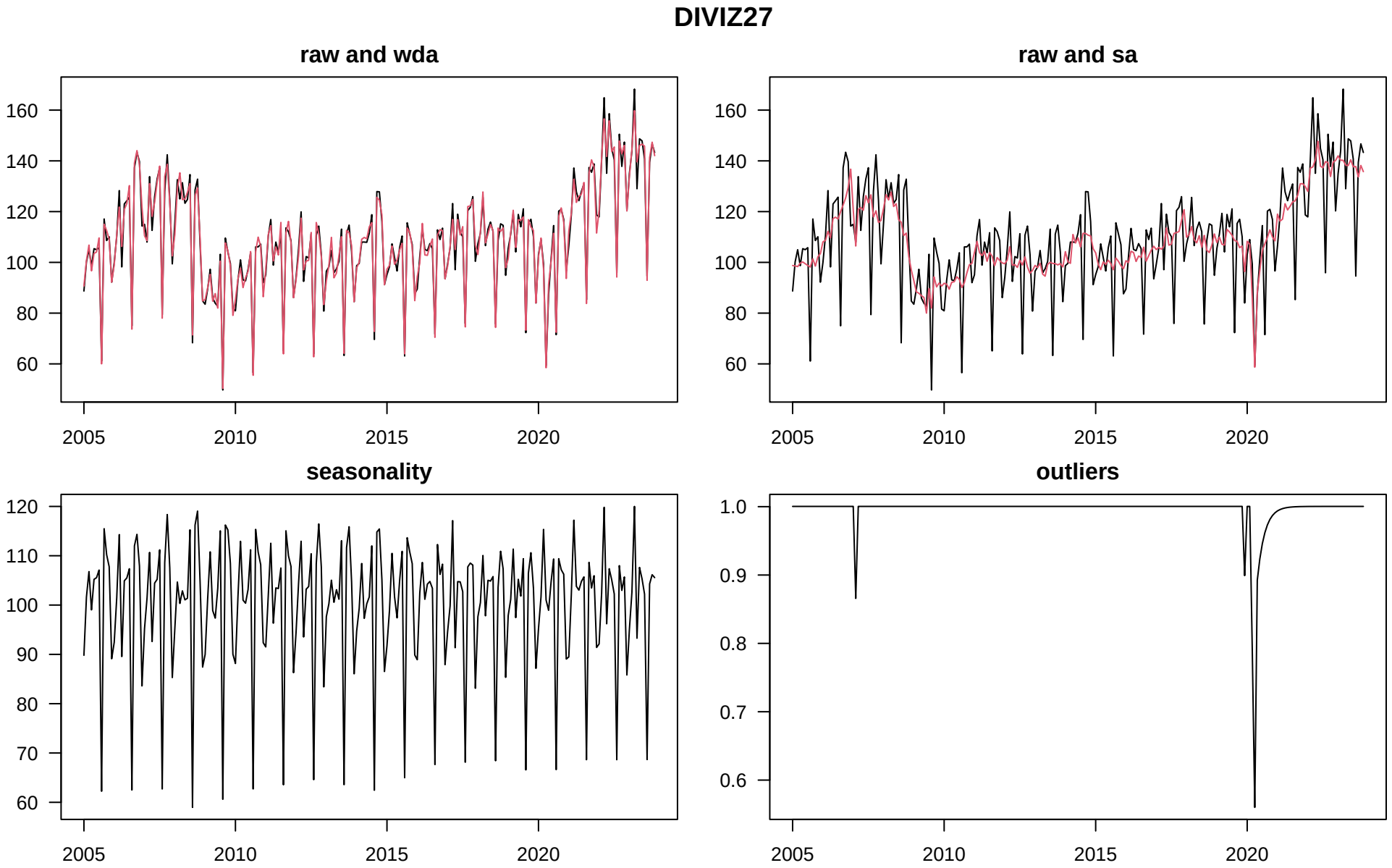

SI ratio
1.6
1.4
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6

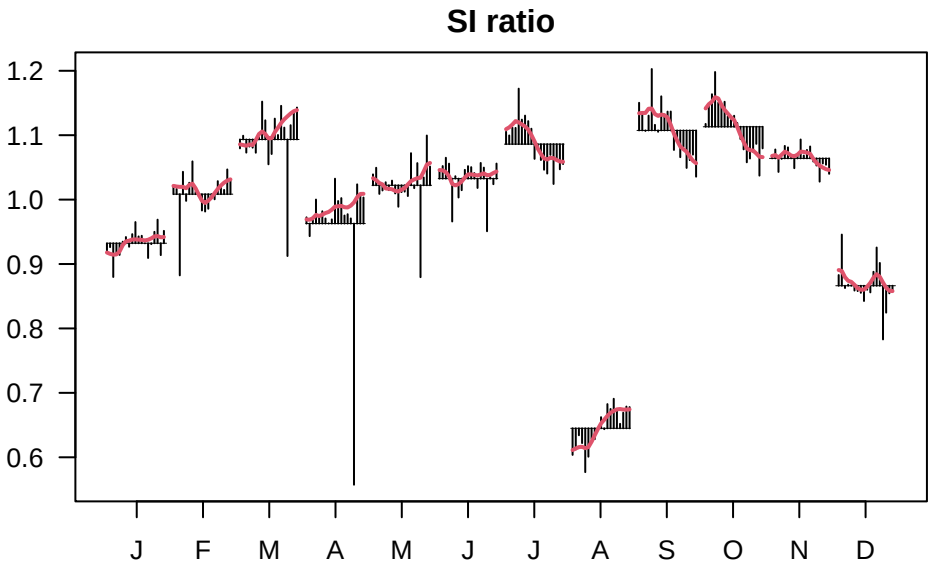
DIVIE26

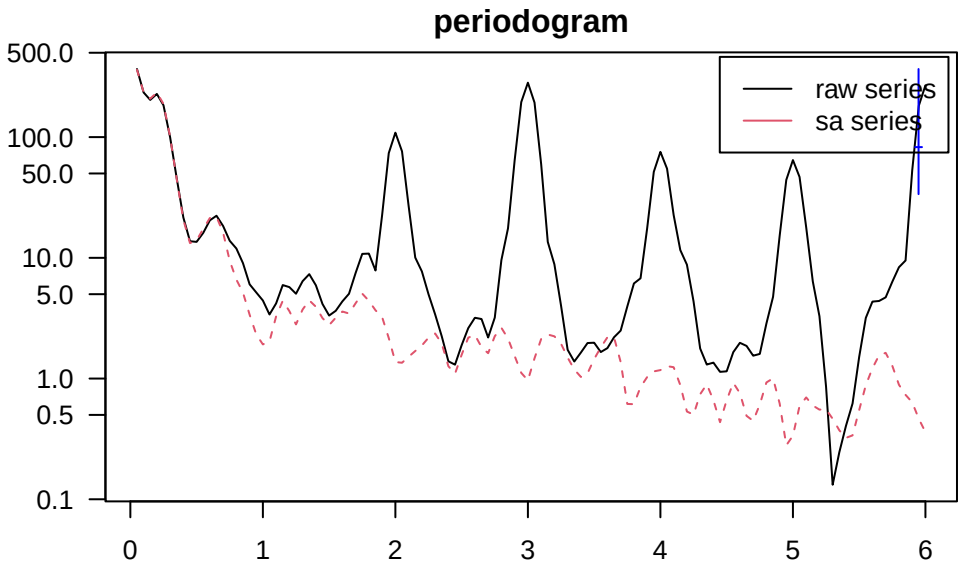
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
25
0
−25
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIZ27
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
120
110
100
90
80
70
60
1.0
0.9
0.8
0.7
0.6
2005
2010
2015
2020

DIVIZ27


SI ratio
1.2
1.1
1.0
0.9
0.8
0.7
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
500.0
100.0
50.0
10.0
5.0
1.0
0.5
0.1
0
1
2
3
4
5
6
raw series
sa series

DIVIZ27

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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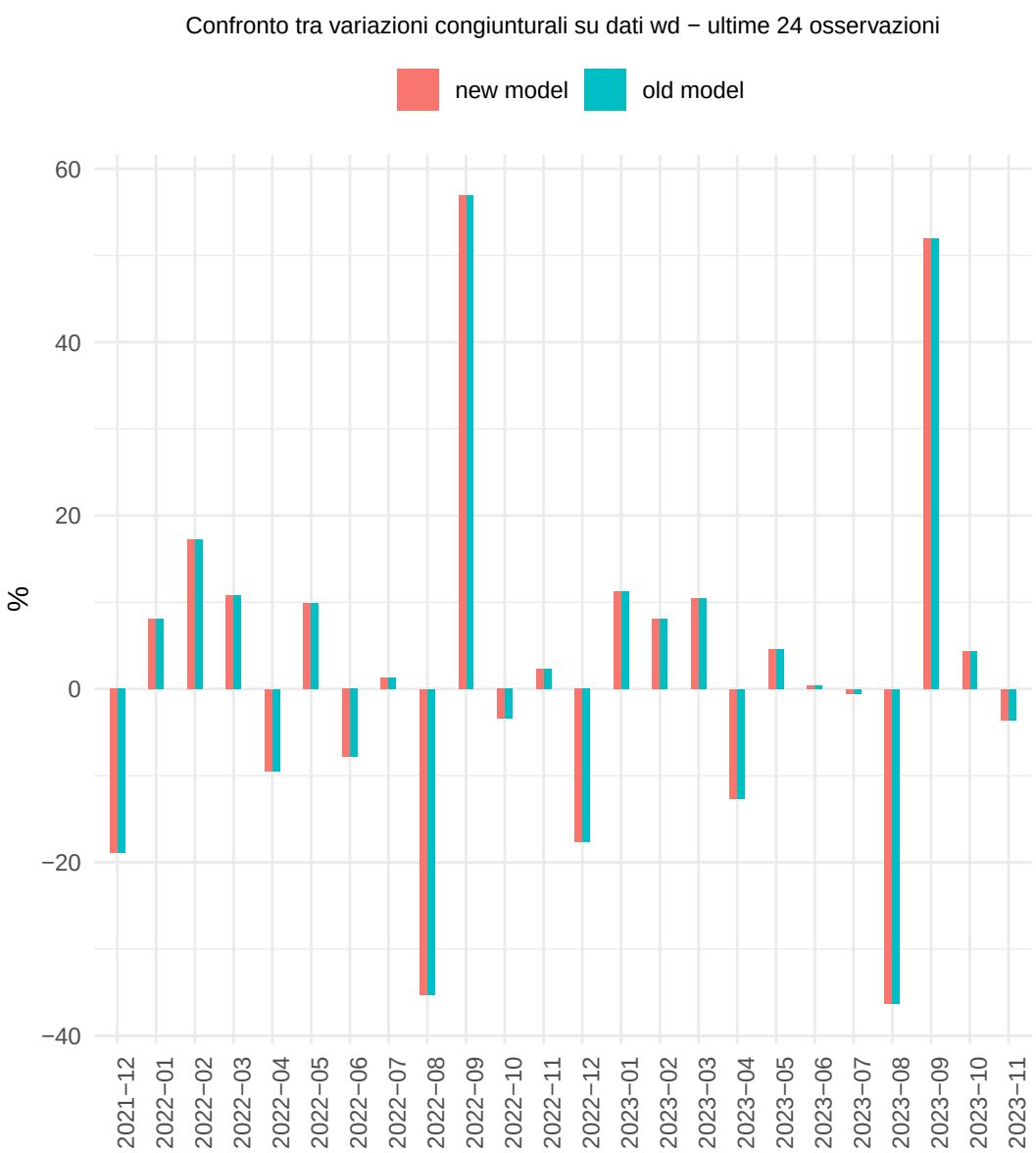
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
60
40
20
0
−20
−40
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
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2023−01
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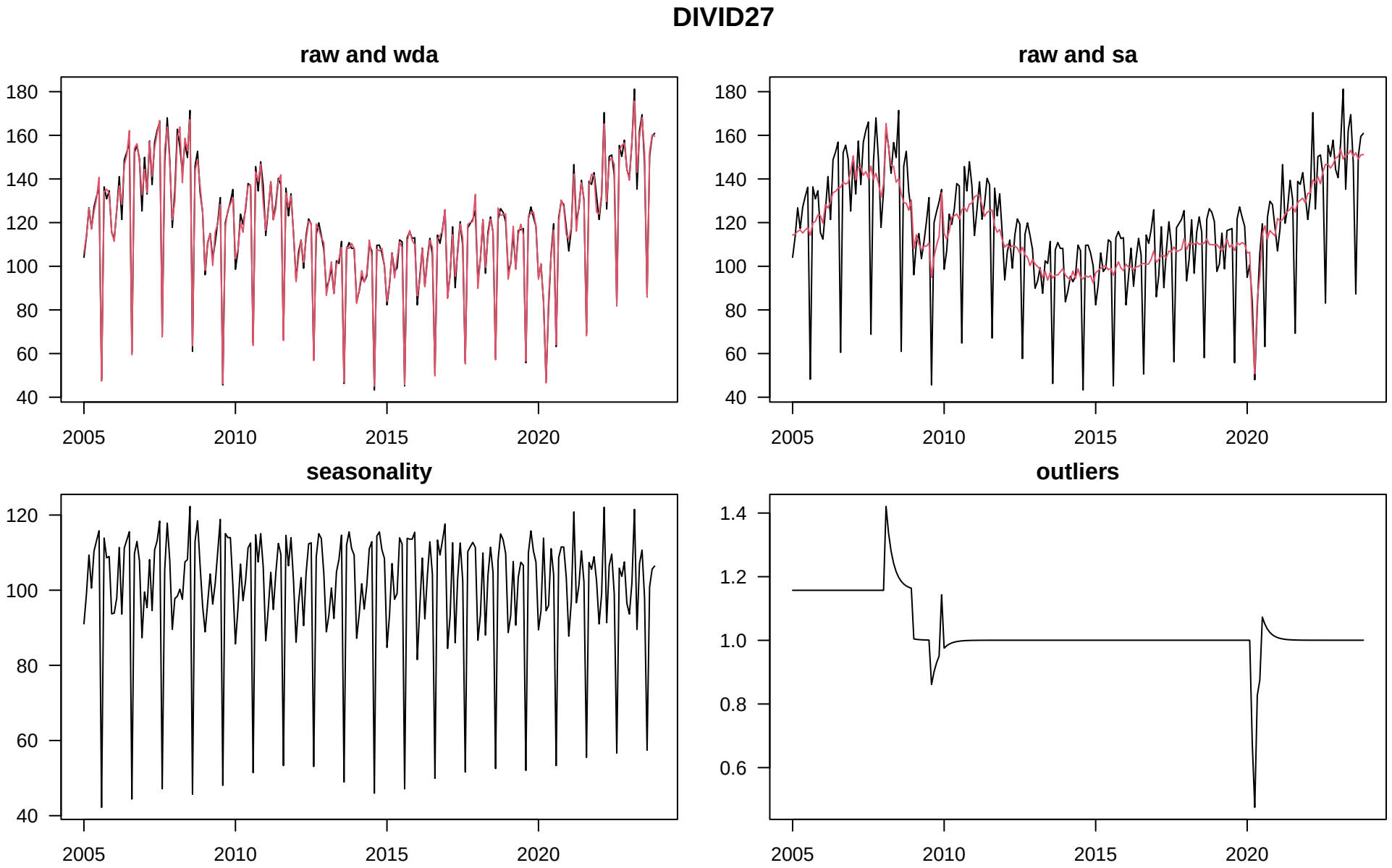
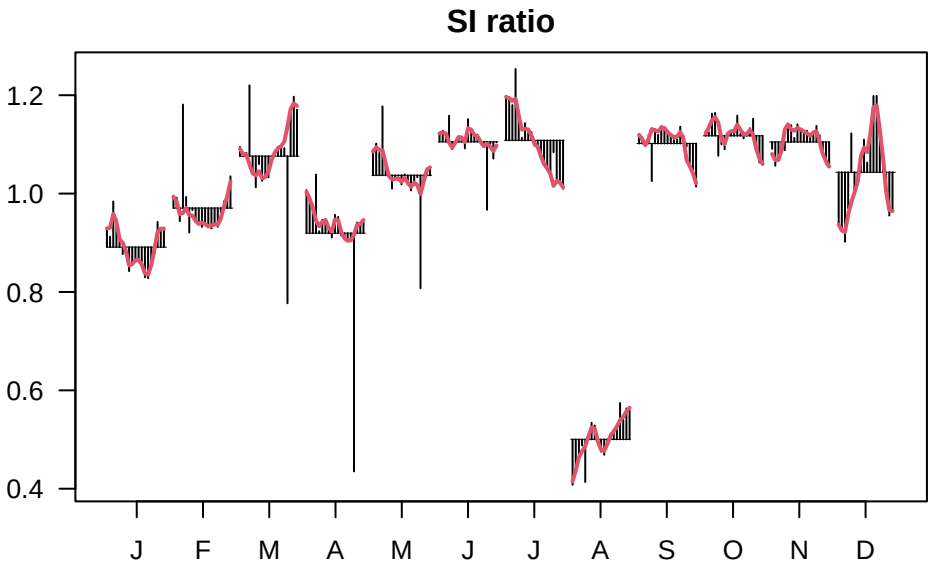
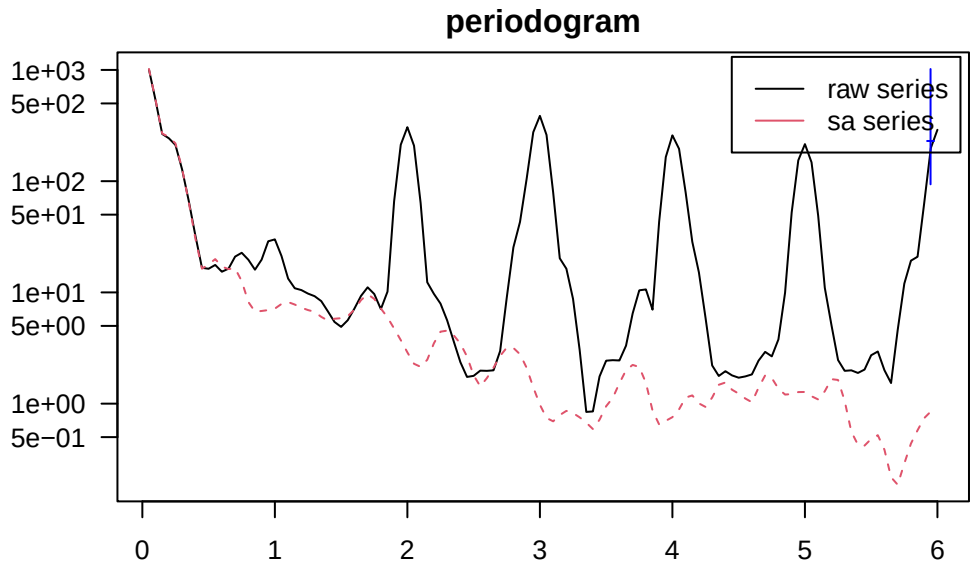
2023−10
2023−11


DIVID27
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
40
1.4
1.2
1.0
0.8
0.6
2005
2010
2015
2020

DIVID27


SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
raw series
sa series
0
1
2
3
4
5
6

DIVID27

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
2
0
−2
2021−12
2022−01
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2022−07
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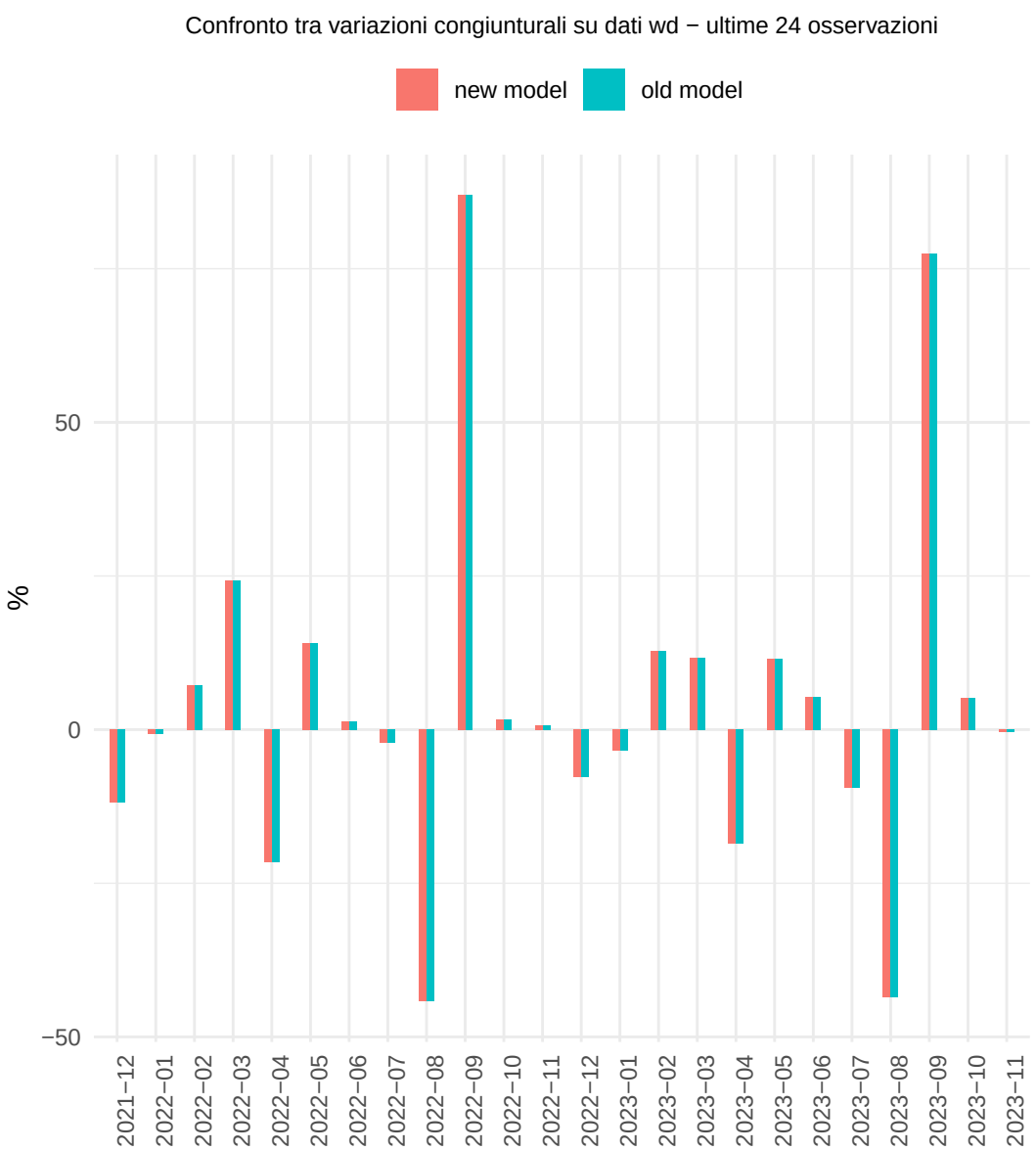
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
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2023−01
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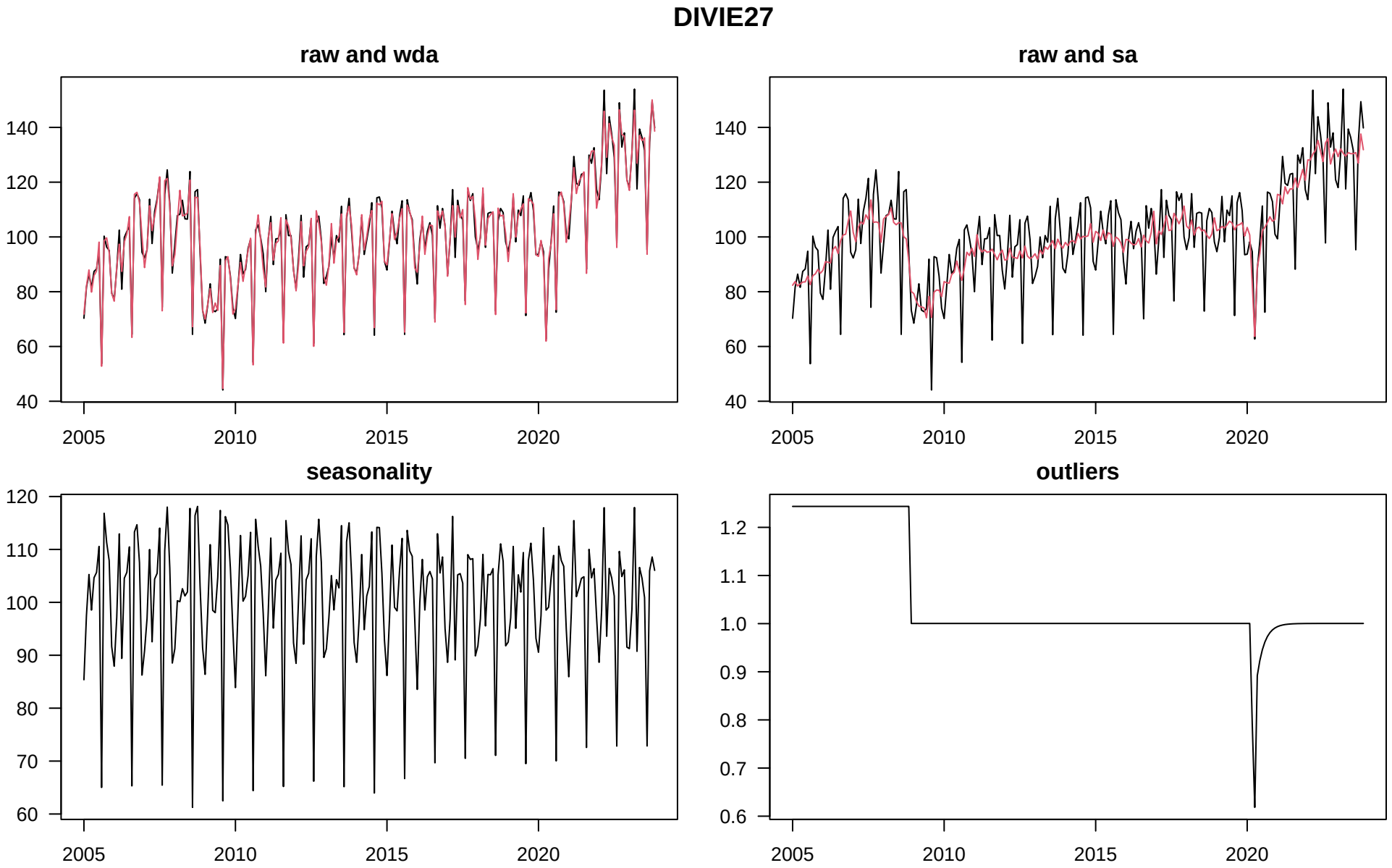
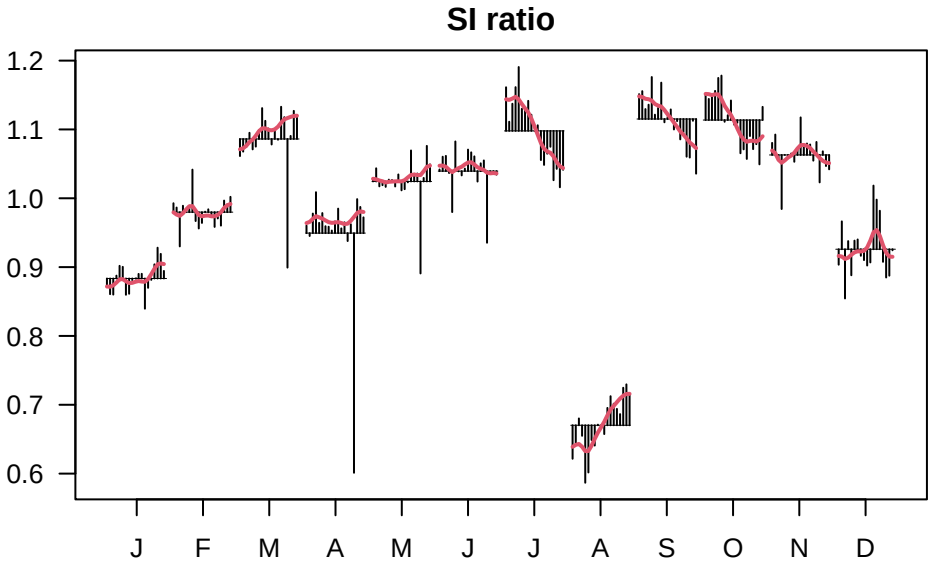
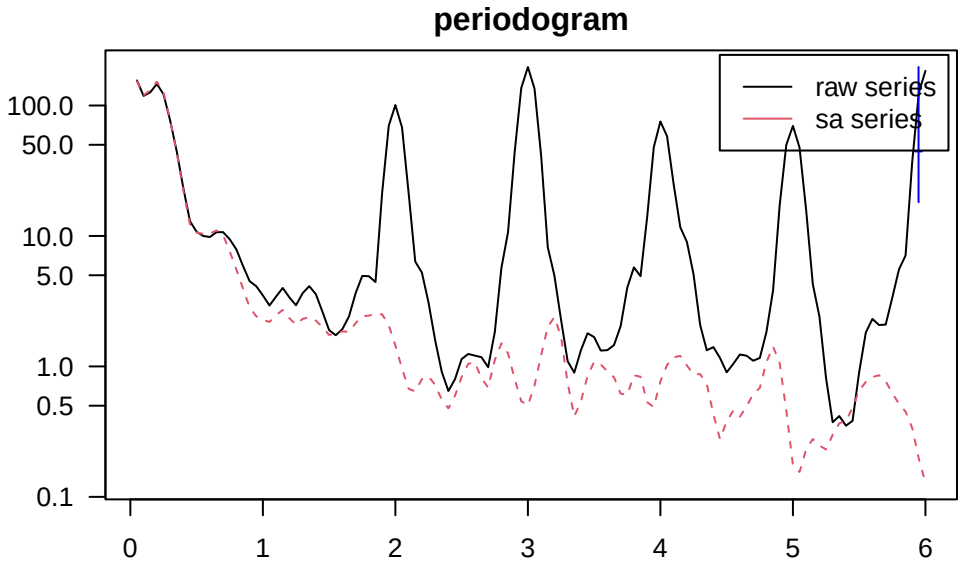
2023−10
2023−11

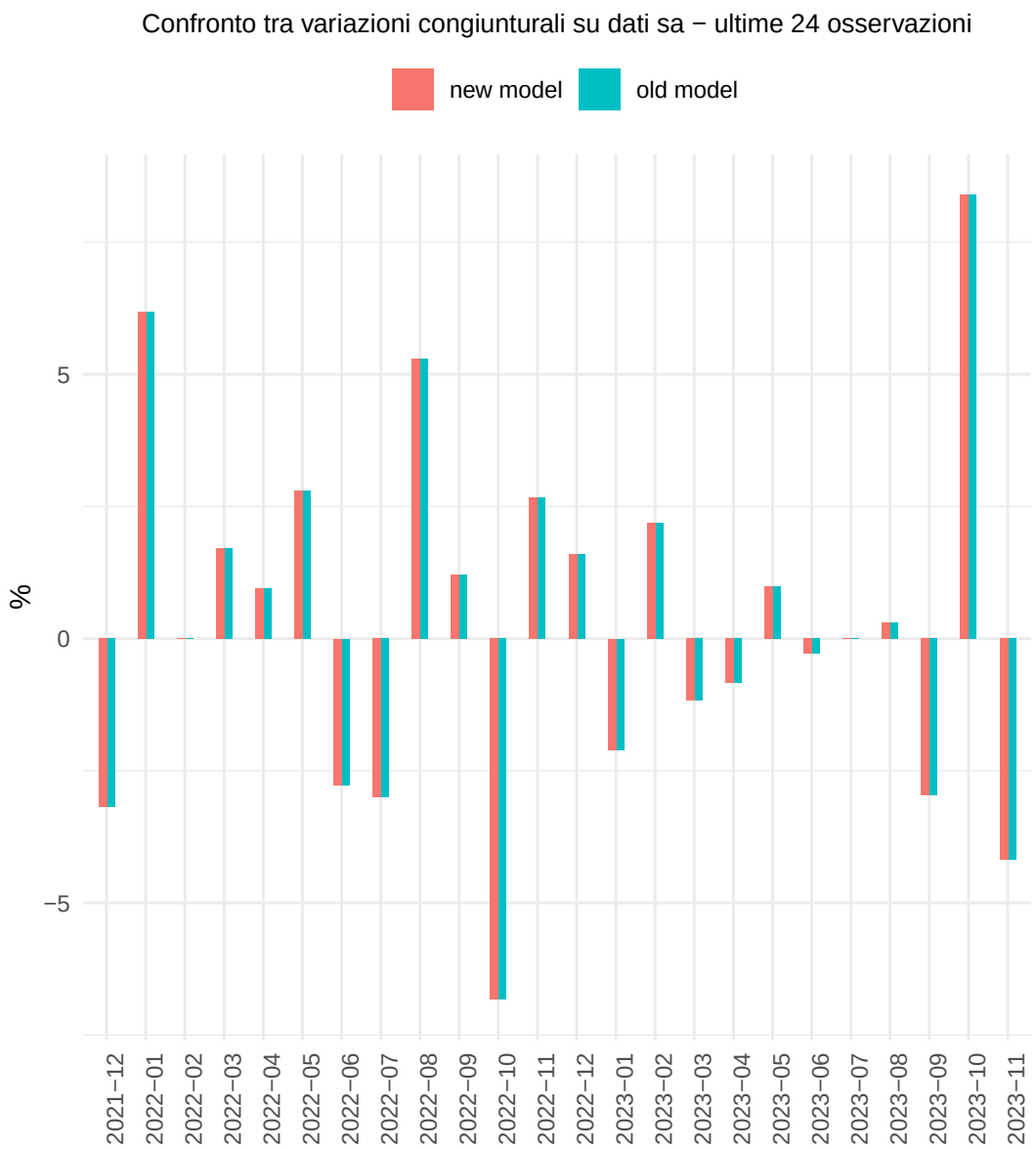

DIVIE27
raw and wda
raw and sa
seasonality
outliers
2005
2010
2015
2020

DIVIE27


SI ratio
1.2
1.1
1.0
0.9
0.8
0.7
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
100.0
50.0
10.0
5.0
1.0
0.5
0.1
0
1
2
3
4
5
6

DIVIE27


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
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−5
2021−12
2022−01
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2022−04
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2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
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0
−20
2021−12
2022−01
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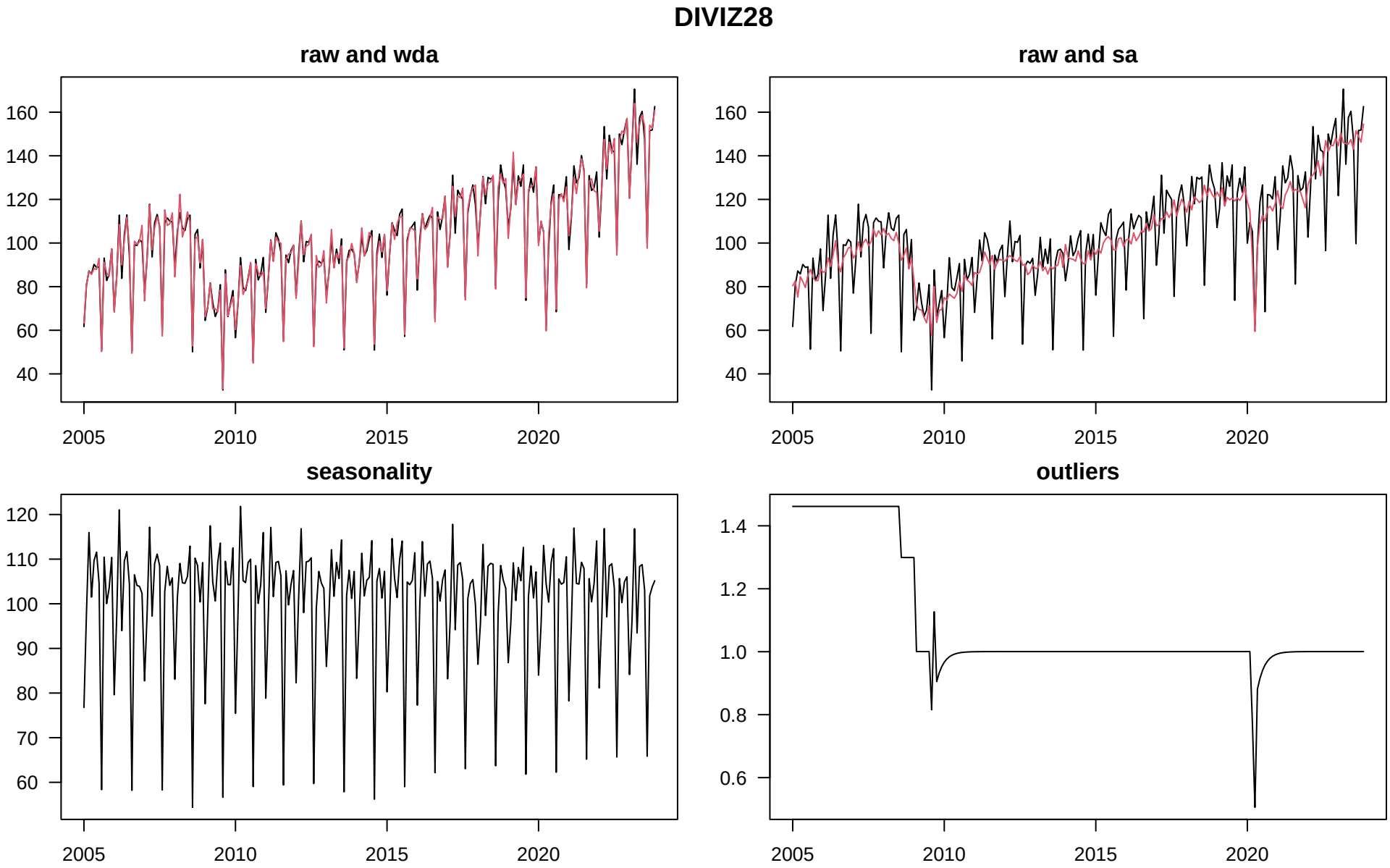
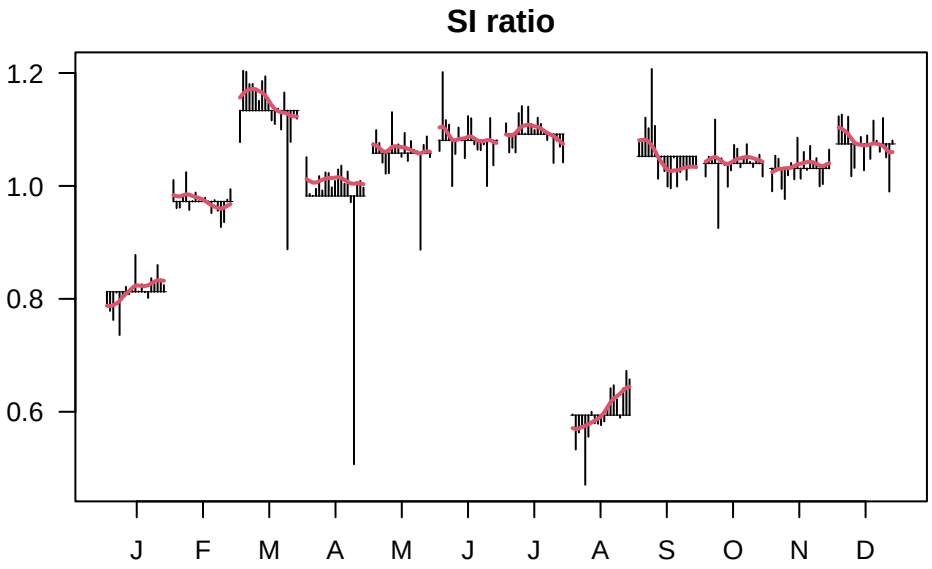
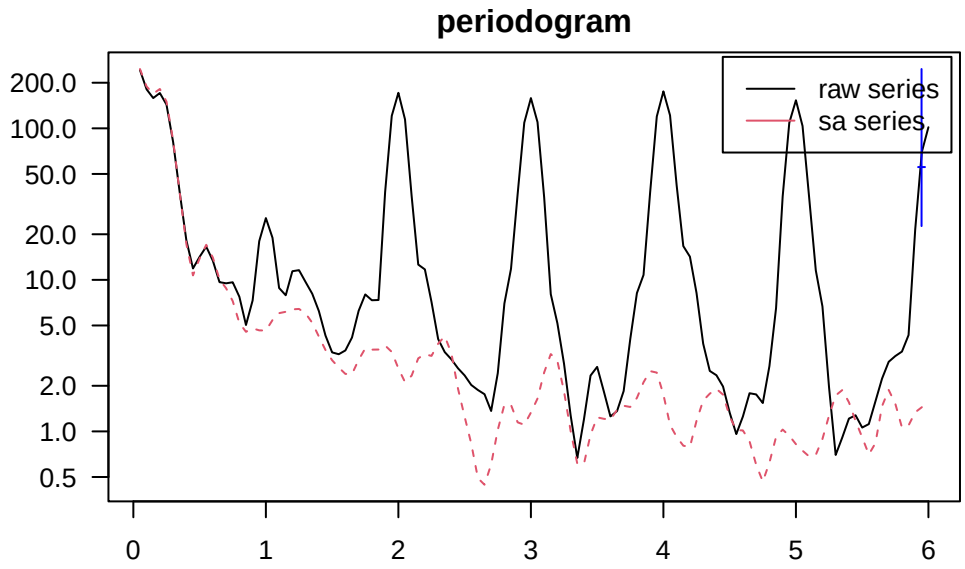
2023−11


DIVIZ28
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
110
90
70
1.4
1.2
1.0
0.8
0.6
2005
2010
2015
2020

DIVIZ28


SI ratio
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
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5
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DIVIZ28

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
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2021−12
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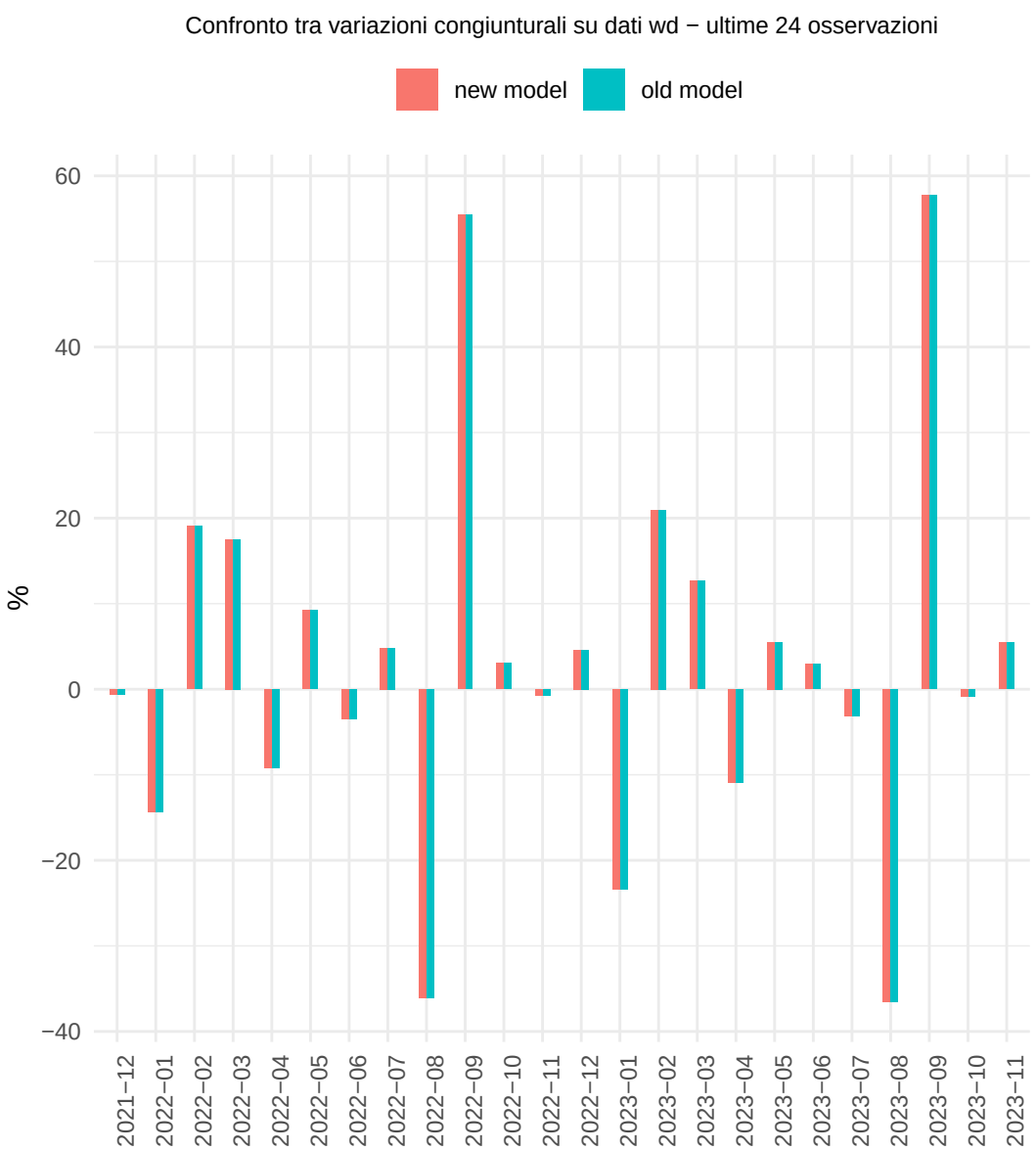
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
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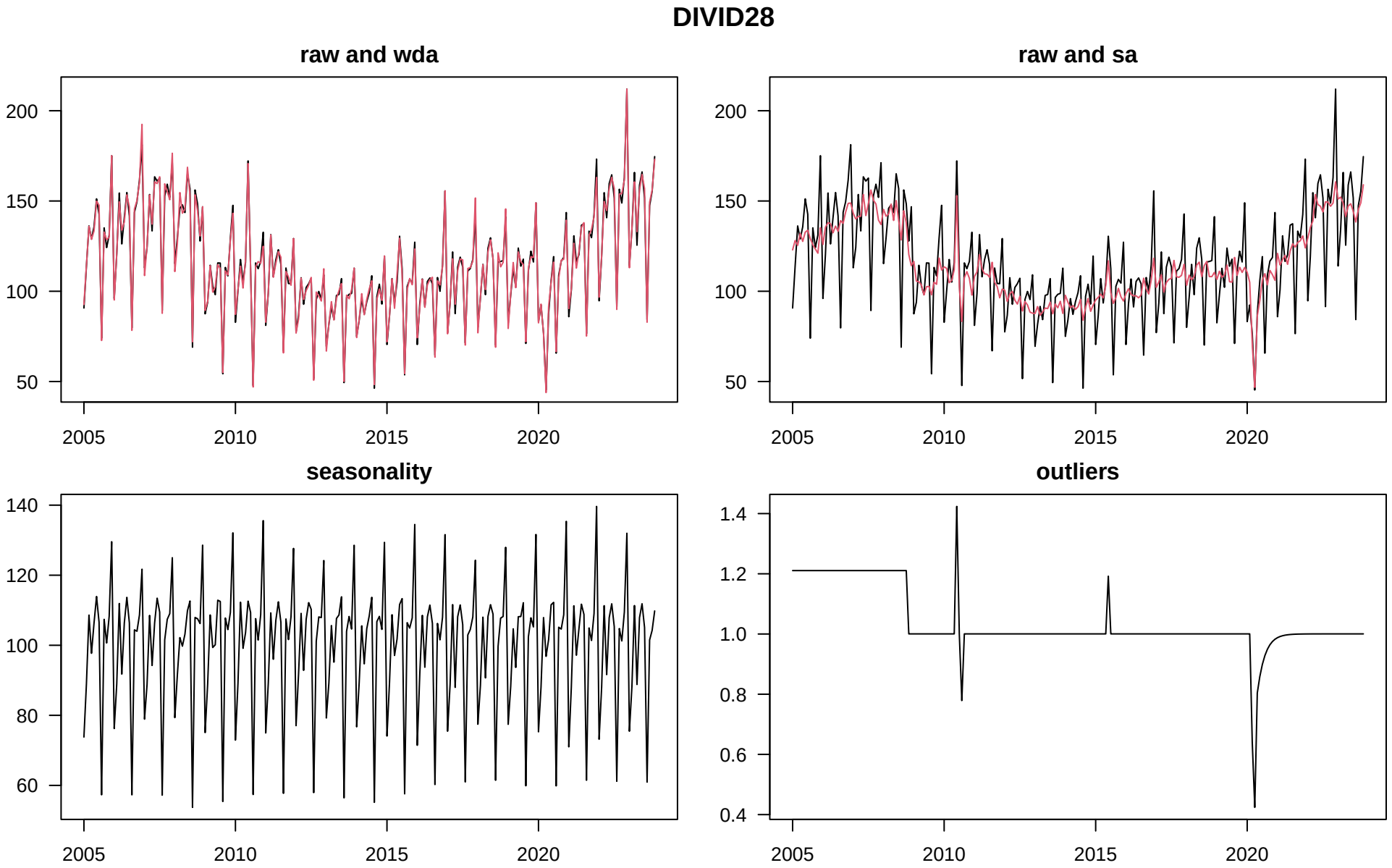
2023−10
2023−11


DIVID28
raw and wda
raw and sa
seasonality
outliers
200
150
100
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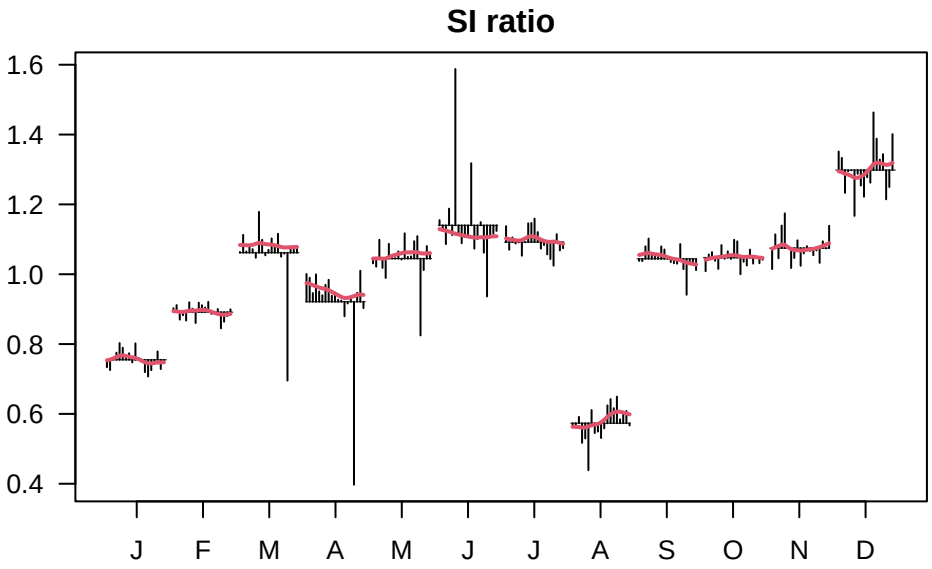
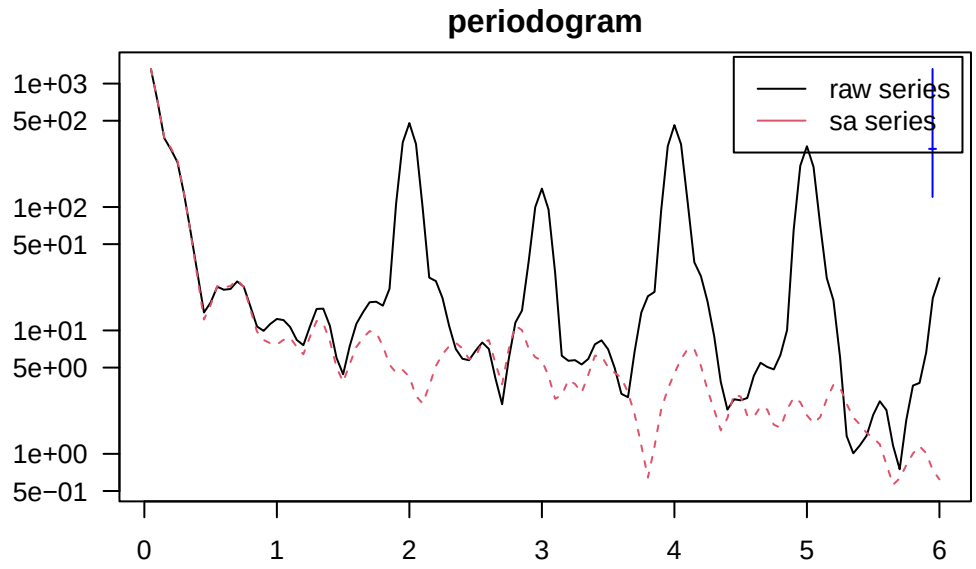
120
80
60
1.4
1.2
1.0
0.8
0.6
0.4
2005
2010
2015
2020

DIVID28


SI ratio
1.6
1.4
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
0
1
2
3
4
5
6

DIVID28

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
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2023−01
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2023−07
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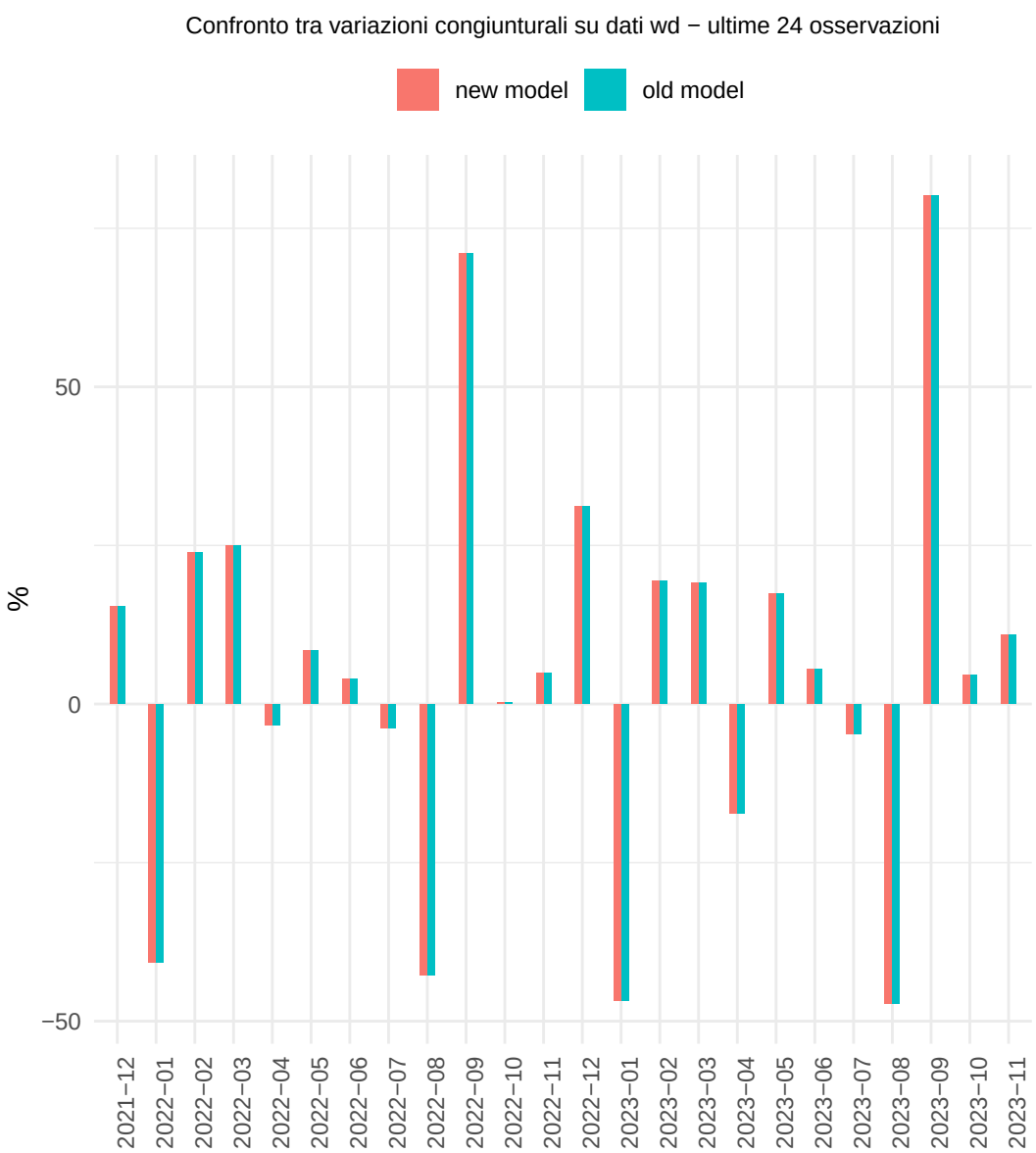
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
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2022−06
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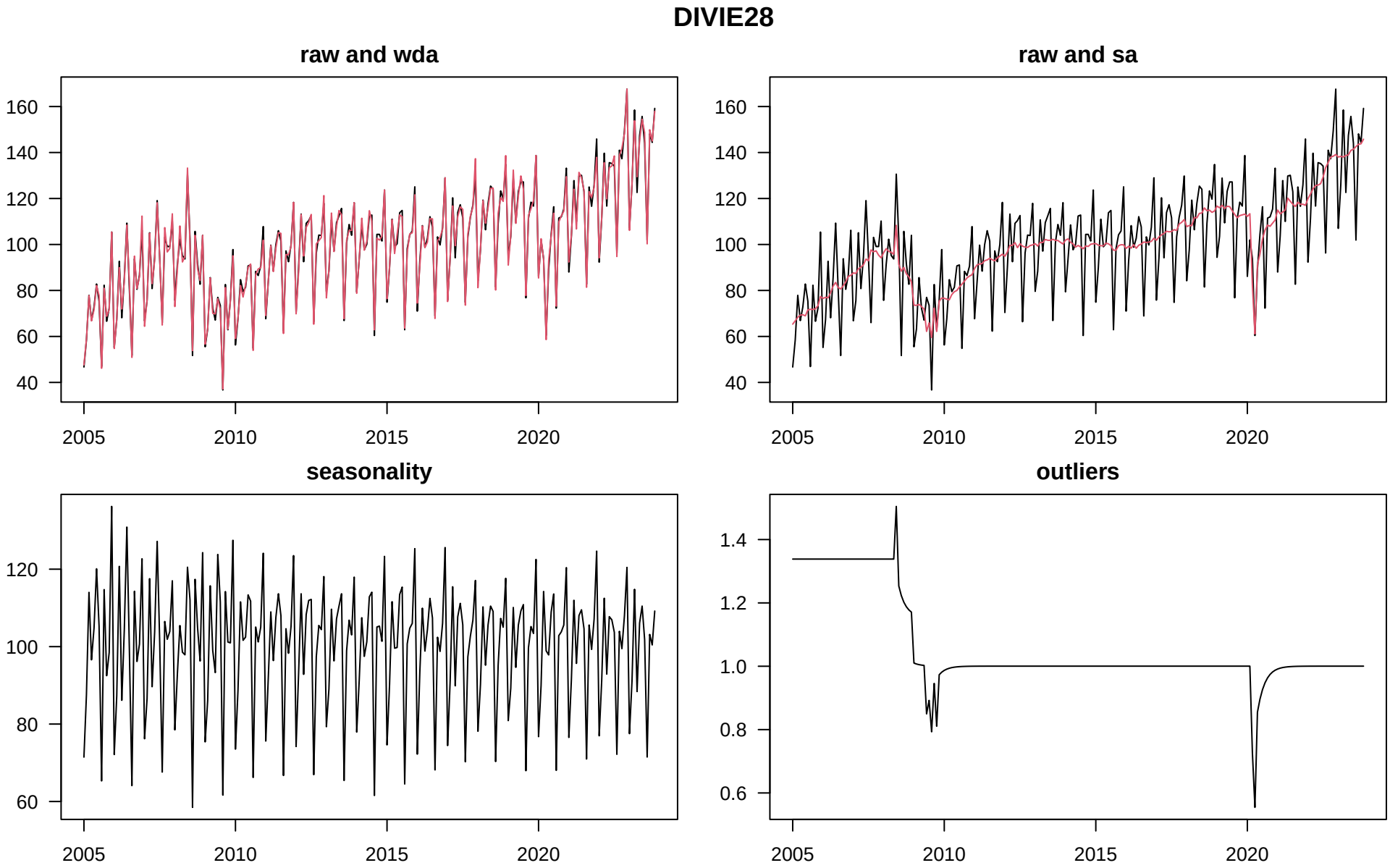
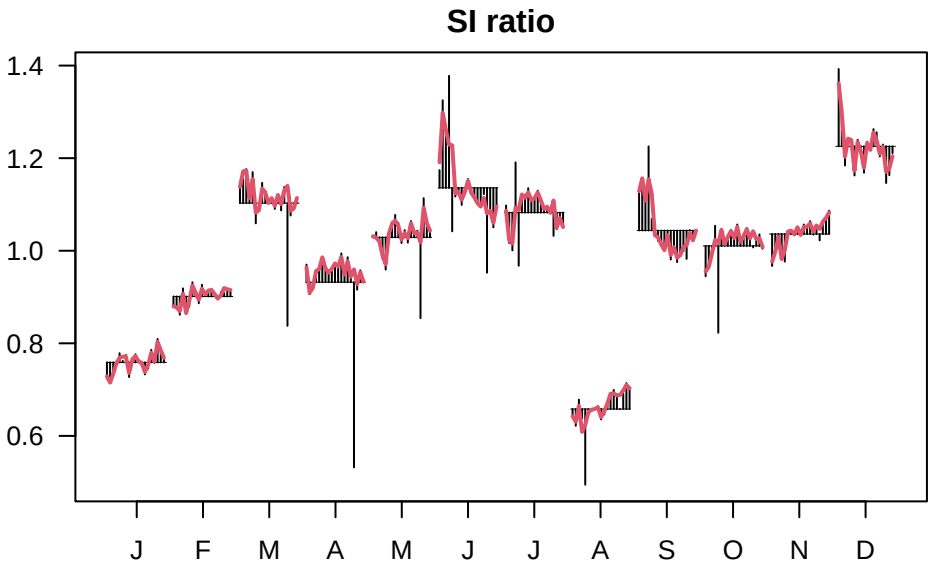
2023−10
2023−11


DIVIE28
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
1.4
1.2
1.0
0.8
0.6
2005
2010
2015
2020

DIVIE28


SI ratio
1.4
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
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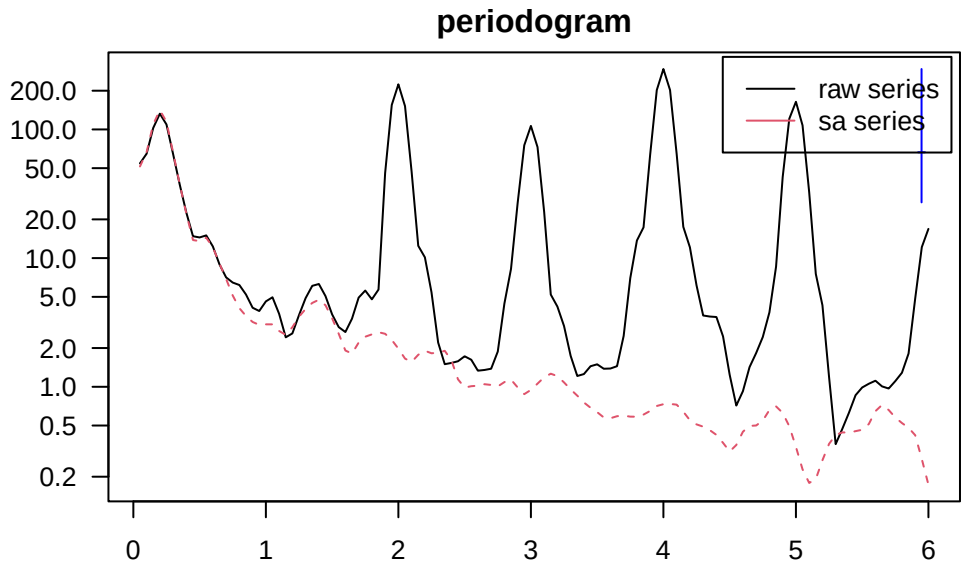
periodogram
raw series
sa series
200.0
100.0
50.0
20.0
10.0
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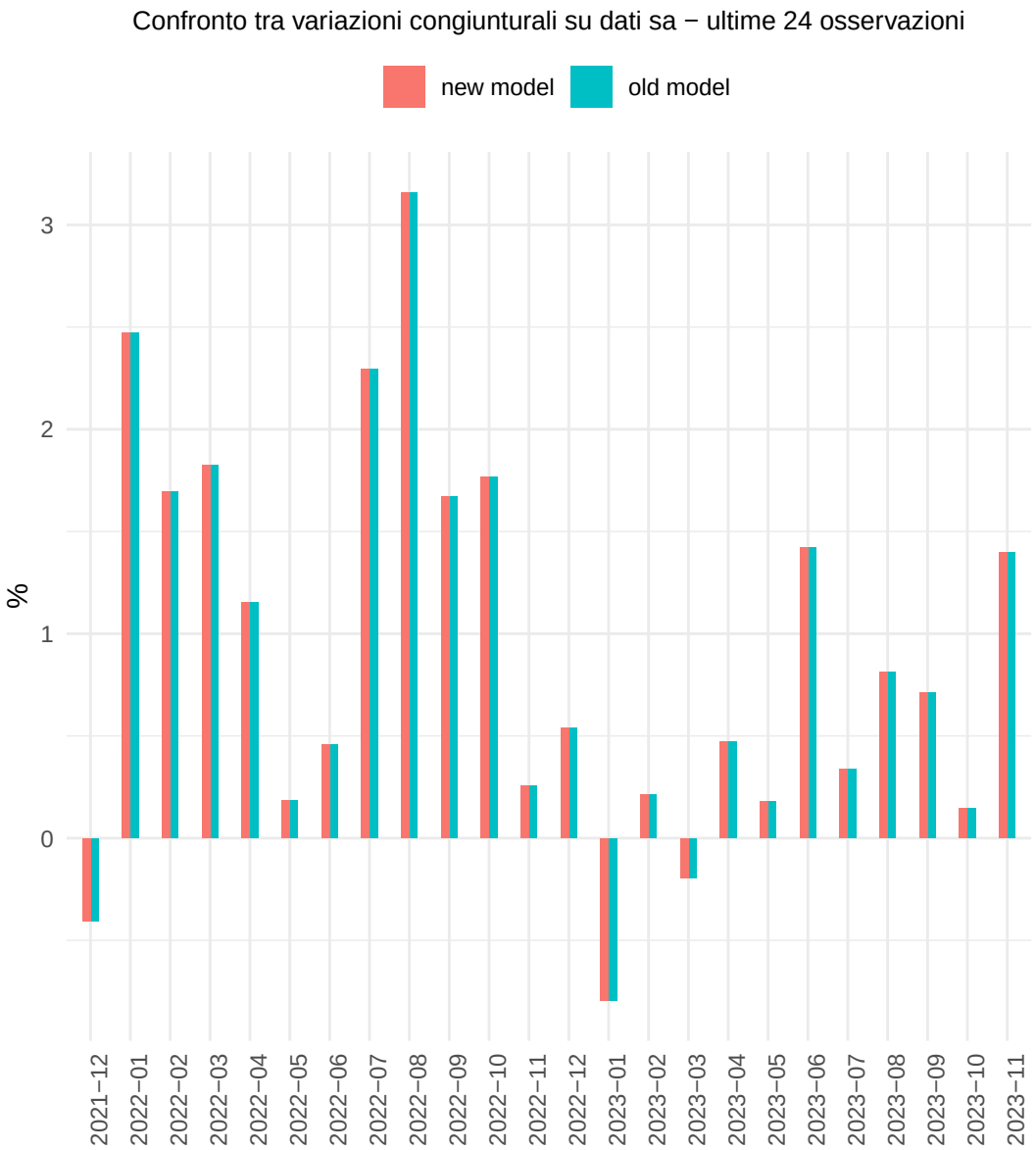
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6

DIVIE28


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
3
2
1
0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
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2022−12
2023−01
2023−02
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2023−05
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2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
−40
2021−12
2022−01
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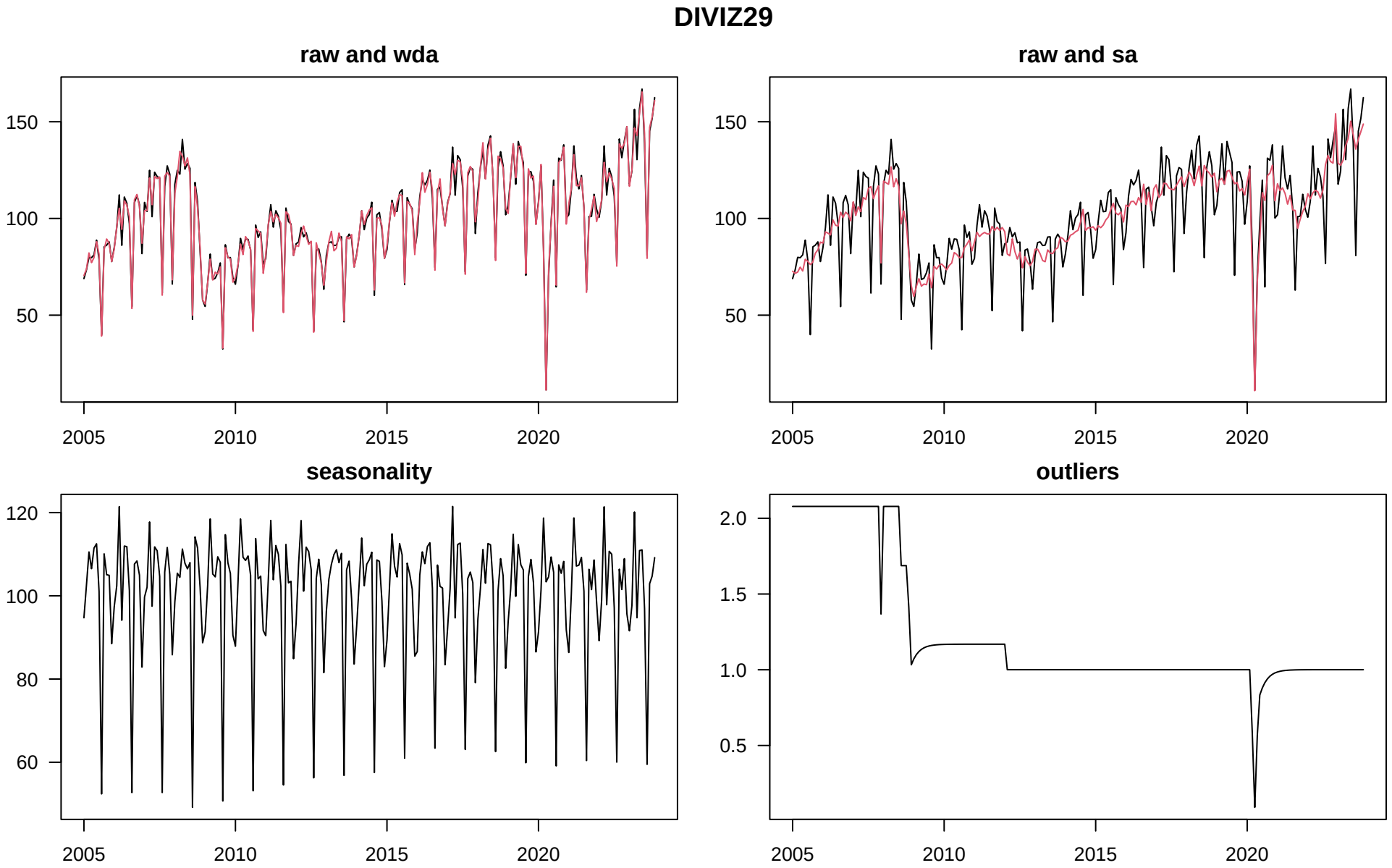
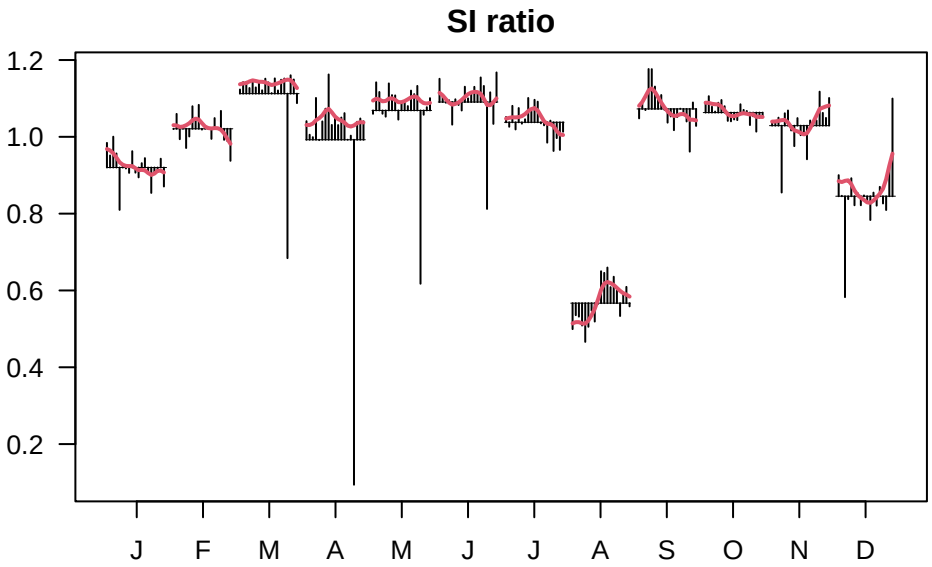
2023−11


DIVIZ29
raw and wda
raw and sa
seasonality
outliers
150
100
50
120
80
60
2.0
1.5
1.0
0.5
2005
2010
2015
2020

DIVIZ29


SI ratio
1.2
1.0
0.8
0.6
0.4
0.2
J
F
M
A
M
J
J
A
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O
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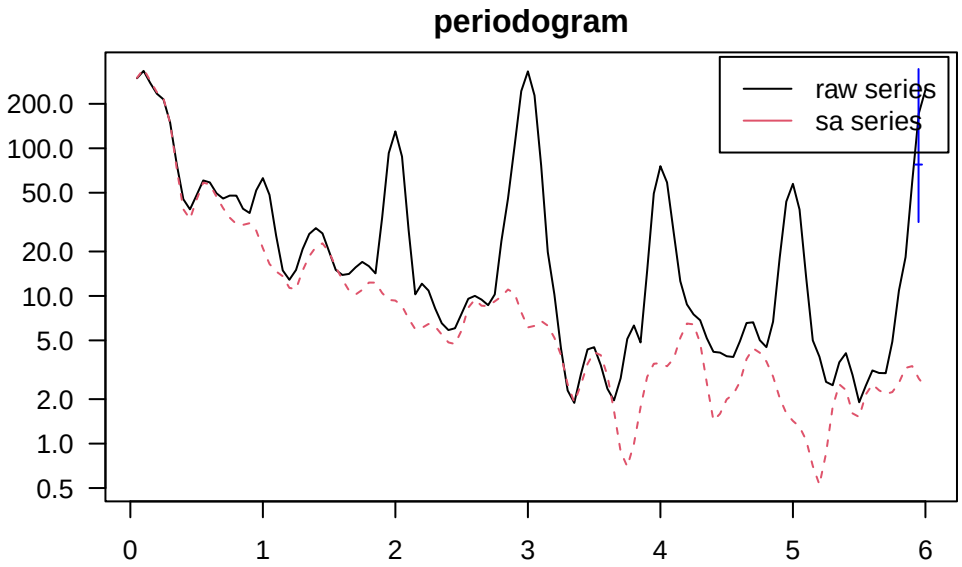
D


periodogram
raw series
sa series
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
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DIVIZ29

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
2021−12
2022−01
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2022−05
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2022−09
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2023−01
2023−02
2023−03
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2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
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2022−08
2022−09
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2023−01
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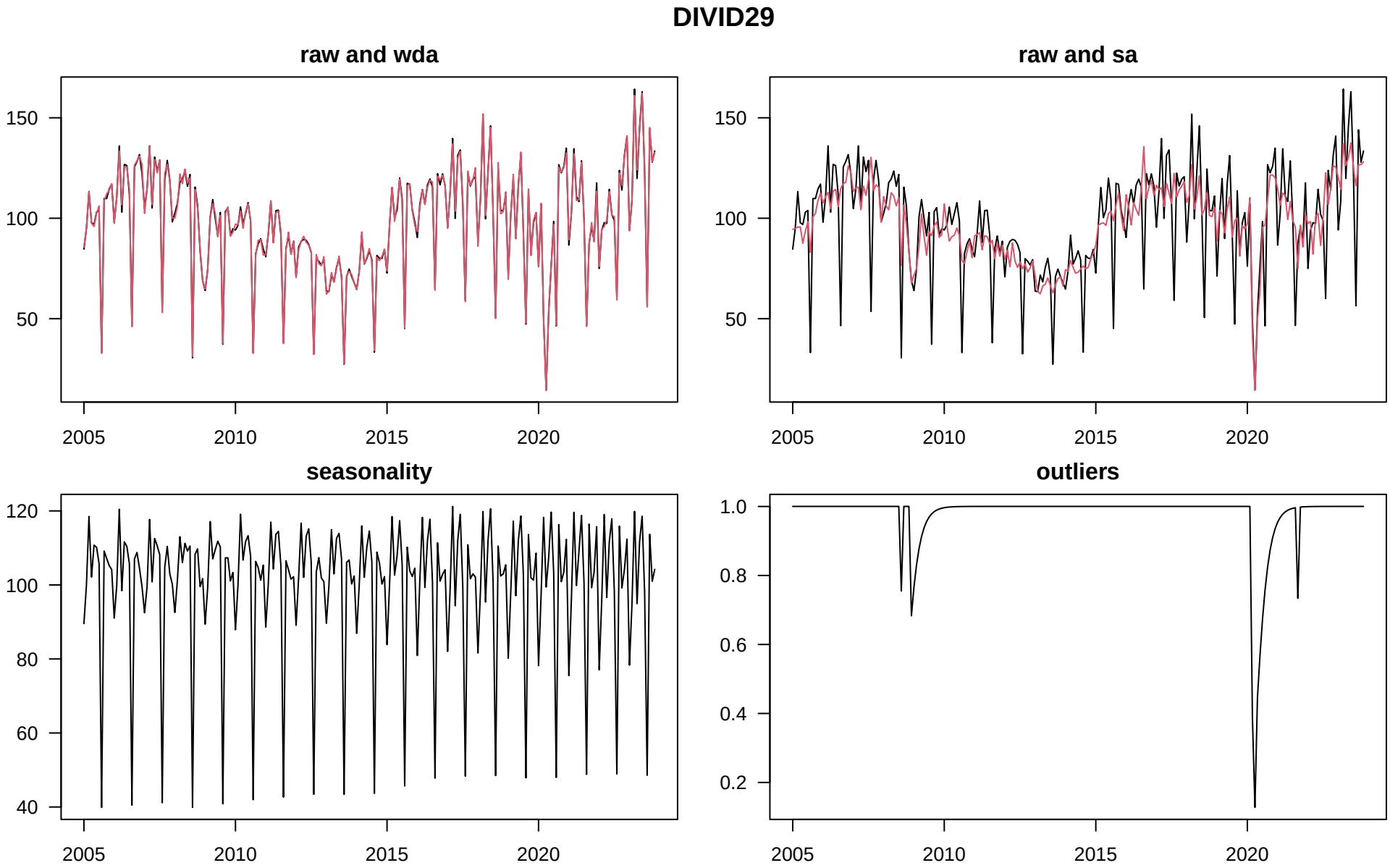
2023−10
2023−11


DIVID29
raw and wda
raw and sa
seasonality
outliers
150
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50
120
80
60
40
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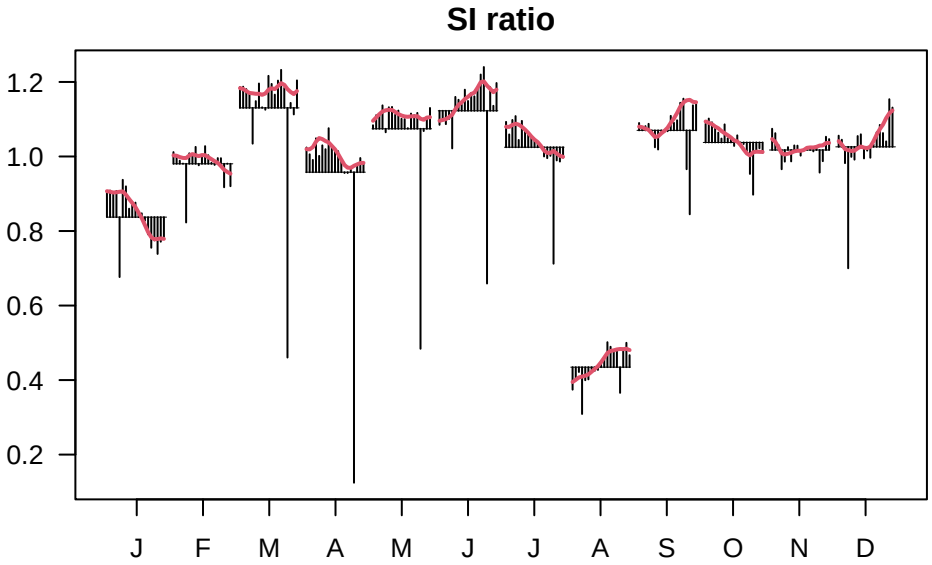
0.8
0.6
0.4
0.2
2005
2010
2015
2020

DIVID29


SI ratio
1.2
1.0
0.8
0.6
0.4
0.2
J
F
M
A
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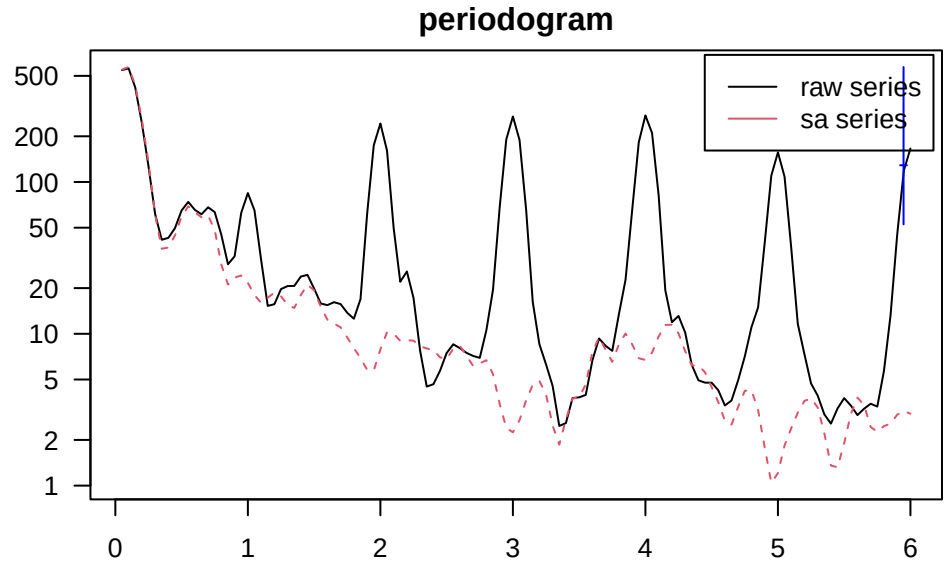
A
S
O
N
D


periodogram
500
200
100
50
20
10
5
2
1
0
1
2
3
4
5
6
raw series
sa series

DIVID29

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
150
100
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
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2023−04
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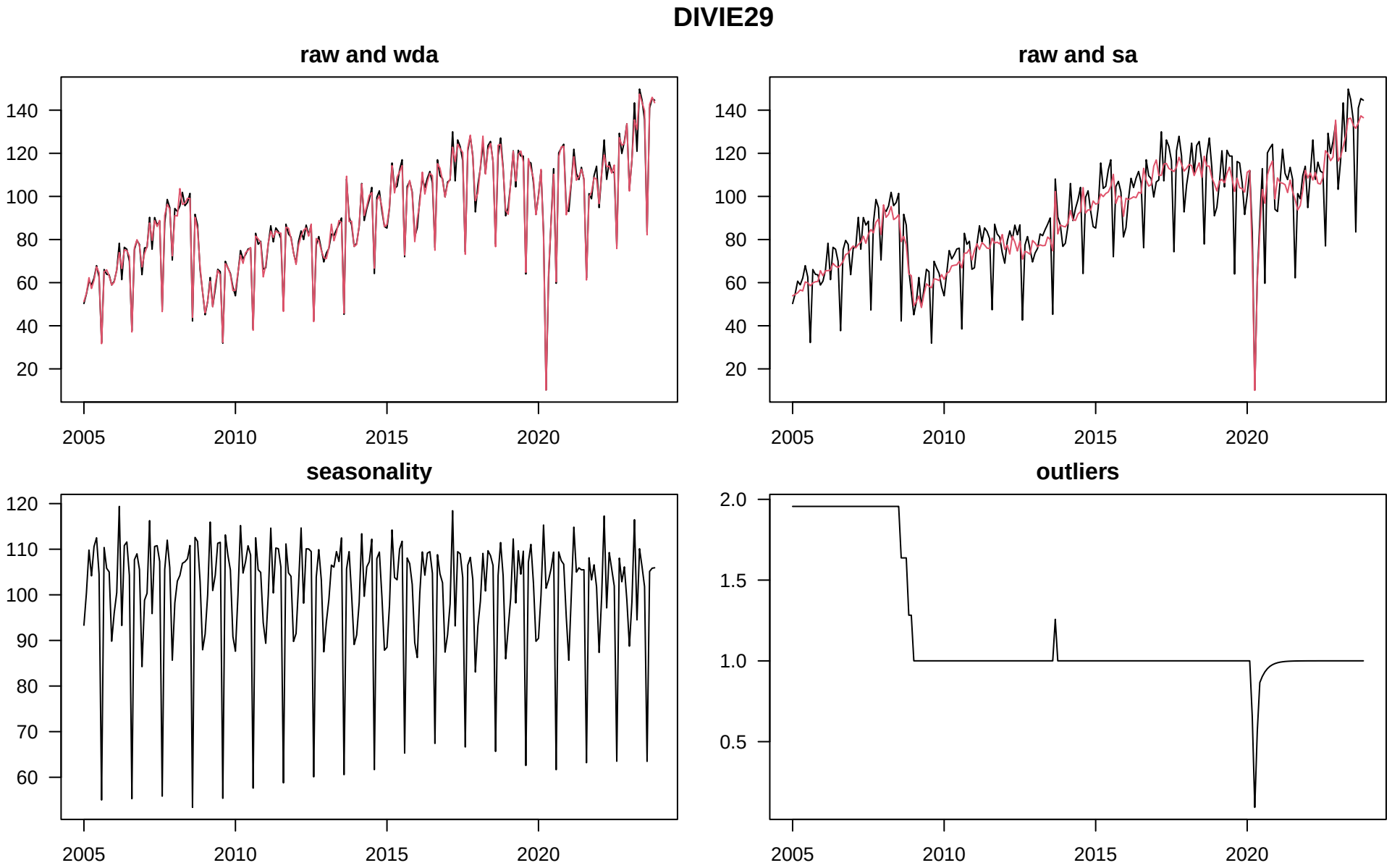
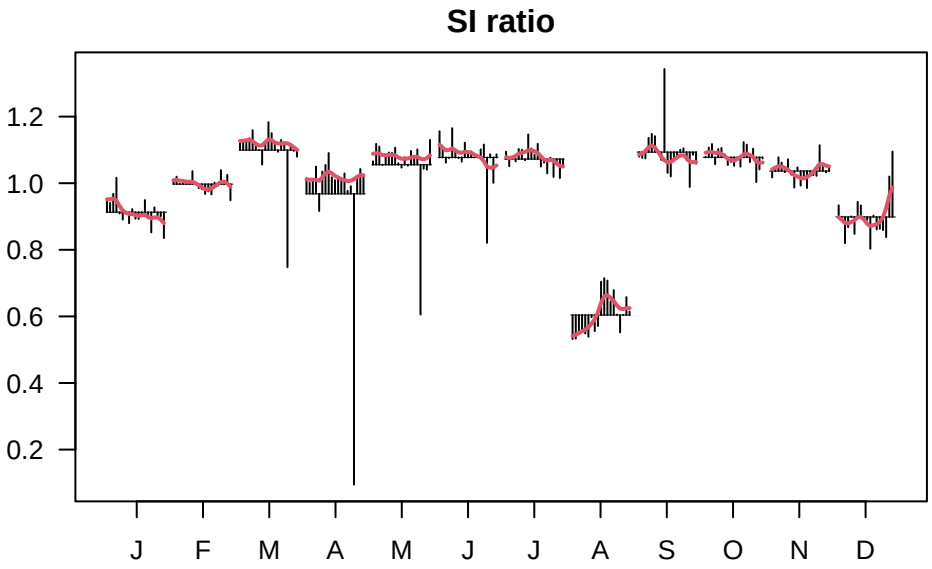
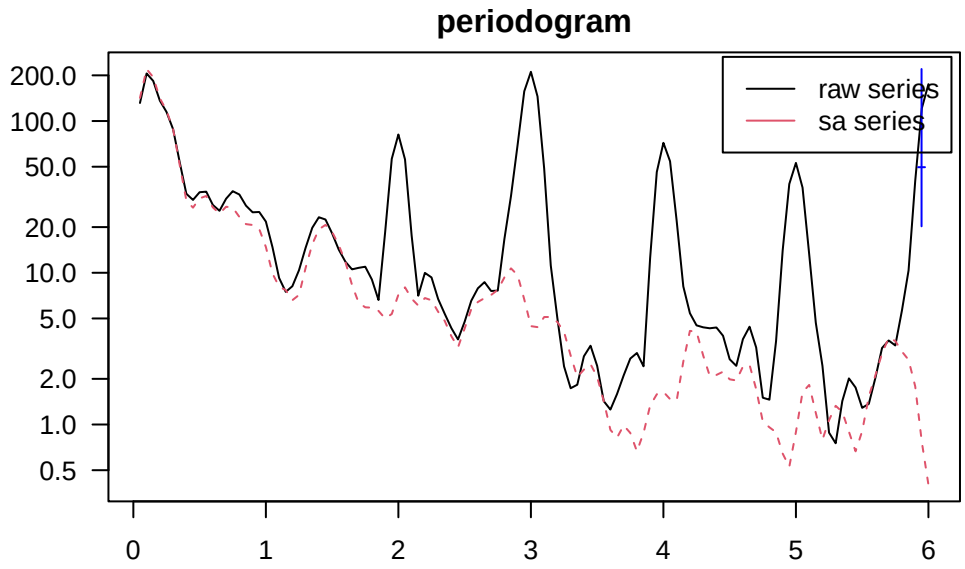
2023−08
2023−09
2023−10
2023−11

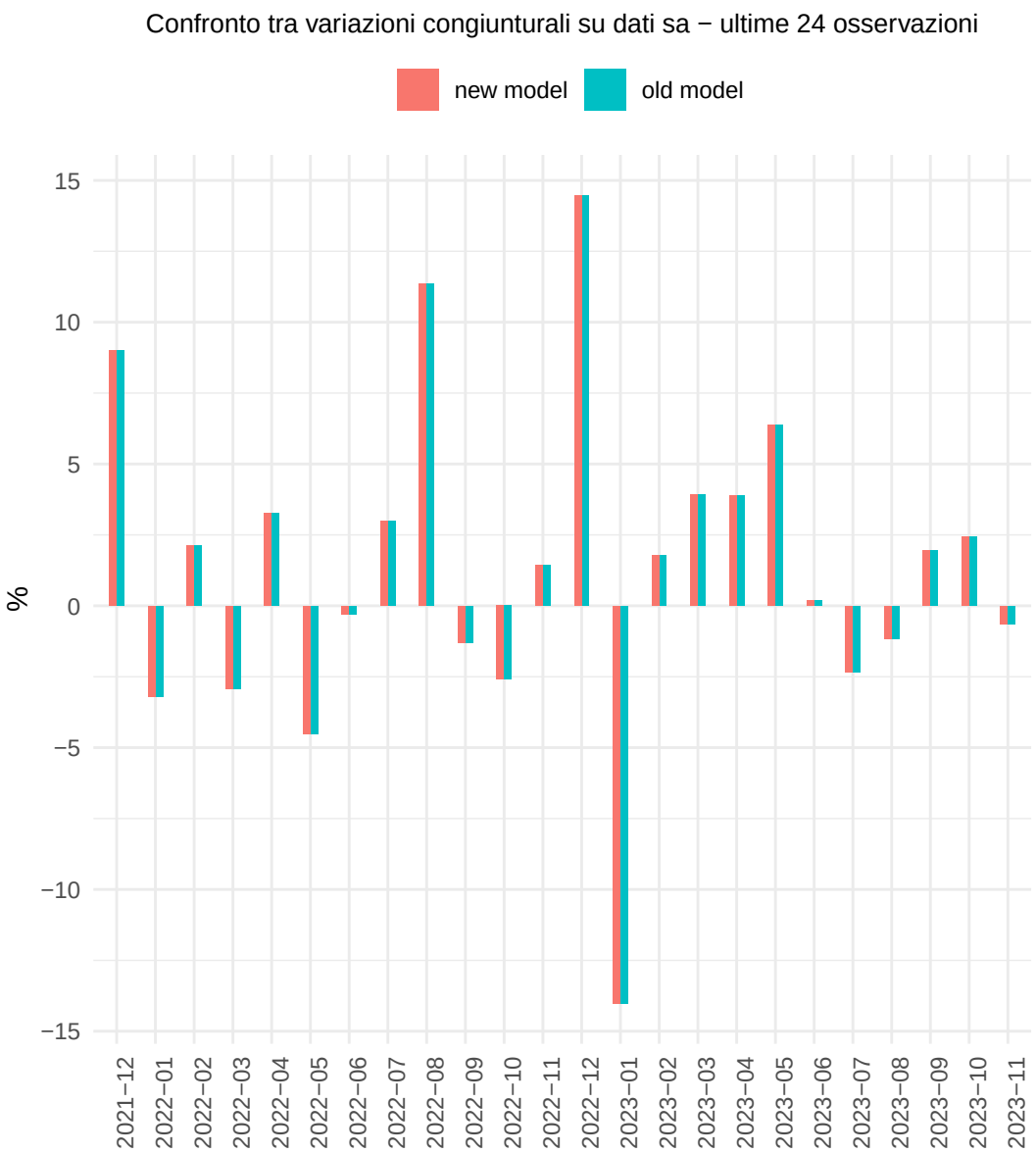

DIVIE29
raw and wda
raw and sa
seasonality
outliers
140
120
100
80
60
40
20
110
90
70
2.0
1.5
1.0
0.5
2005
2010
2015
2020

DIVIE29


SI ratio
1.2
1.0
0.8
0.6
0.4
0.2
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
raw series
sa series
0
1
2
3
4
5
6

DIVIE29


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
15
10
5
0
−5
−10
−15
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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2023−04
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2023−06
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2023−08
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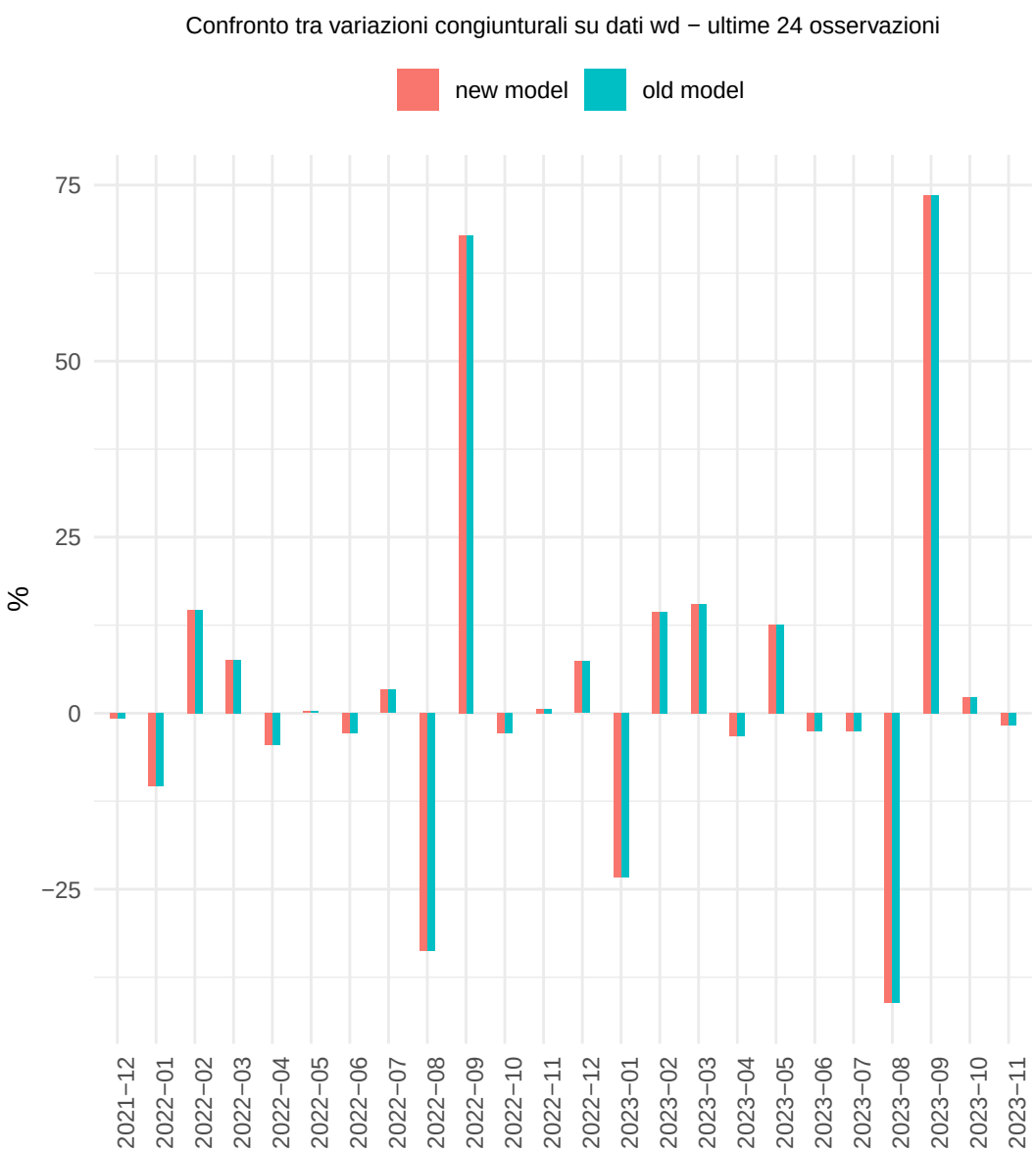
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
75
50
25
0
−25
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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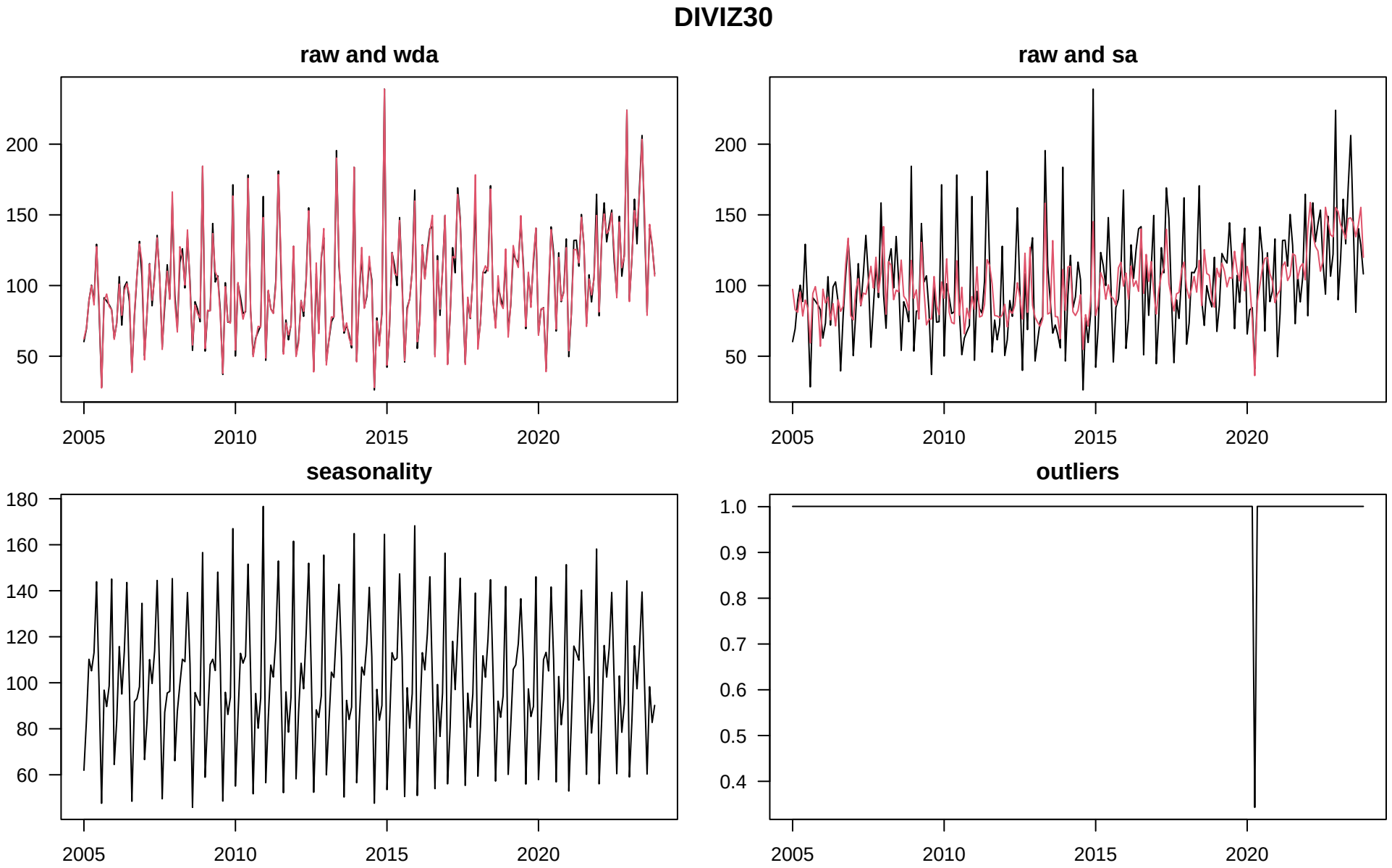
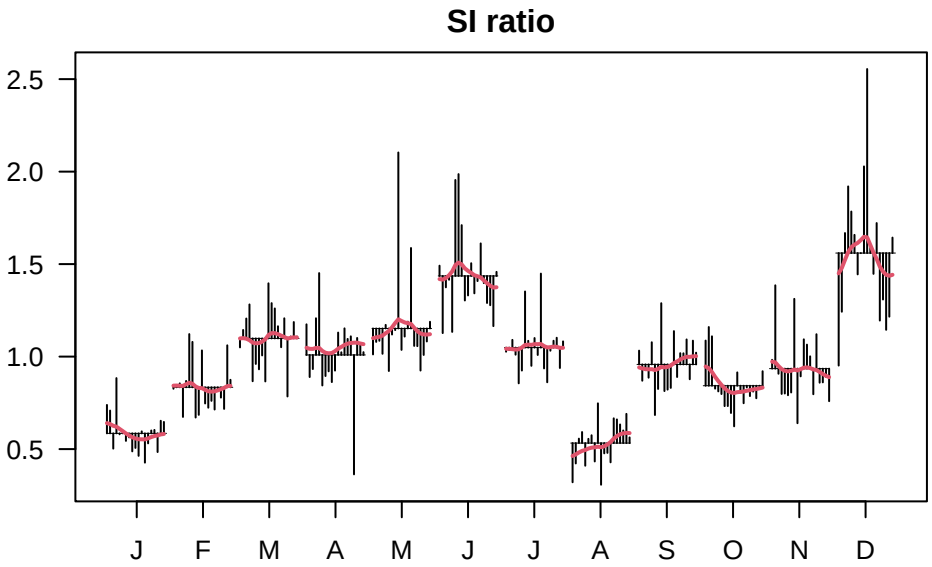
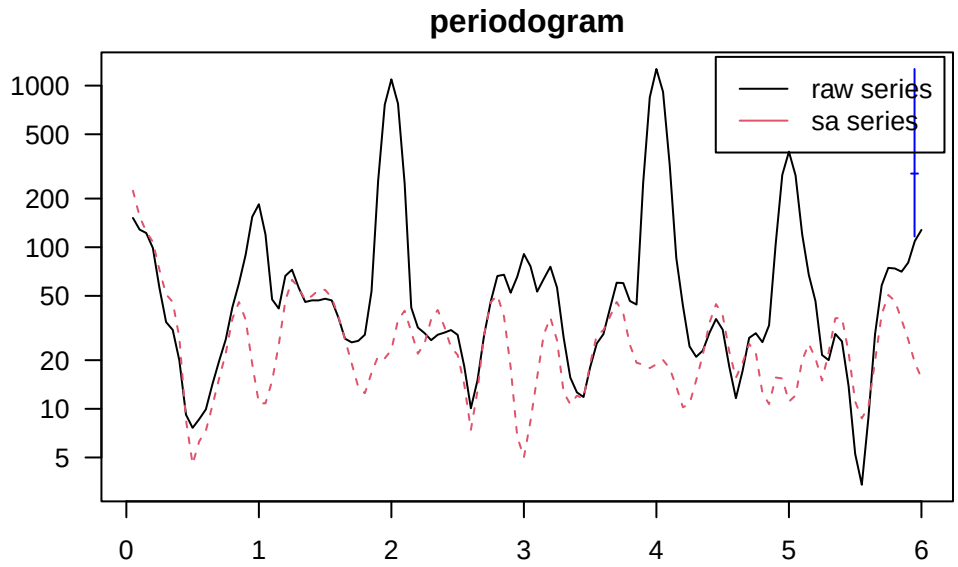
2023−10
2023−11

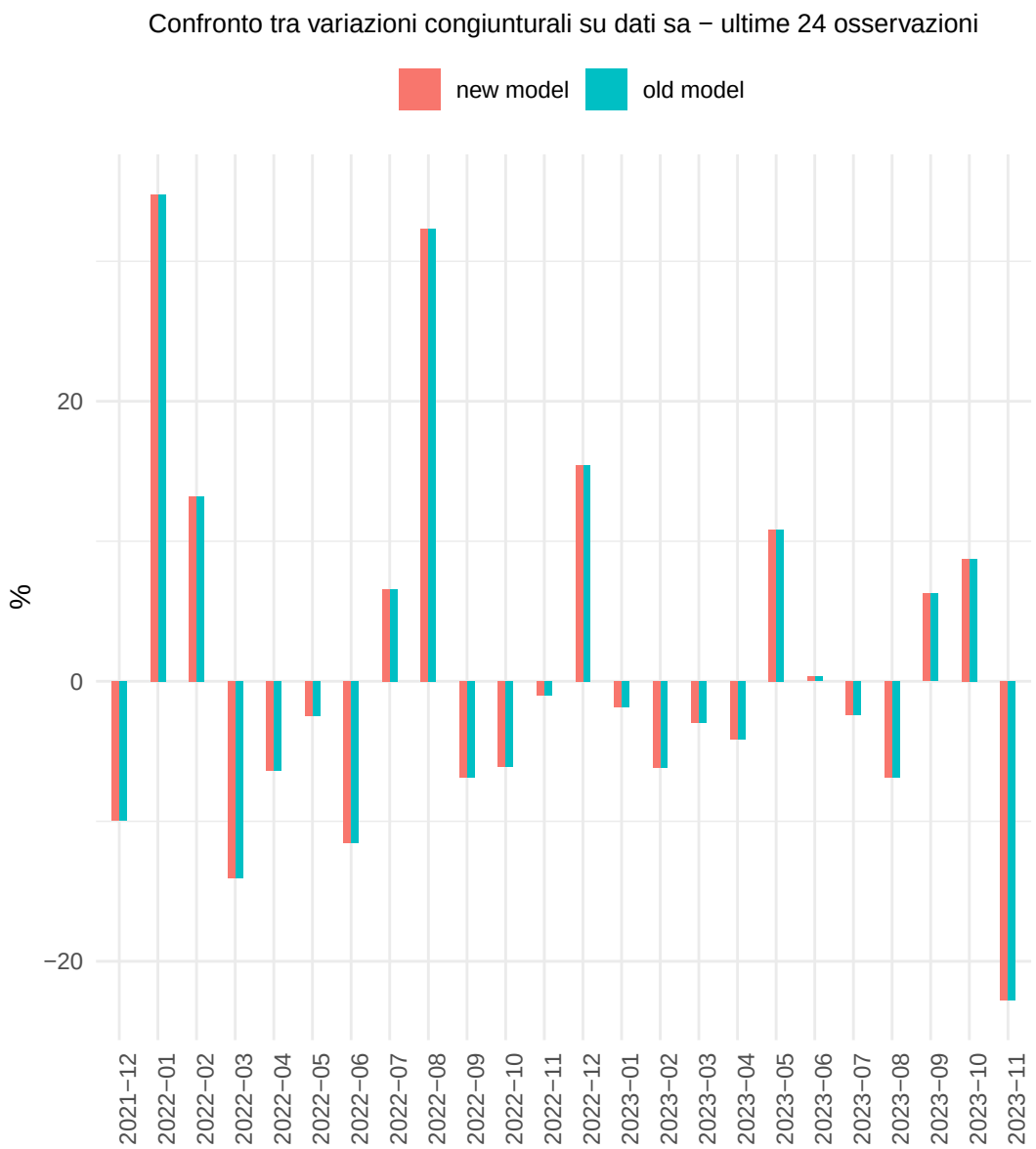

DIVIZ30
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
180
160
140
120
100
80
60
1.0
0.9
0.8
0.7
0.6
0.5
0.4
2005
2010
2015
2020

DIVIZ30


SI ratio
2.5
2.0
1.5
1.0
0.5
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
1000
500
200
100
50
20
10
5
0
1
2
3
4
5
6

DIVIZ30


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
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2022−12
2023−01
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2023−06
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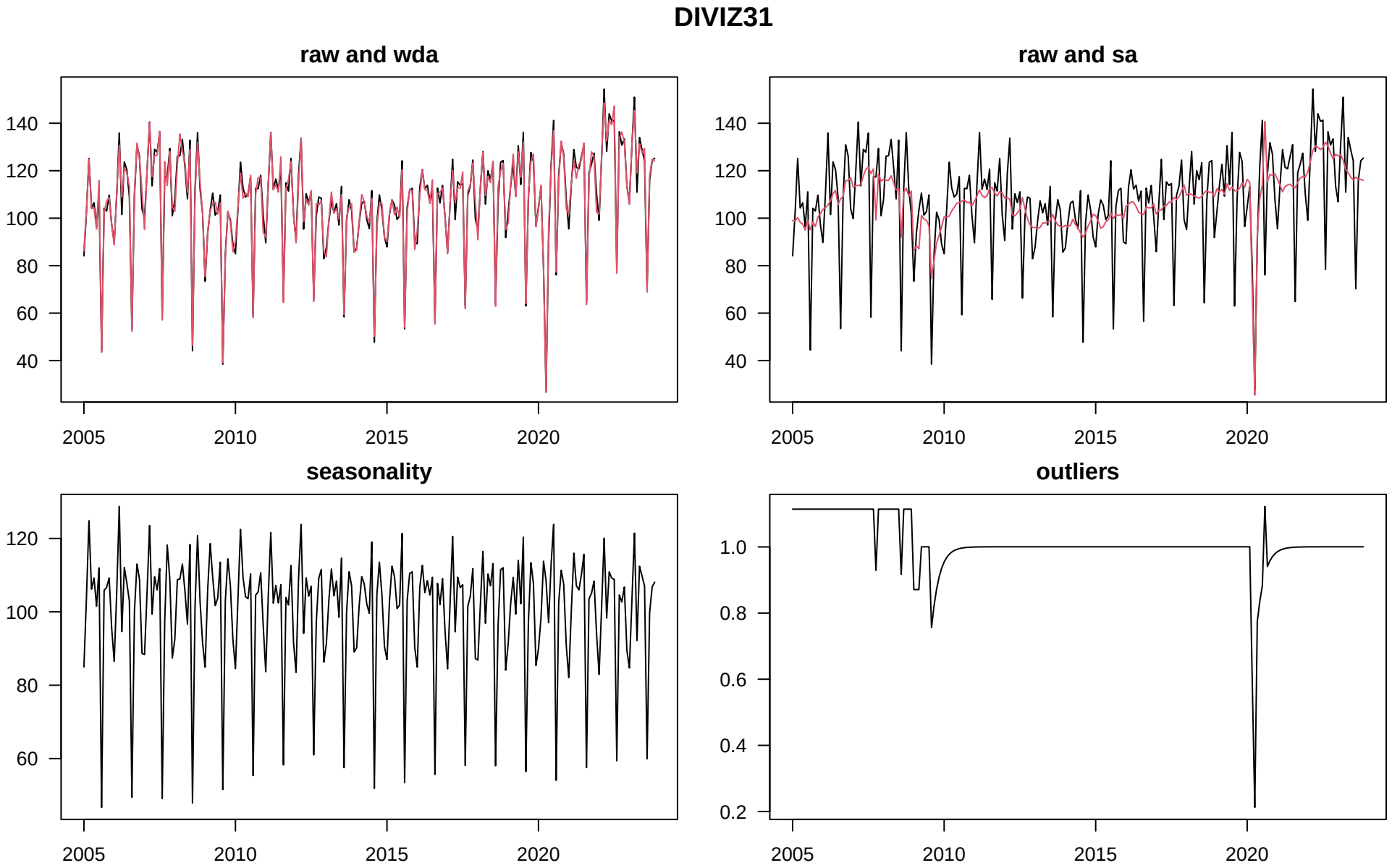
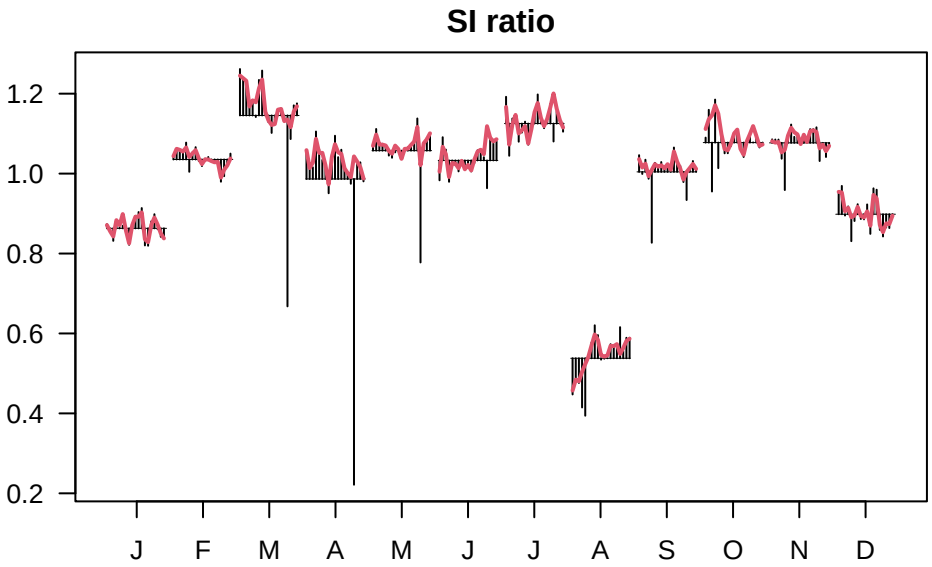
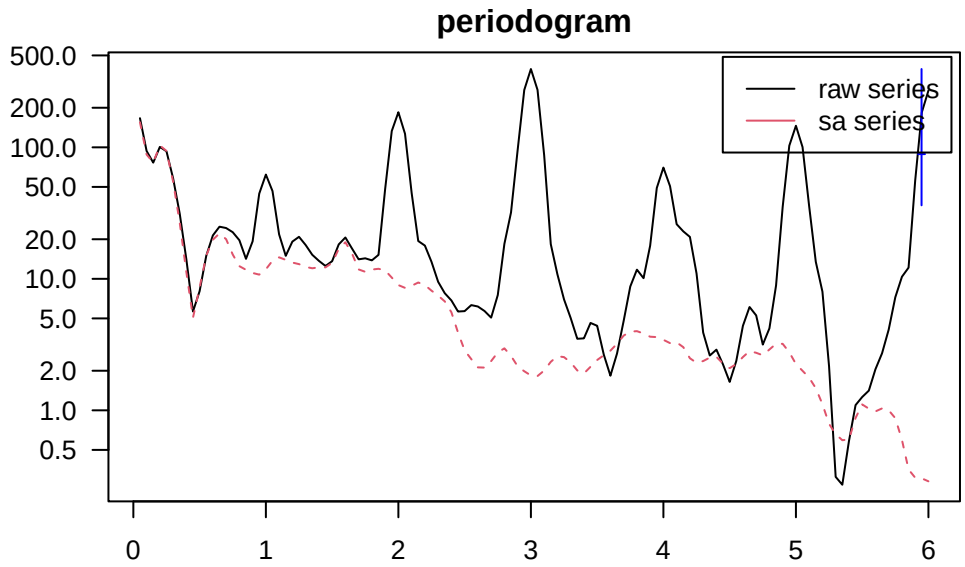
2023−08
2023−09
2023−10
2023−11


DIVIZ31
raw and wda
raw and sa
seasonality
outliers
140
120
100
80
60
40
1.0
0.8
0.6
0.4
0.2
2005
2010
2015
2020

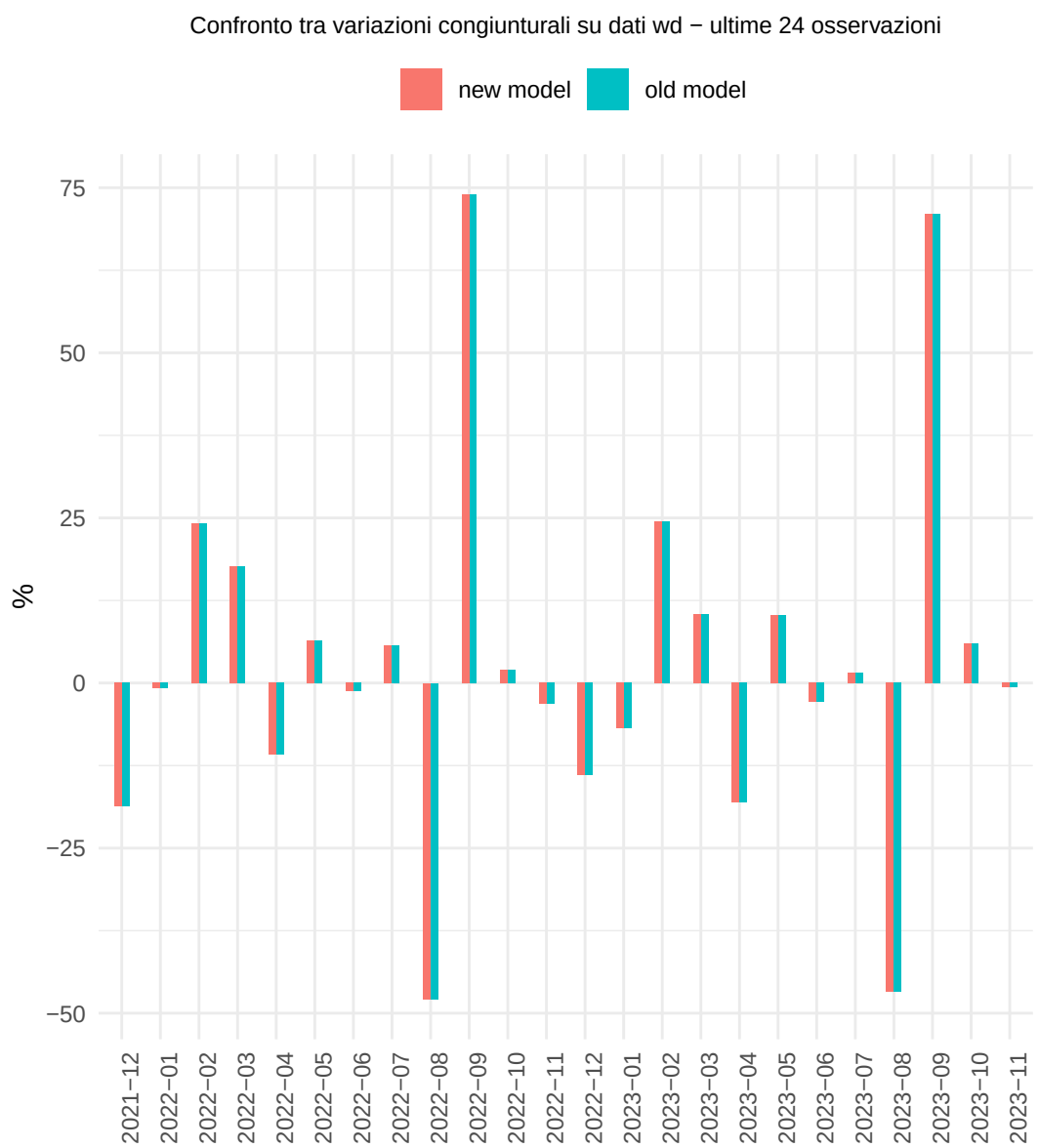
DIVIZ31


SI ratio
1.2
1.0
0.8
0.6
0.4
0.2
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
raw series
sa series
0
1
2
3
4
5
6

DIVIZ31

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
2
0
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
75
50
25
0
−25
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
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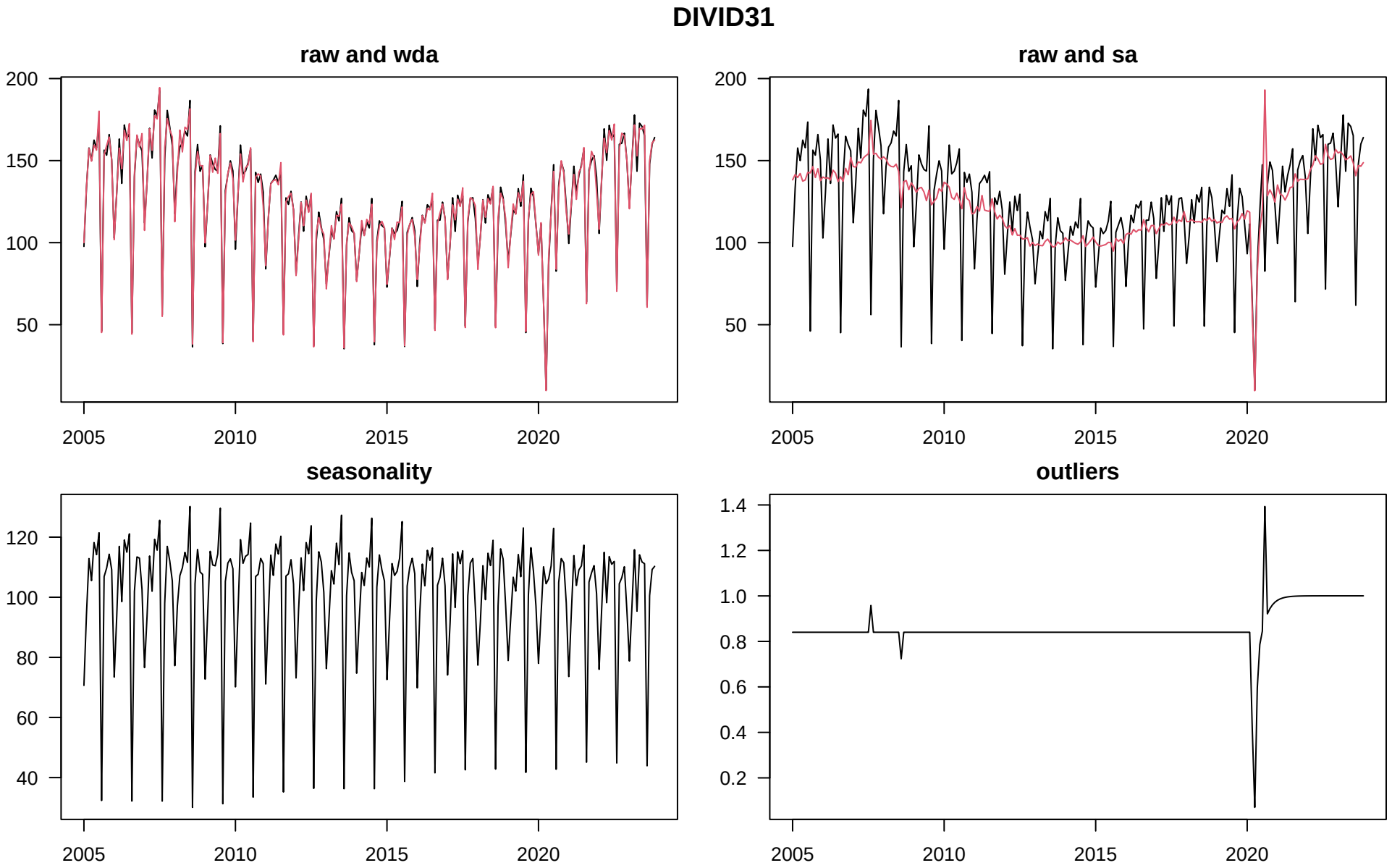
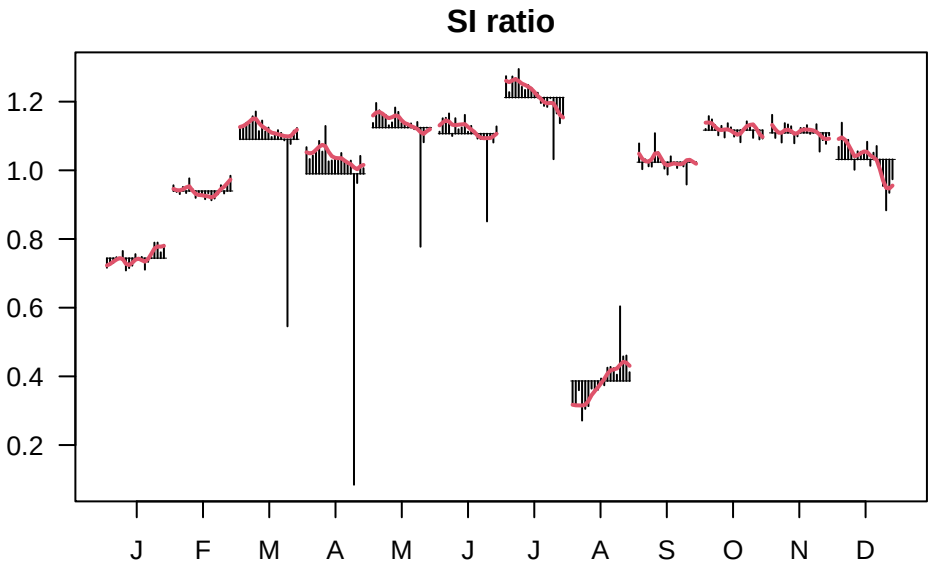
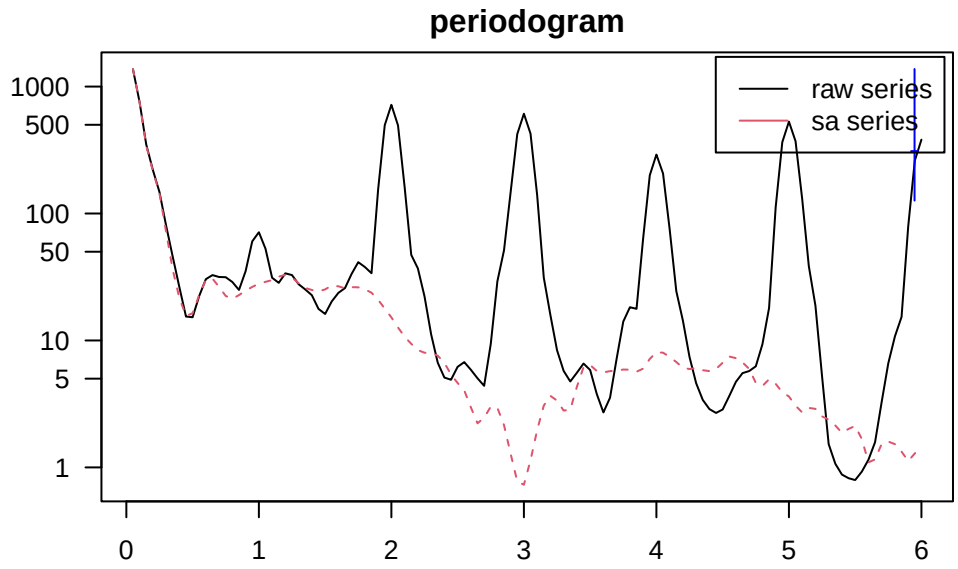
2023−08
2023−09
2023−10
2023−11


DIVID31
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
120
80
60
40
1.4
1.2
1.0
0.8
0.6
0.4
0.2
2005
2010
2015
2020

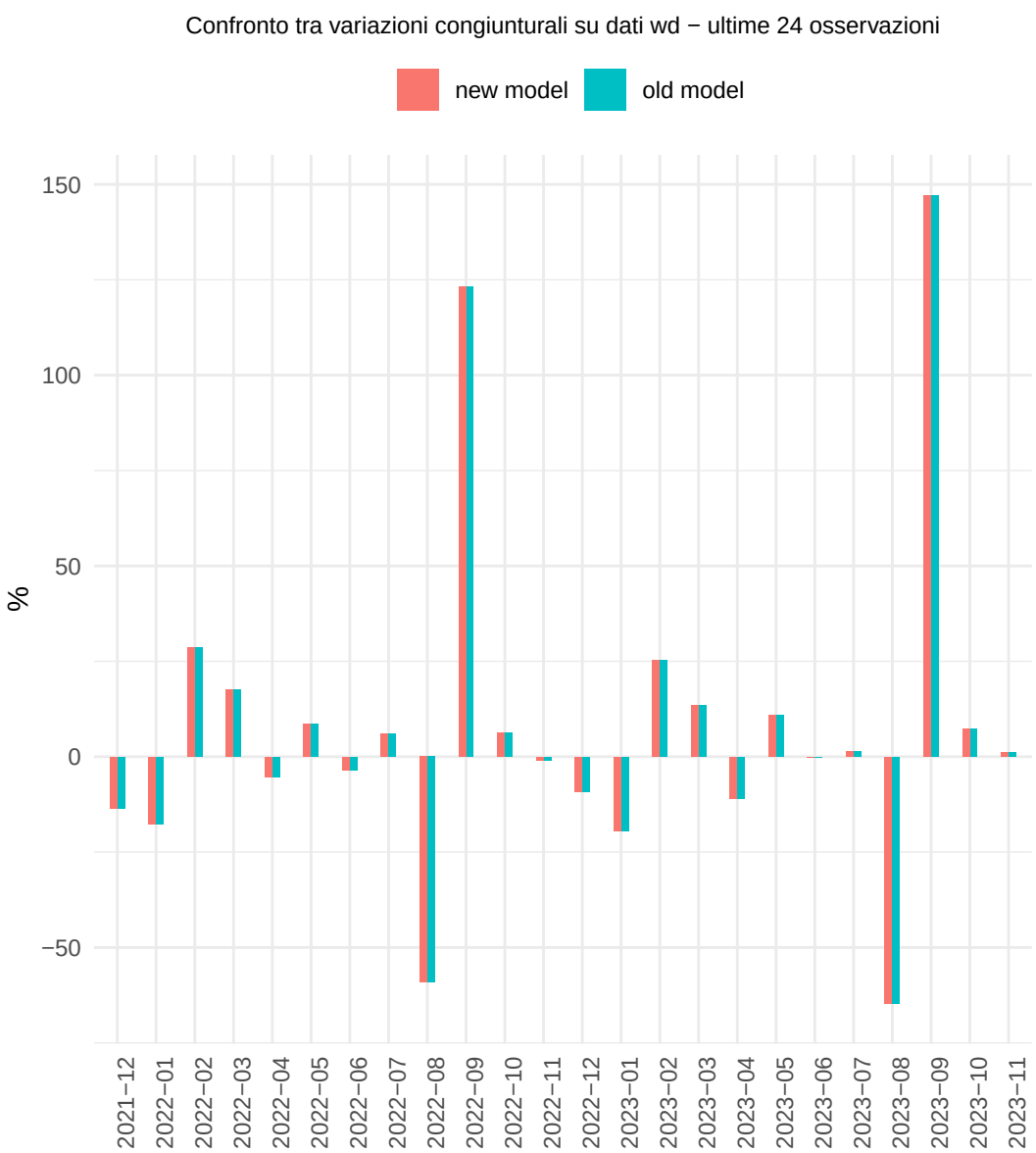
DIVID31

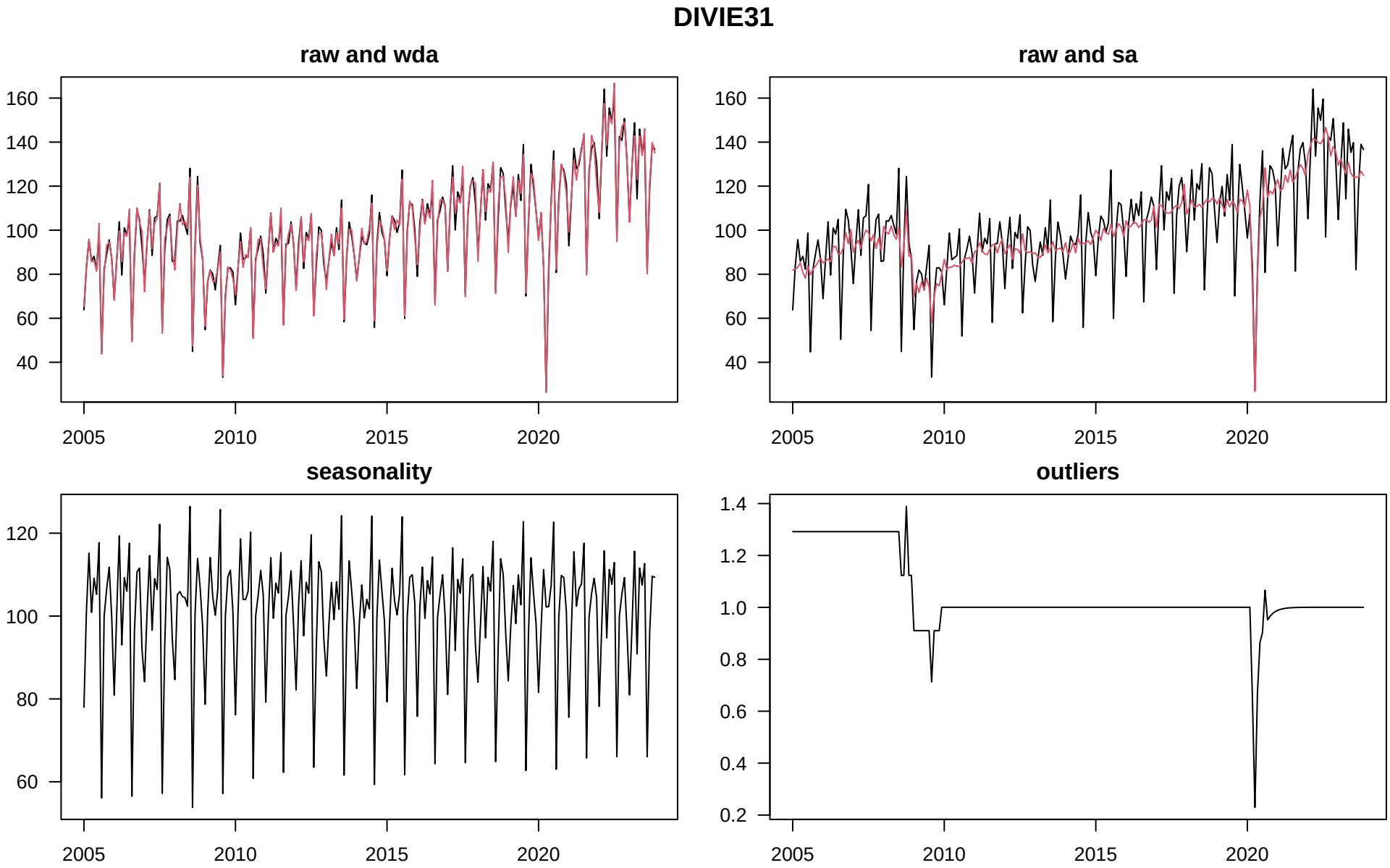

SI ratio
1.2
1.0
0.8
0.6
0.4
0.2
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
1000
500
100
50
10
5
1
0
1
2
3
4
5
6

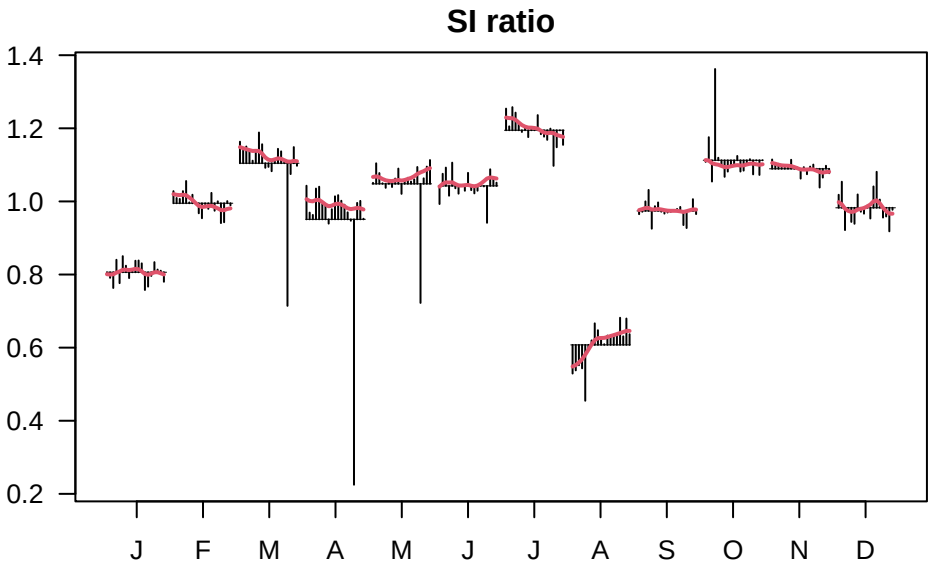
DIVID31

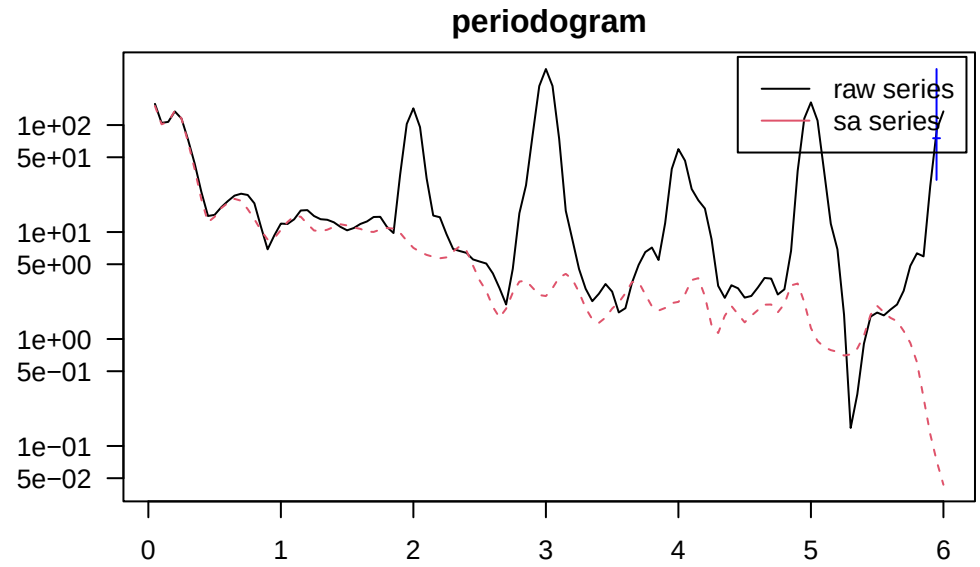
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
150
100
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIE31
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
1.4
1.2
1.0
0.8
0.6
0.4
0.2
2005
2010
2015
2020

DIVIE31

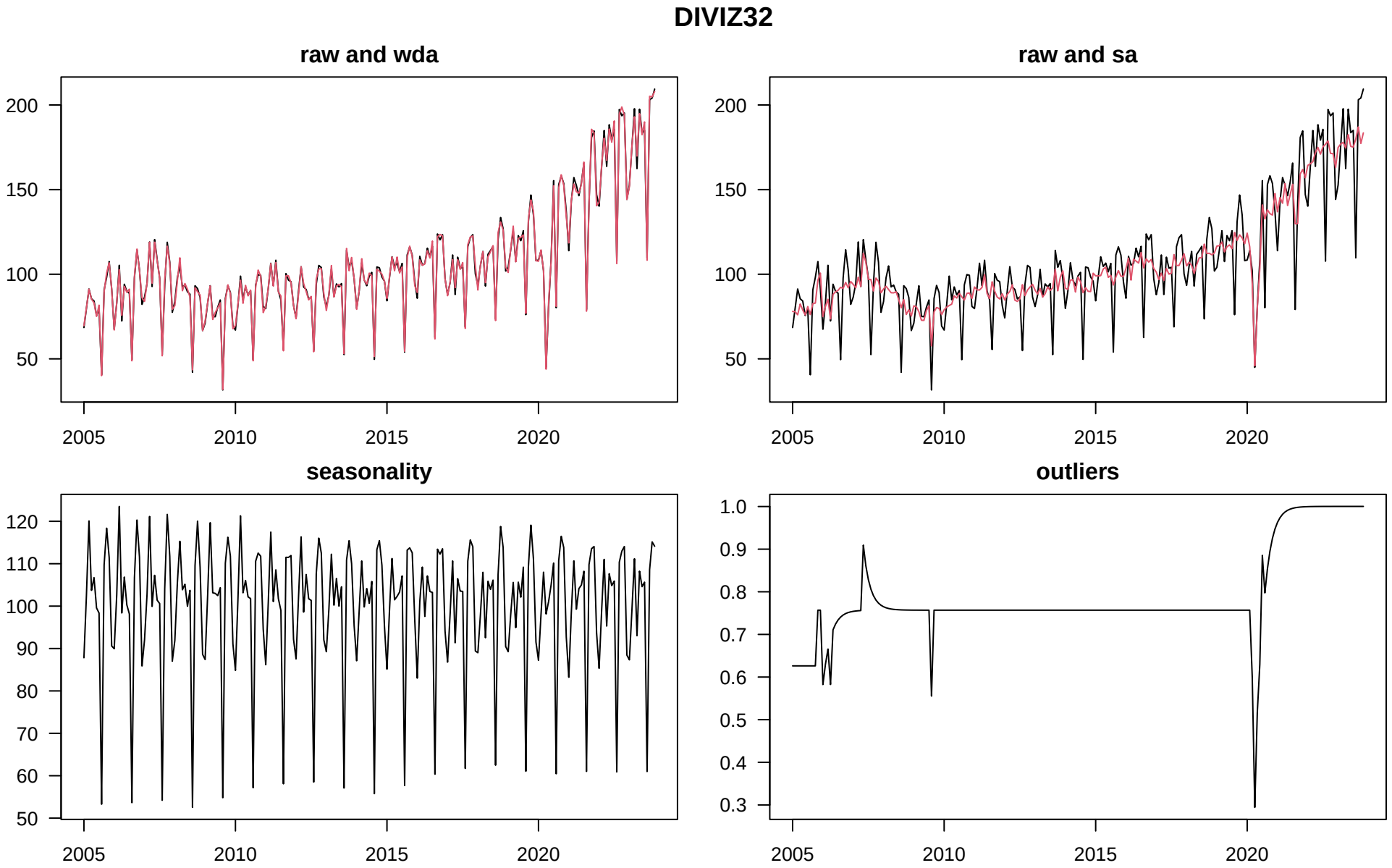

SI ratio
1.4
1.2
1.0
0.8
0.6
0.4
0.2
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6

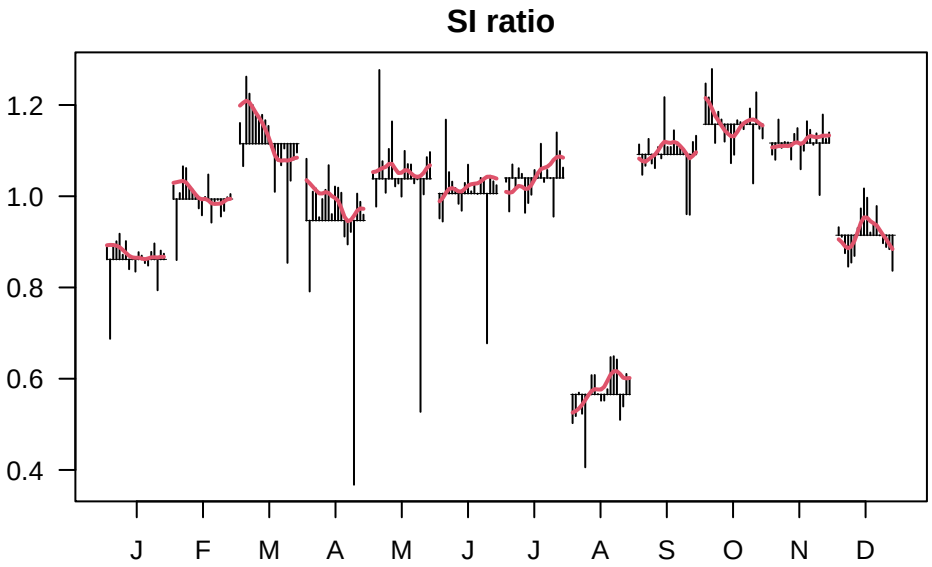
DIVIE31

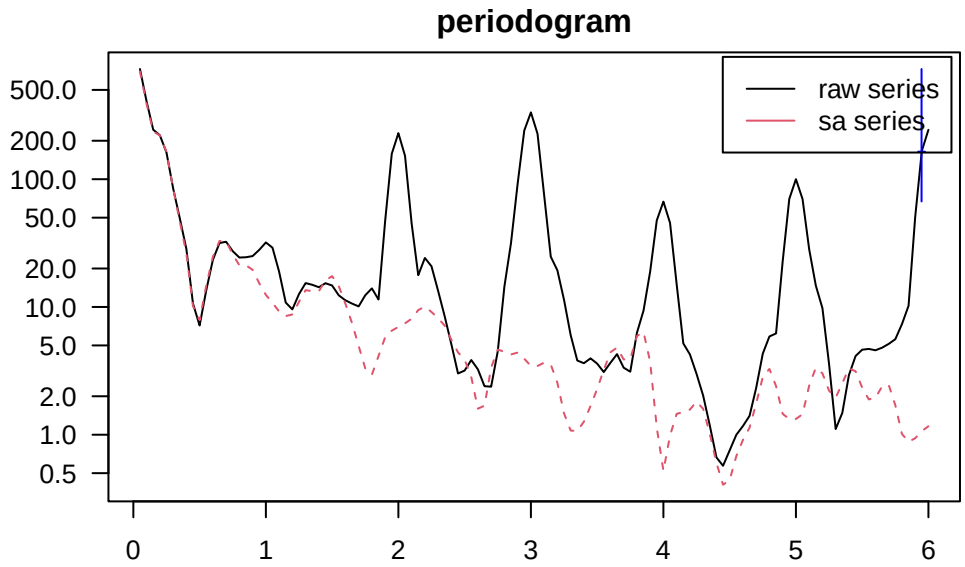
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
8
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
25
0
−25
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIZ32
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
120
110
90
80
70
60
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
2005
2010
2015
2020

DIVIZ32


SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
3
4
5
6

DIVIZ32

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
7.5
5.0
2.5
0.0
−2.5
−5.0
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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2023−08
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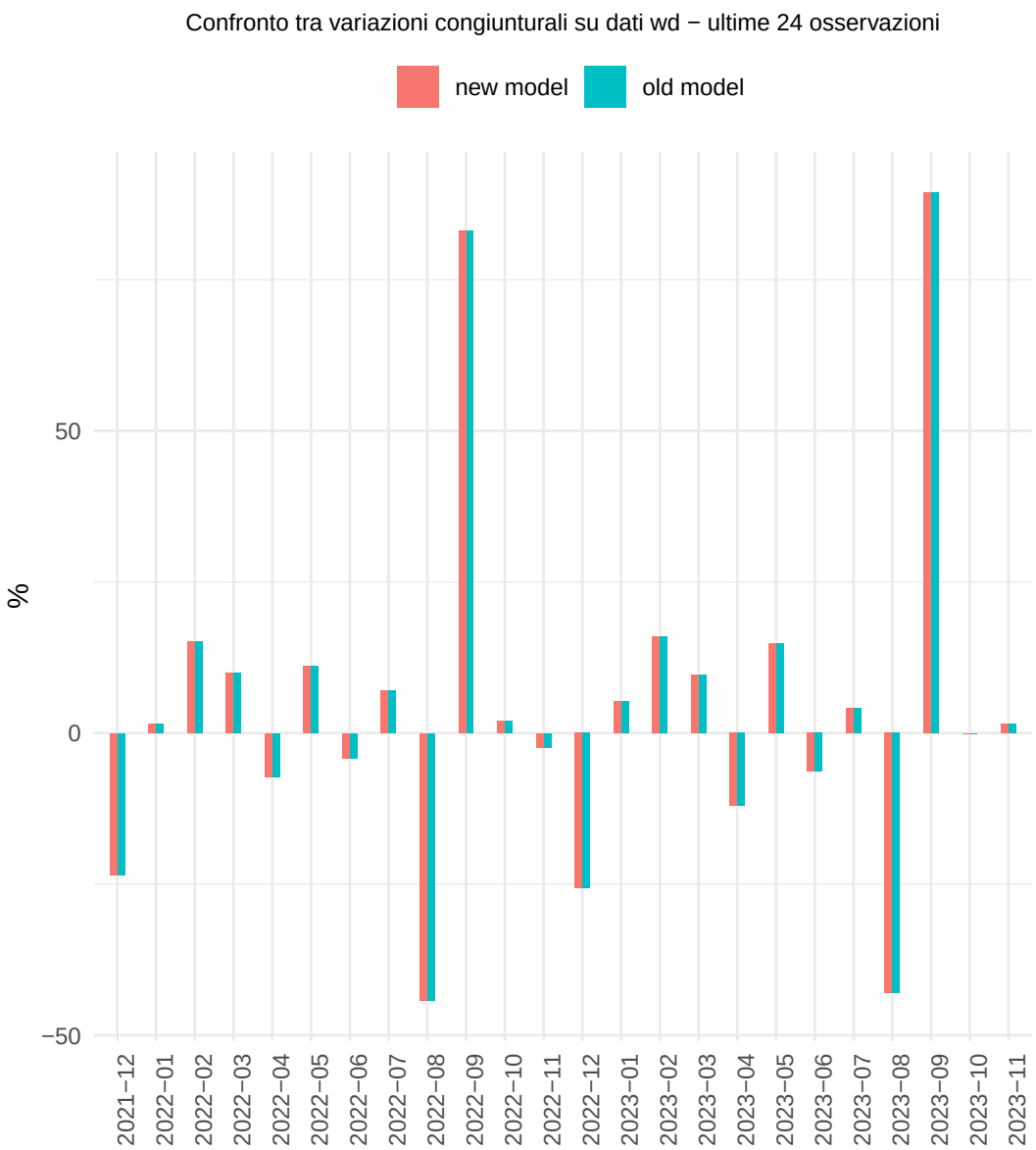
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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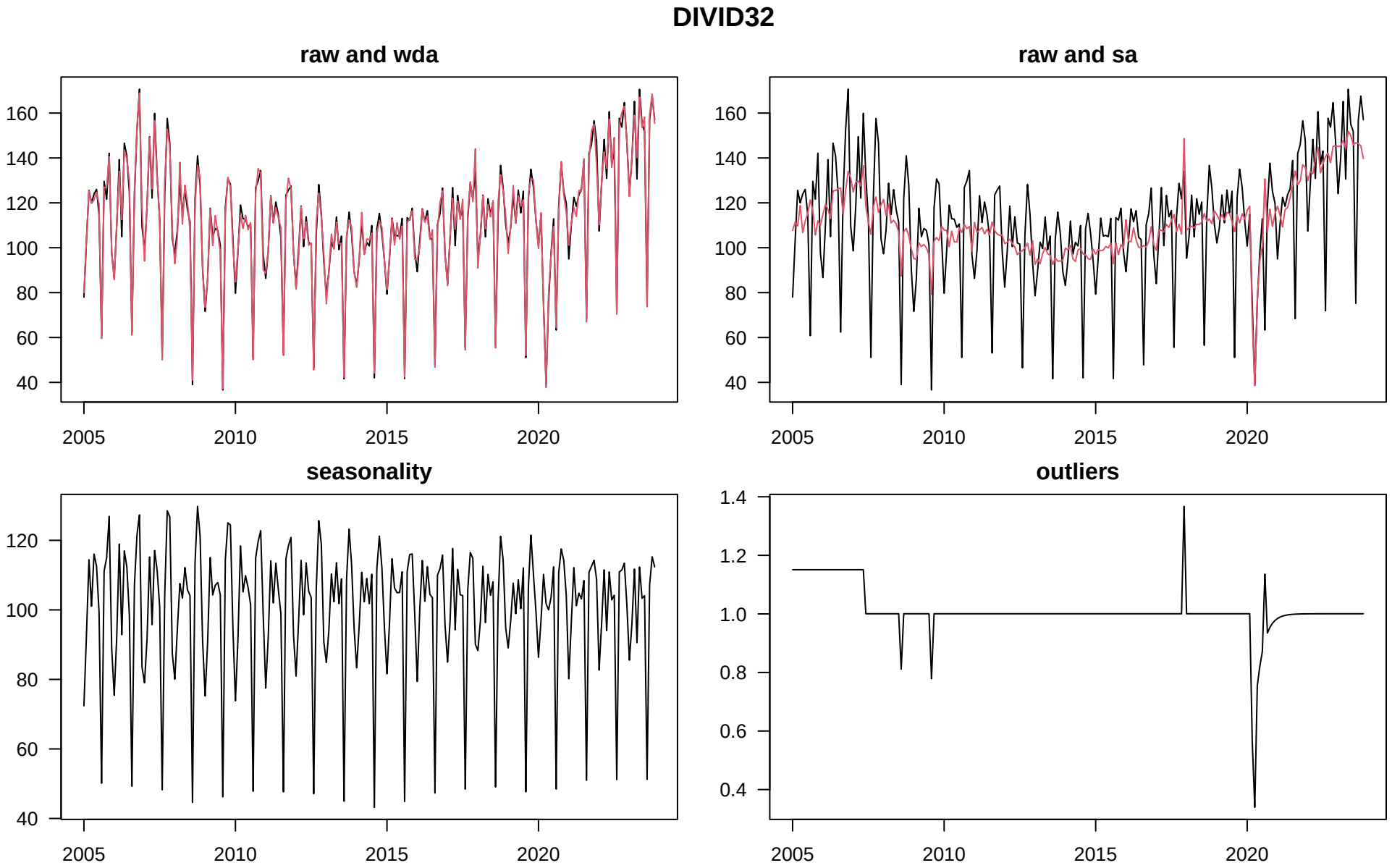
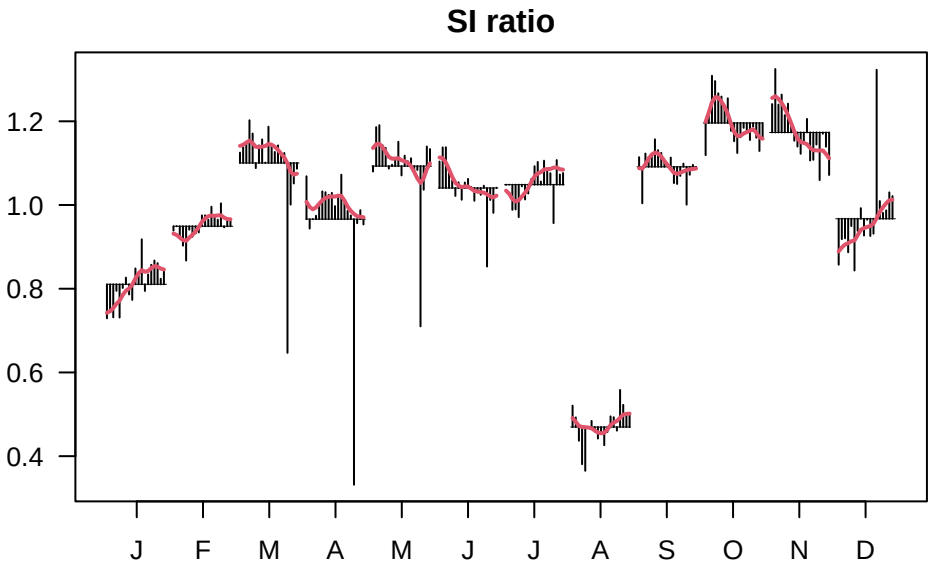
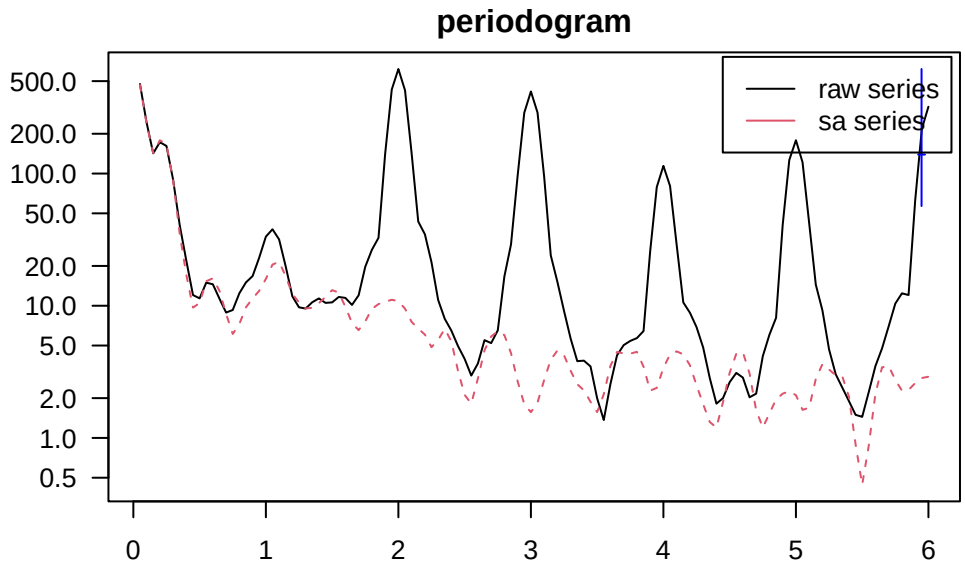
2023−10
2023−11


DIVID32
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
1.4
1.2
1.0
0.8
0.6
0.4
2005
2010
2015
2020

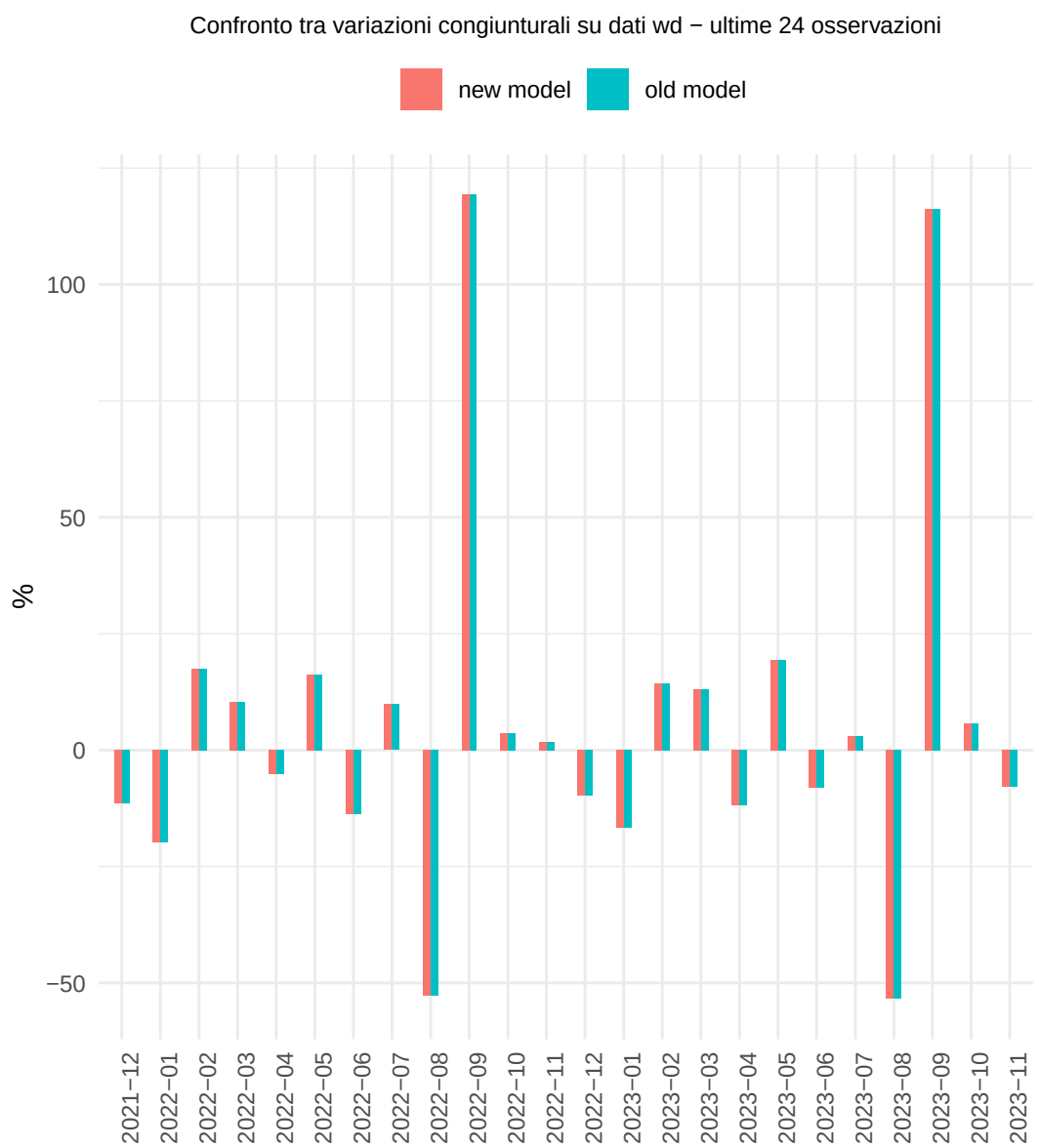
DIVID32

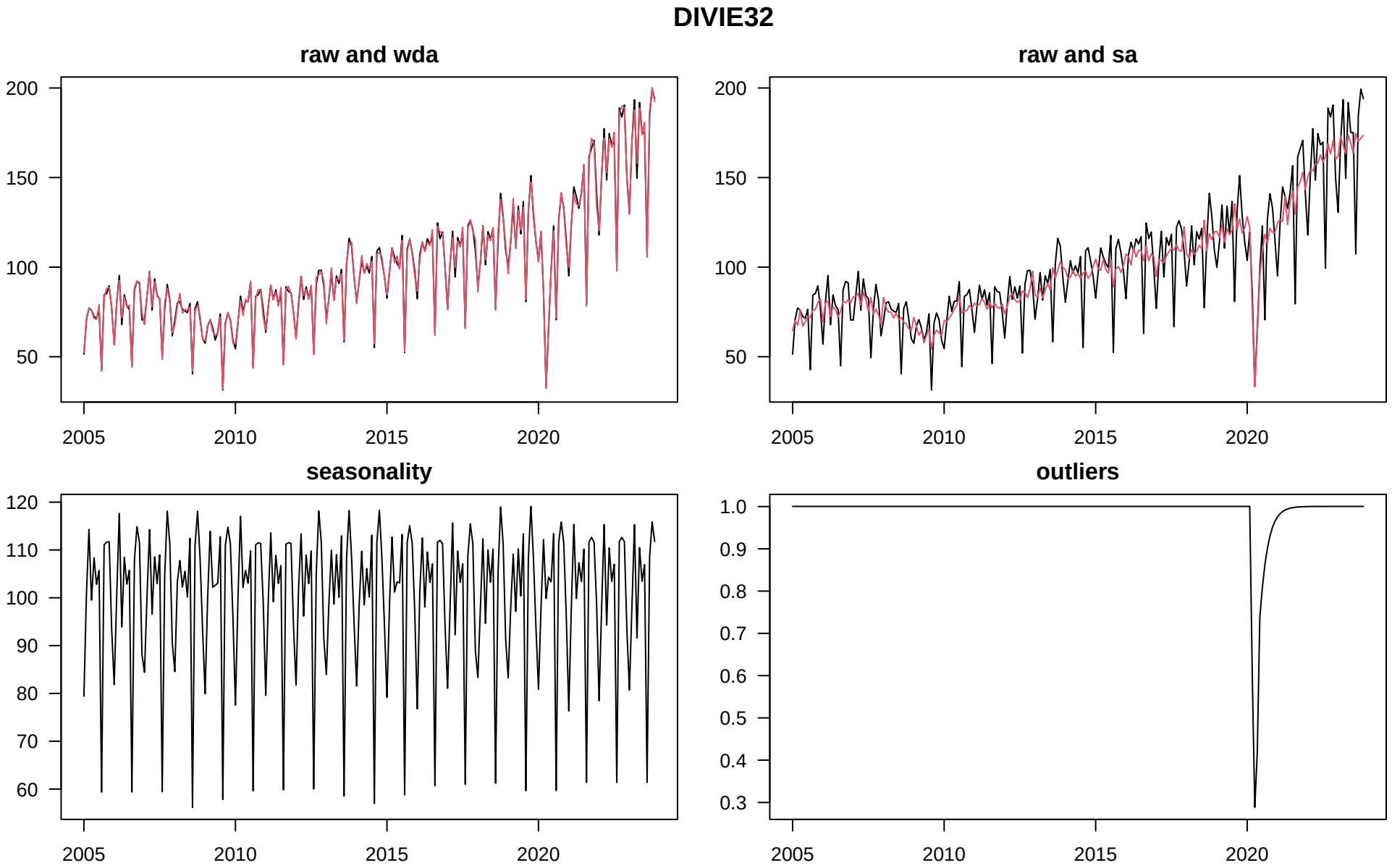

SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
3
4
5
6
raw series
sa series

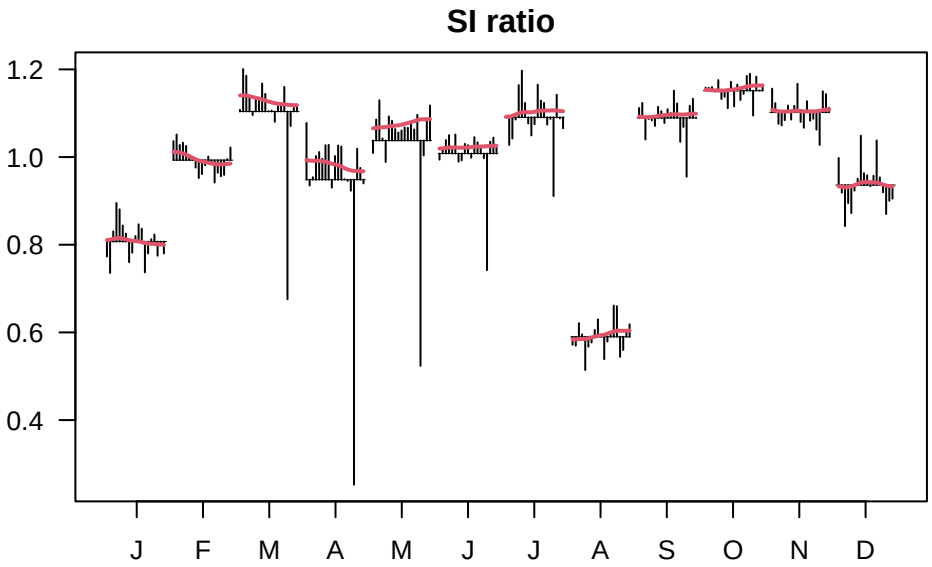
DIVID32

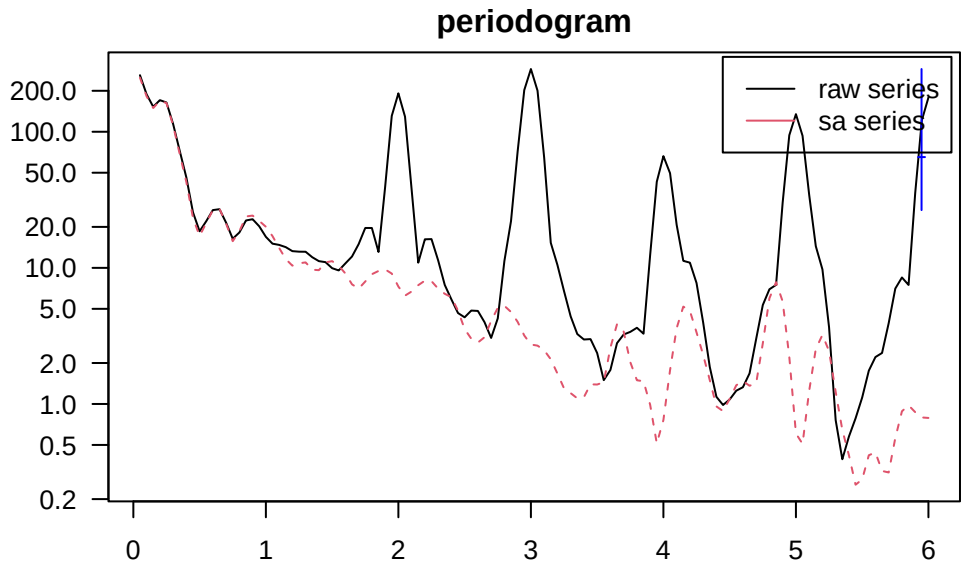
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
100
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIE32
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
120
110
100
90
80
70
60
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
2005
2010
2015
2020

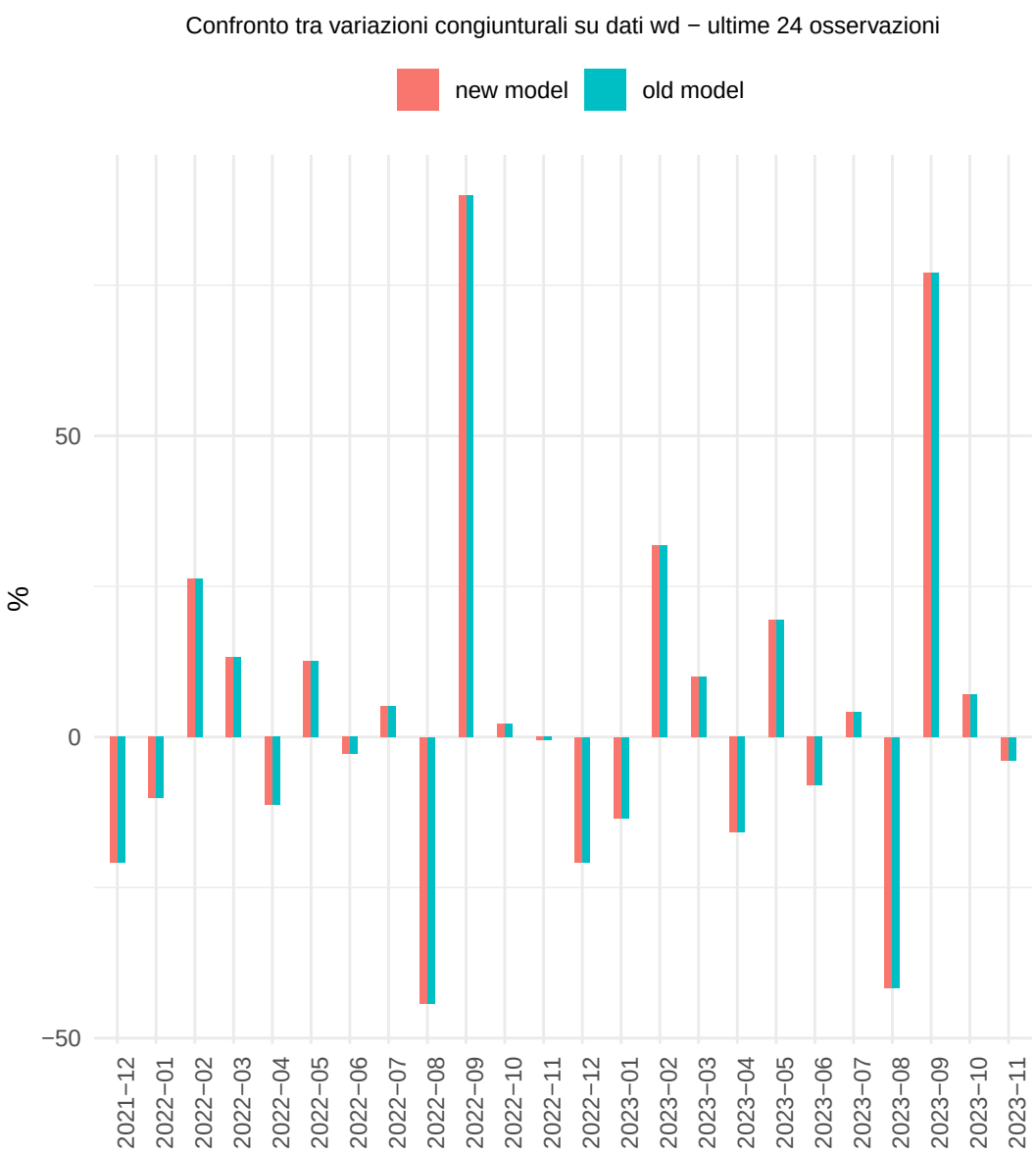
DIVIE32

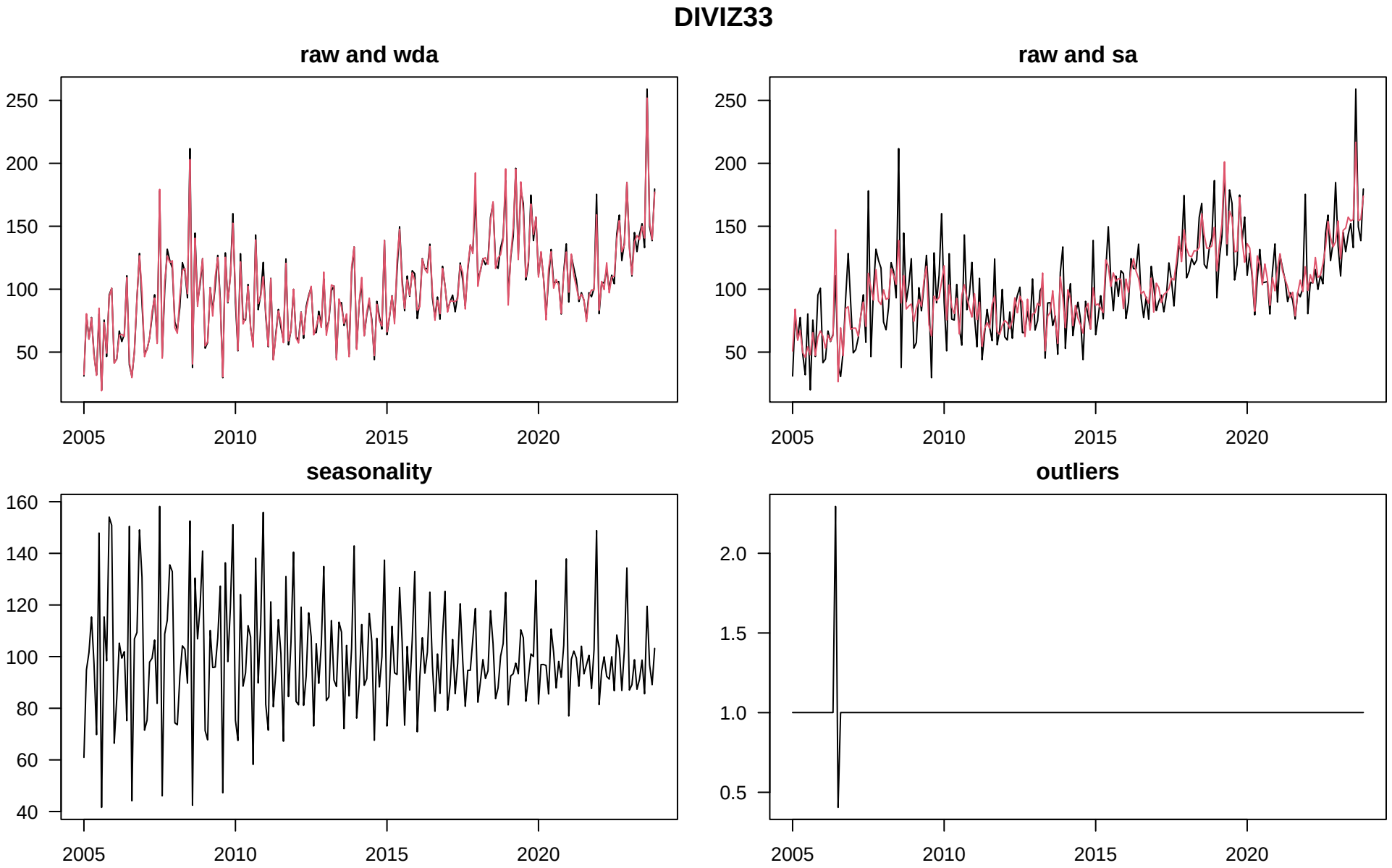

SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6

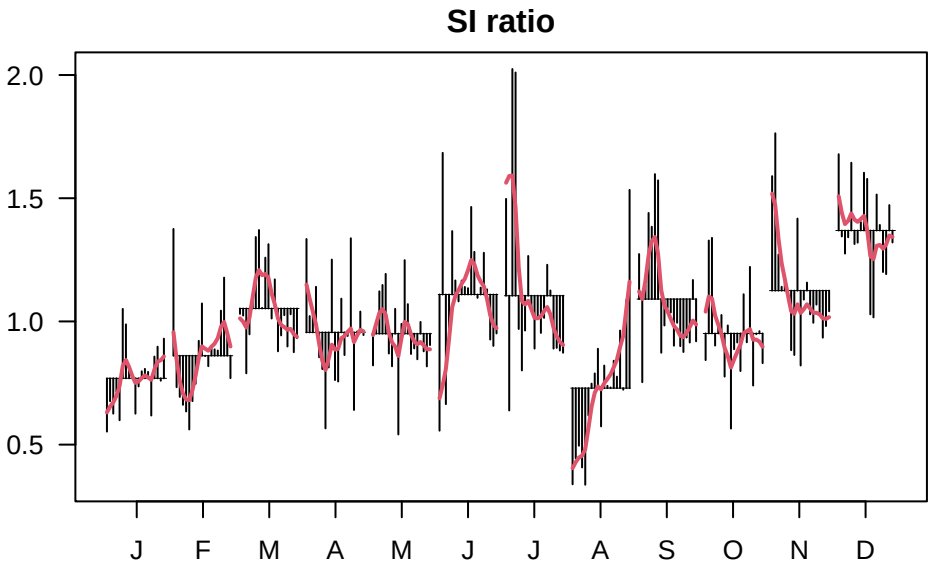
DIVIE32

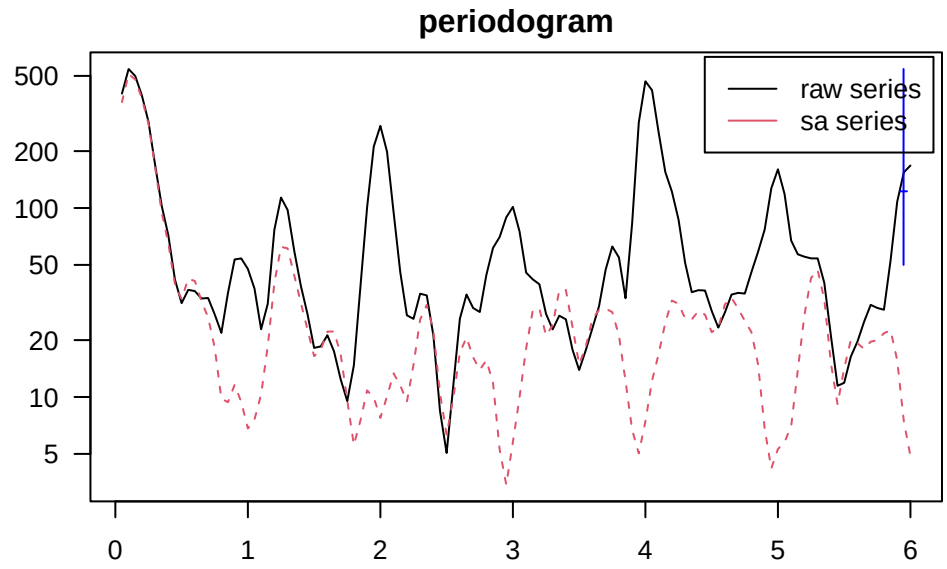
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVIZ33
raw and wda
raw and sa
seasonality
outliers
250
200
150
100
50
160
140
120
100
80
60
40
2.0
1.5
1.0
0.5
2005
2010
2015
2020

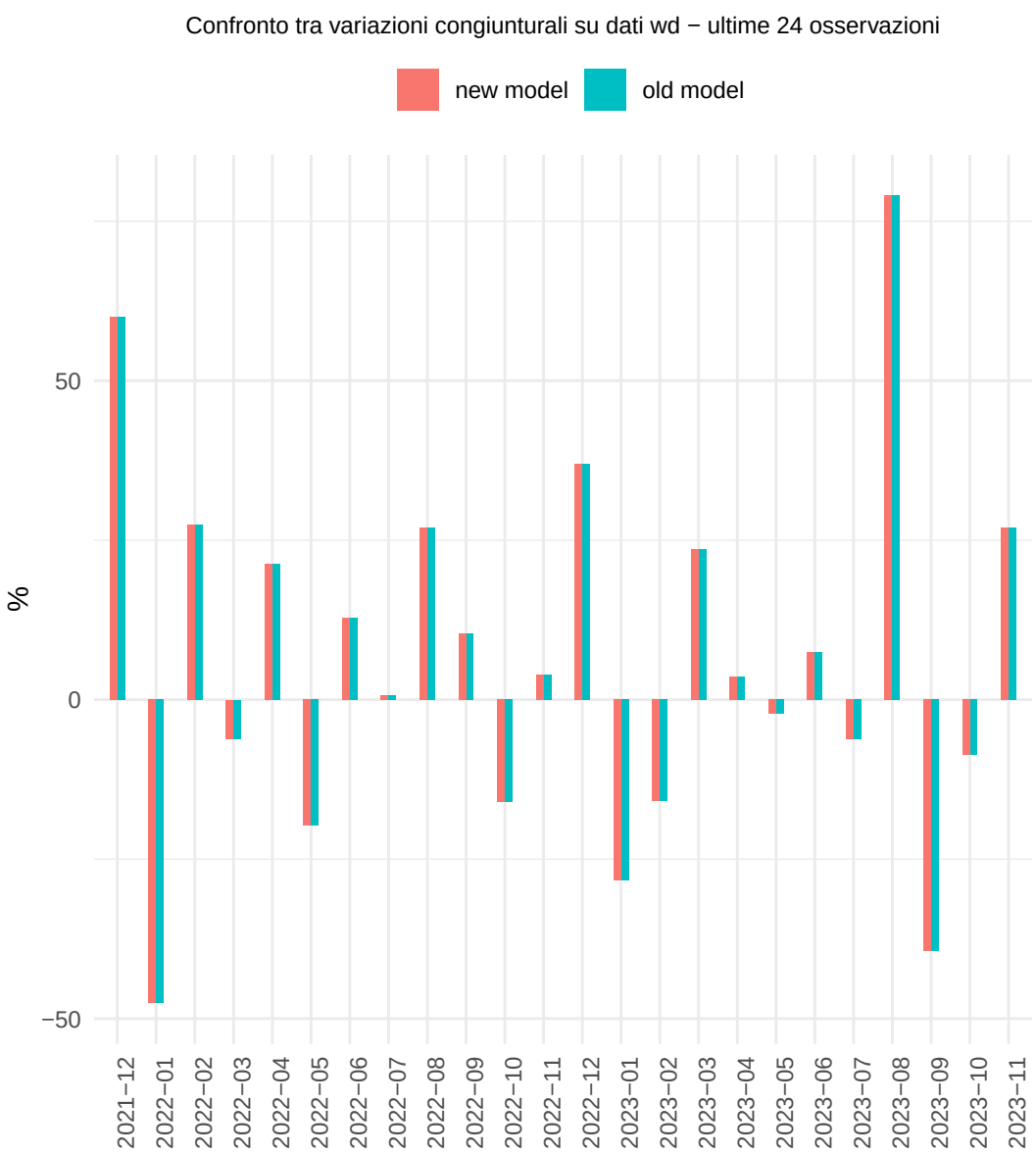
DIVIZ33

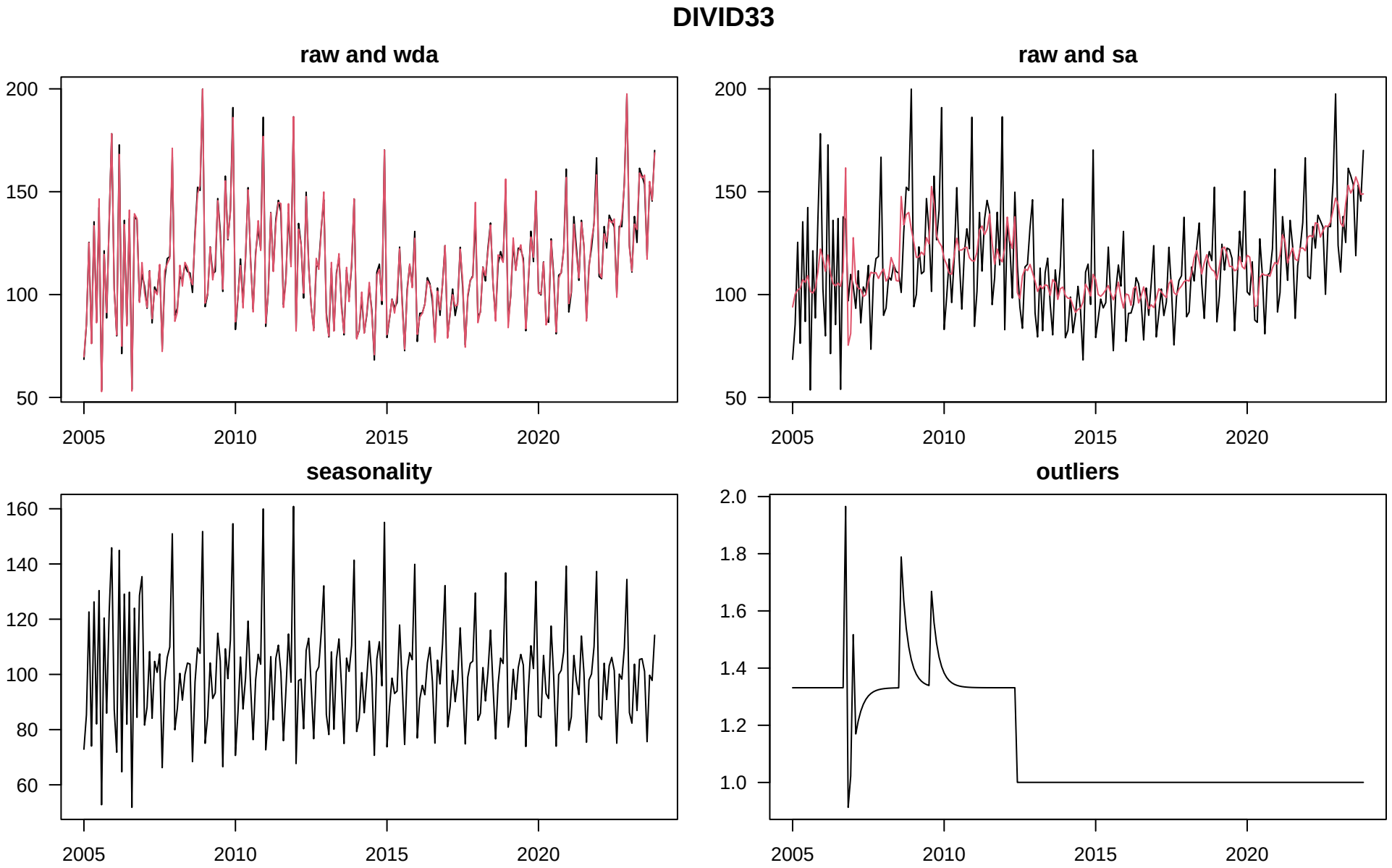

SI ratio
2.0
1.5
1.0
0.5
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
500
200
100
50
20
10
5
0
1
2
3
4
5
6

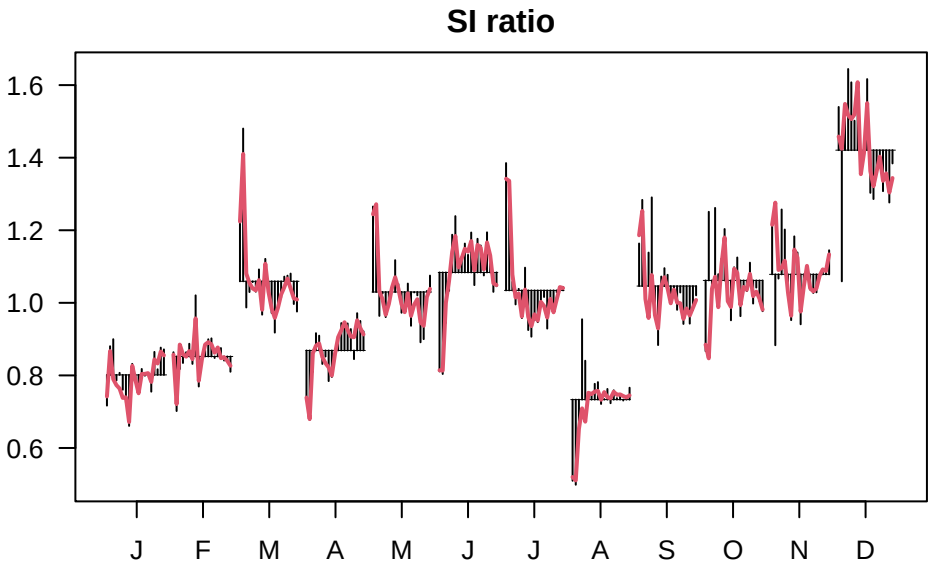
DIVIZ33

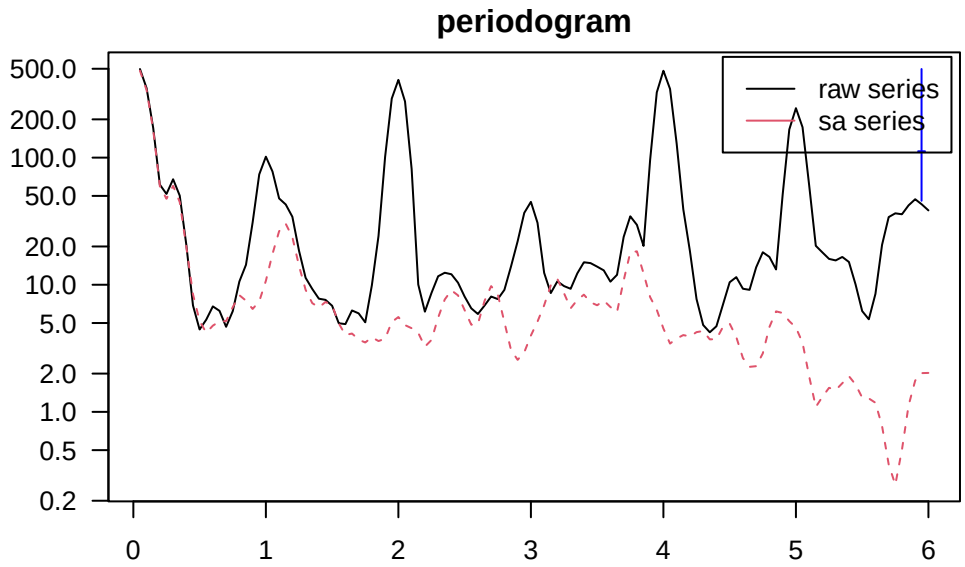
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DIVID33
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
160
140
120
100
80
60
2.0
1.8
1.6
1.4
1.2
1.0
2005
2010
2015
2020

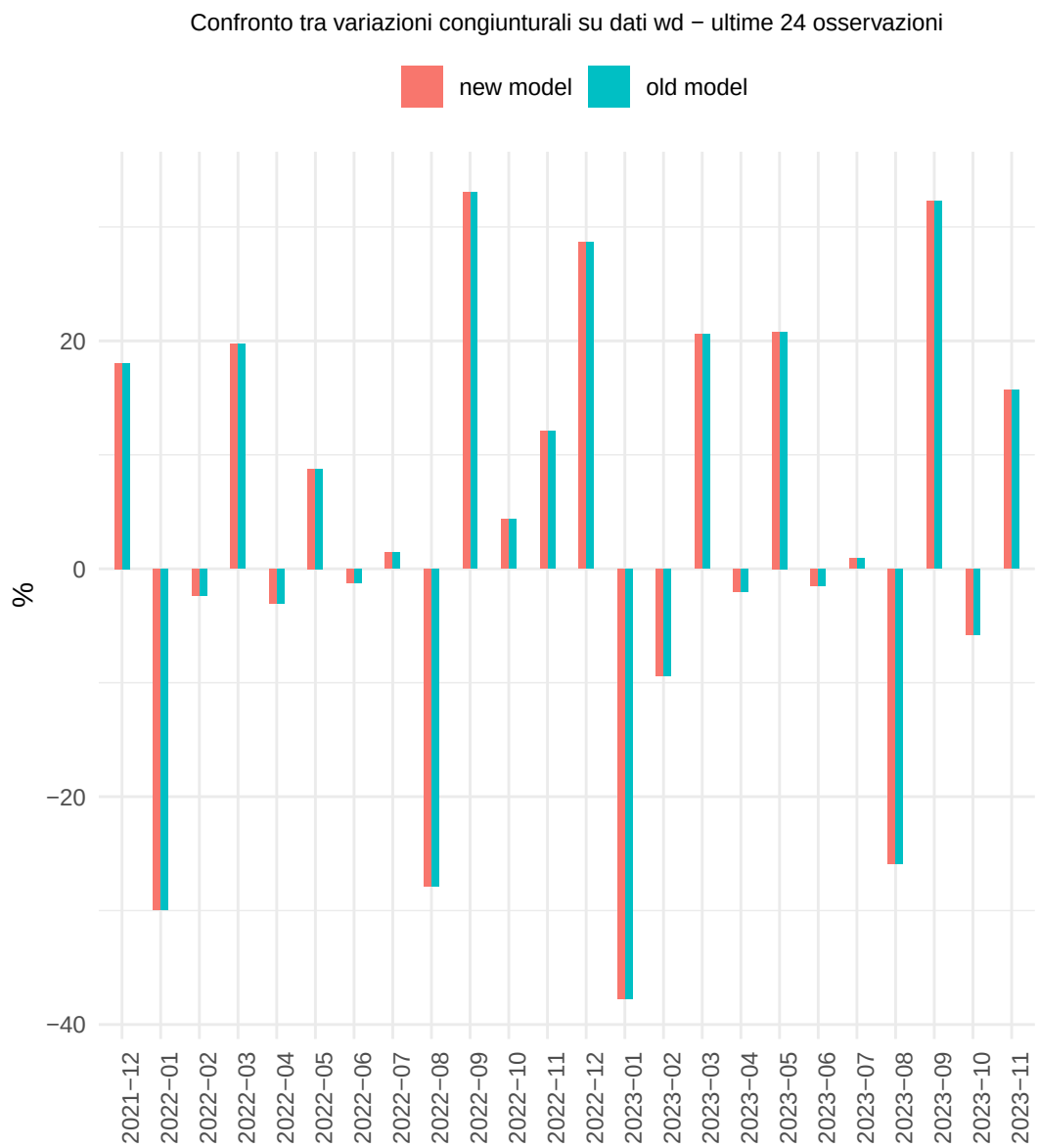
DIVID33

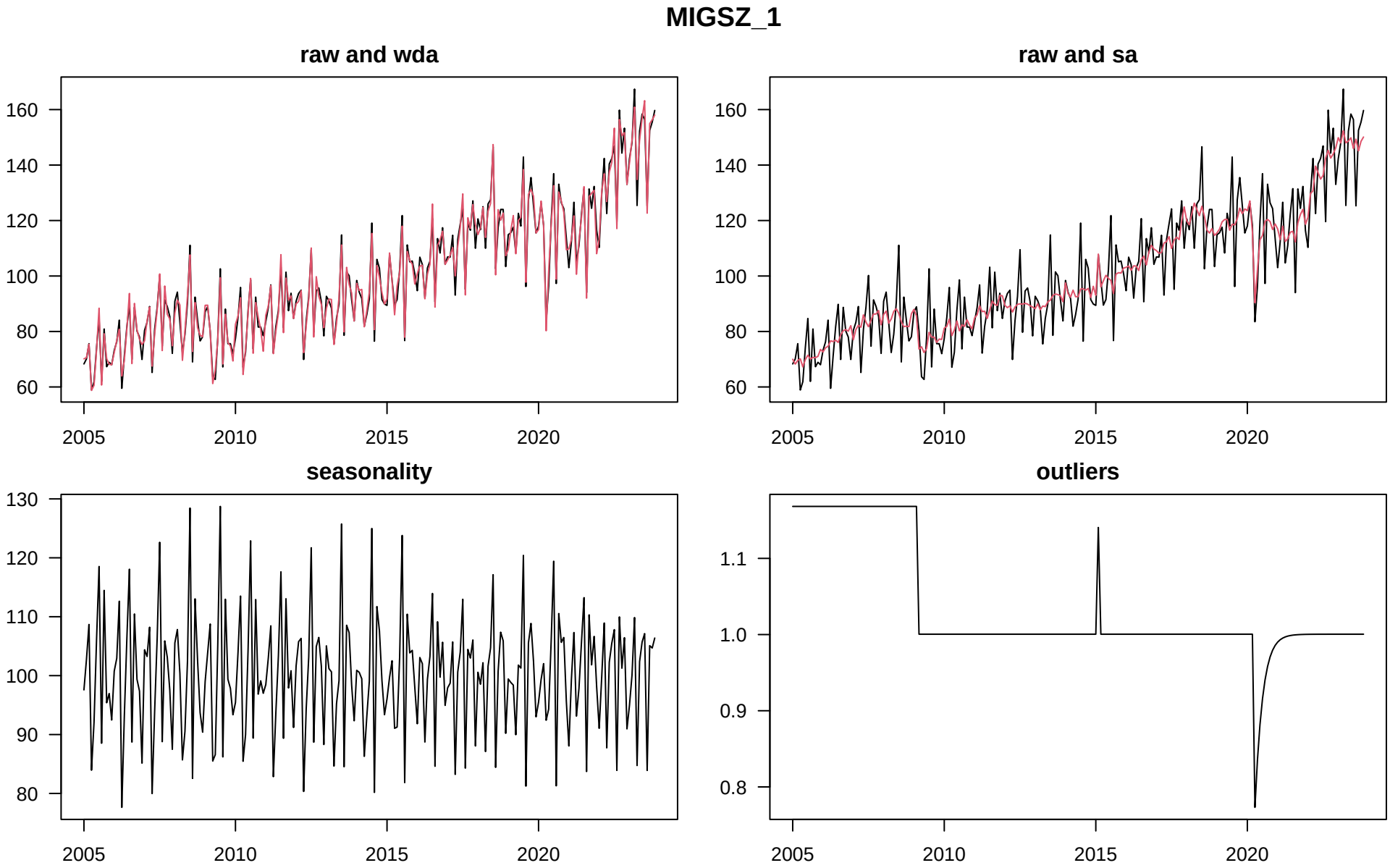

SI ratio
1.6
1.4
1.2
1.0
0.8
0.6
J
F
M
A
M
J
J
A
S
O
N
D

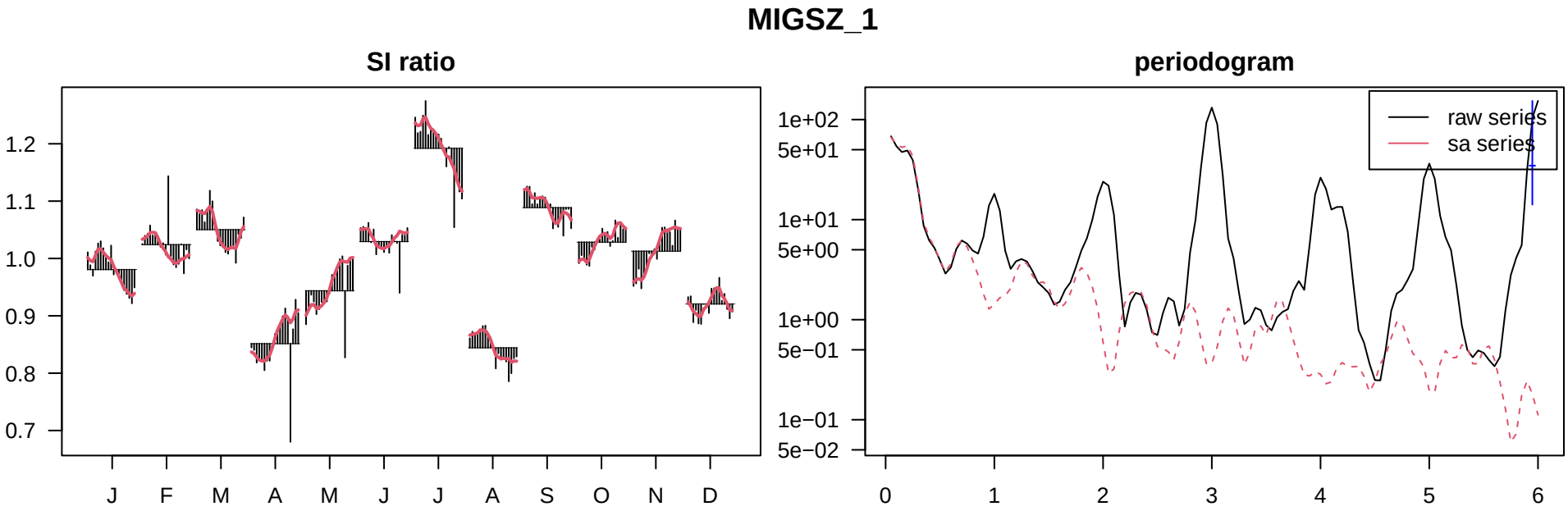

periodogram
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6
raw series
sa series

DIVID33

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
8
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
0
−20
−40
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

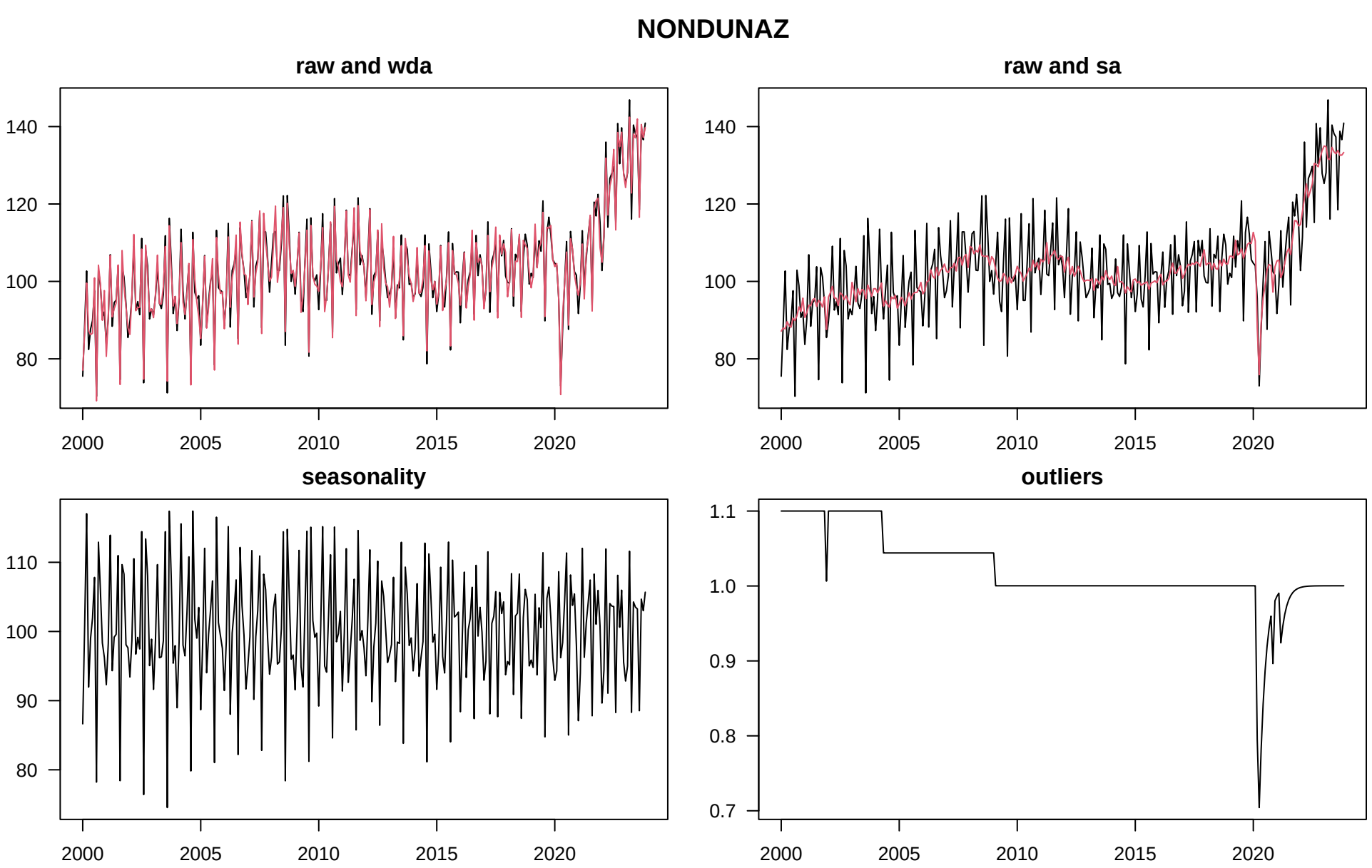

MIGSZ_1
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
130
110
90
1.1
1.0
0.9
0.8
2005
2010
2015
2020


MIGSZ_1
SI ratio
periodogram
1.2
1.1
1.0
0.9
0.8
0.7
J
F
M
A
M
J
J
A
S
O
N
D
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
raw series
sa series
0
1
2
3
4
5
6

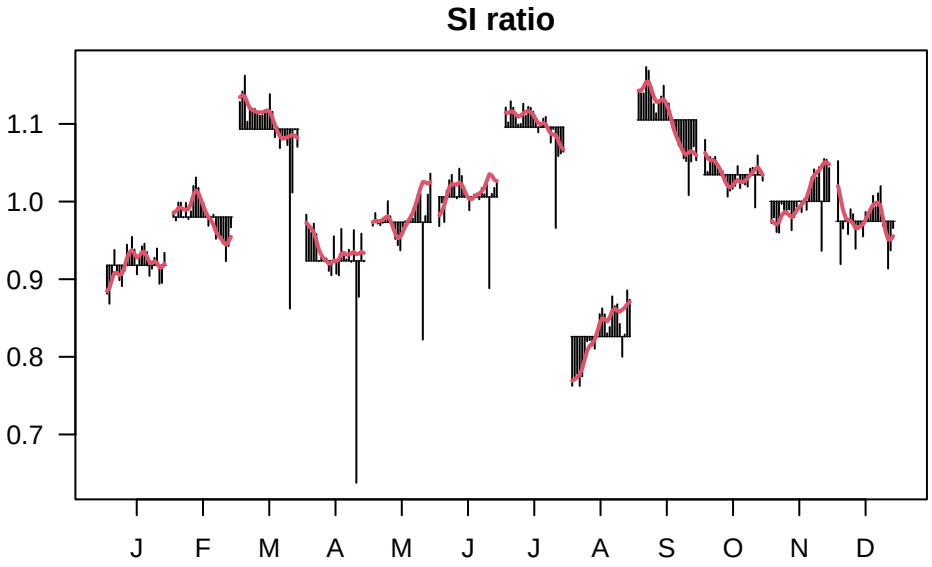
MIGSZ_1

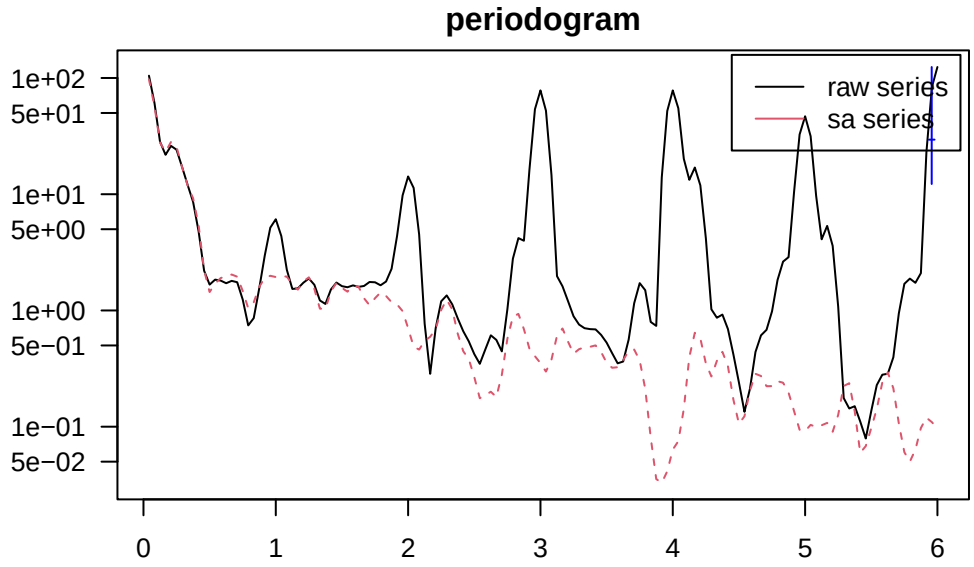
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
7.5
5.0
2.5
0.0
−2.5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


NONDUNAZ
raw and wda
raw and sa
seasonality
outliers
140
120
100
80
110
90
1.1
1.0
0.9
0.8
0.7
2000
2005
2010
2015
2020

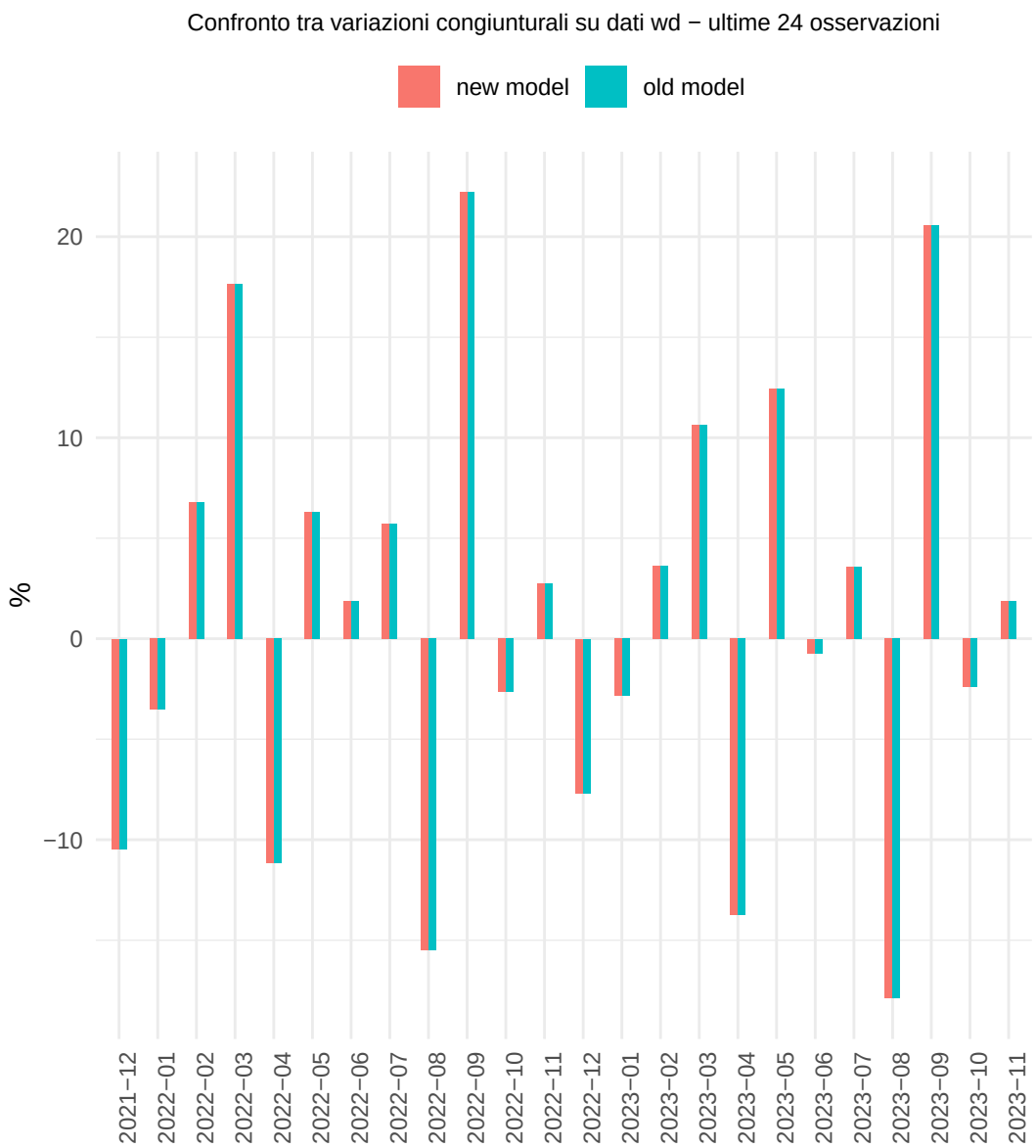
NONDUNAZ

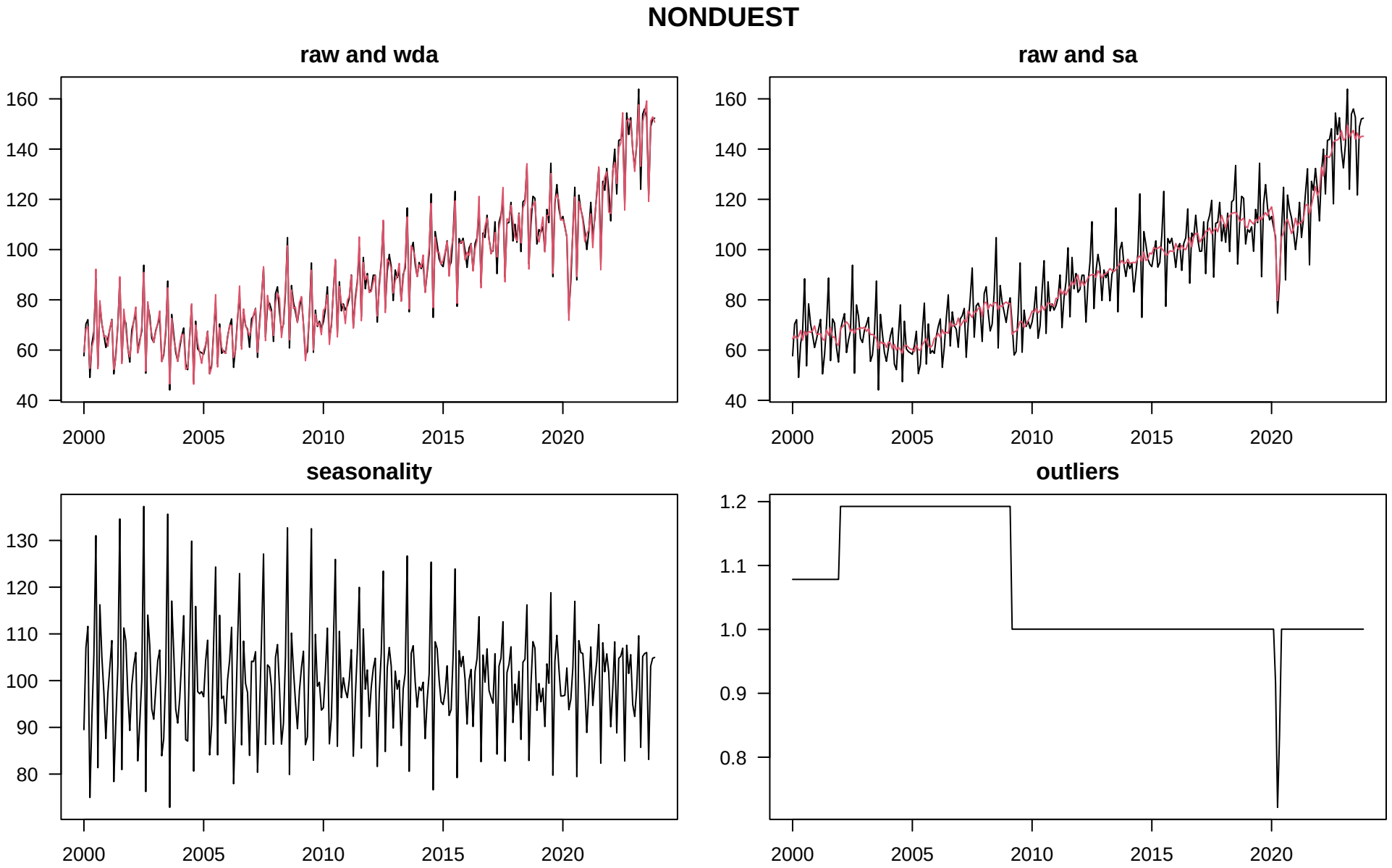

SI ratio
1.1
1.0
0.9
0.8
0.7
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6

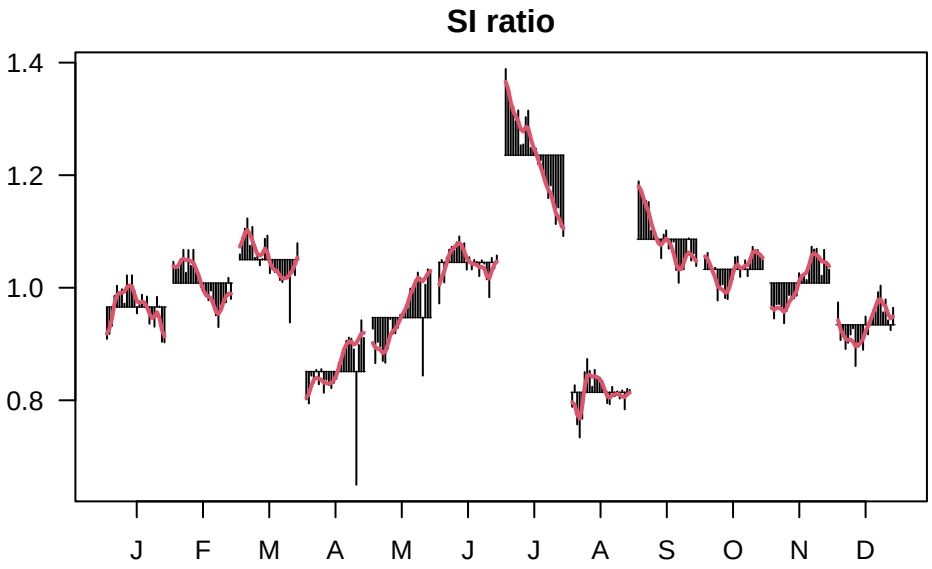
NONDUNAZ

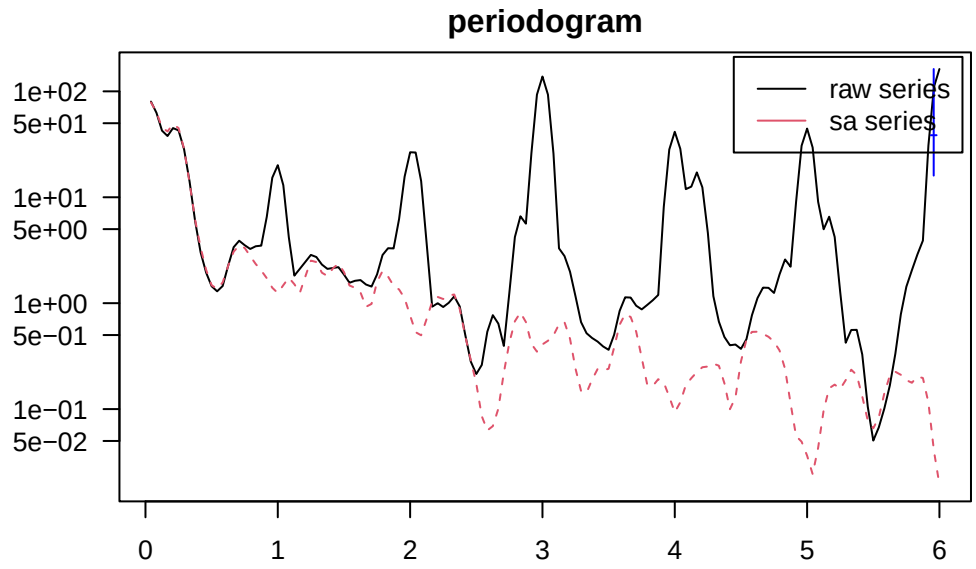
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
2
0
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


NONDUEST
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
130
110
90
1.2
1.1
1.0
0.9
0.8
2000
2005
2010
2015
2020

NONDUEST

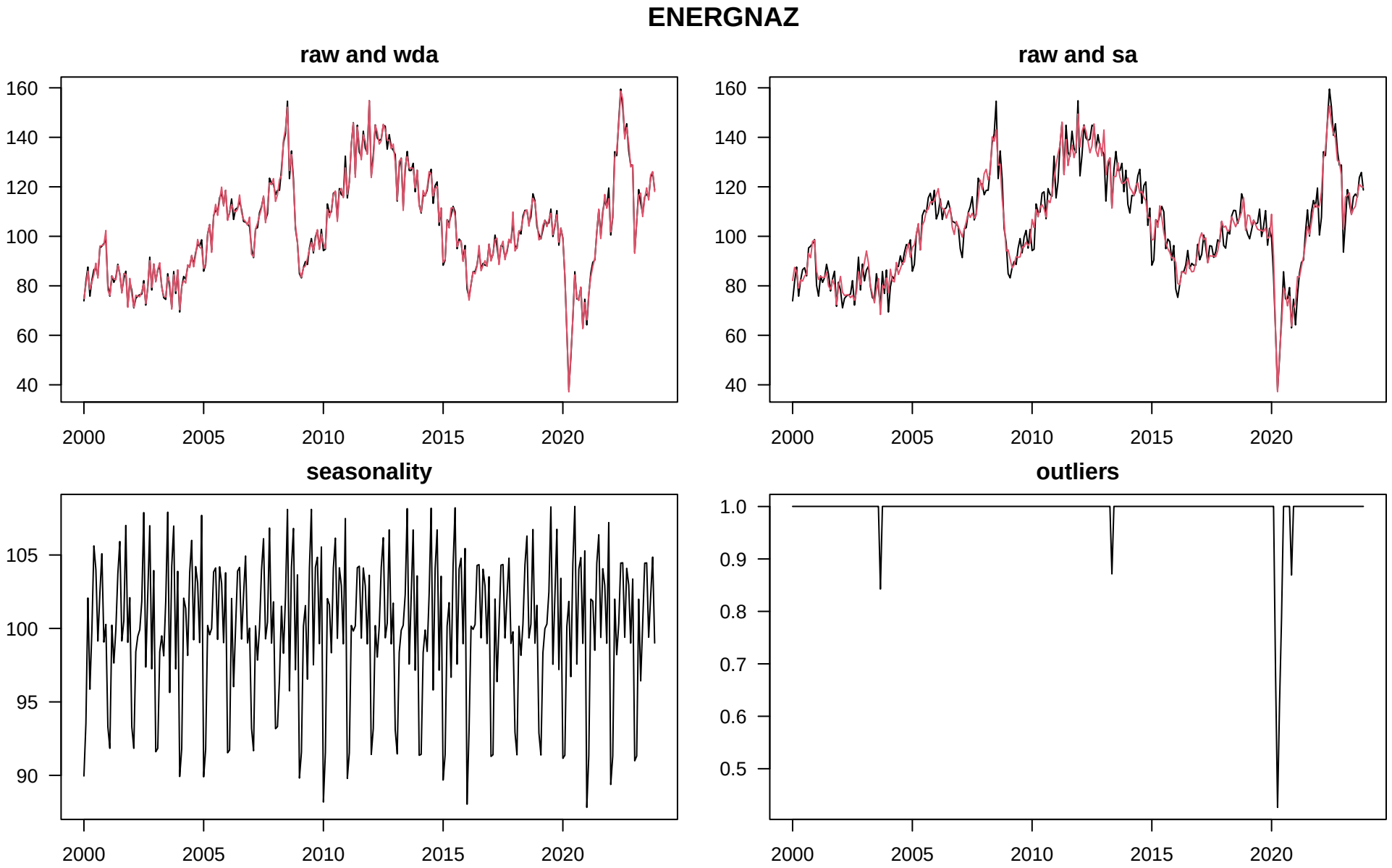

SI ratio
1.4
1.2
1.0
0.8
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6

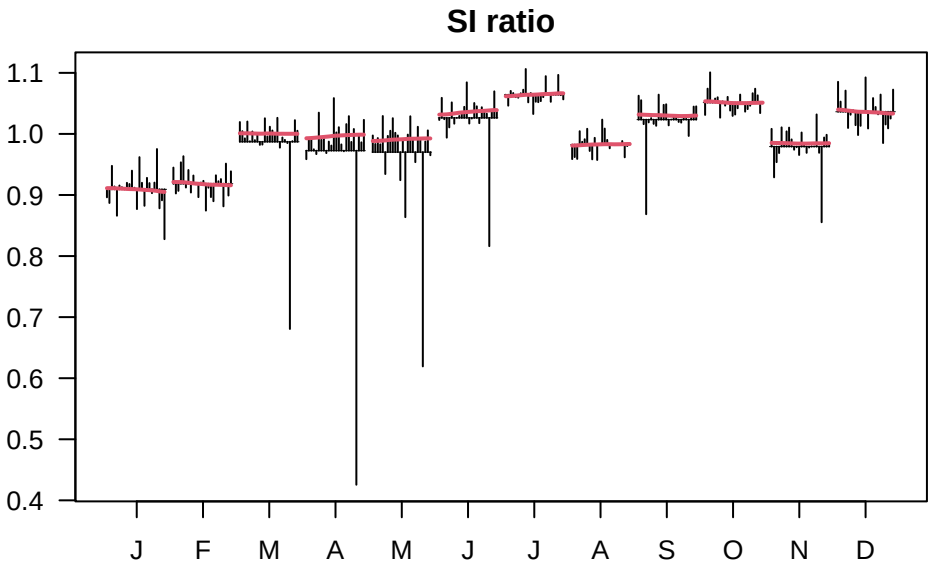
NONDUEST

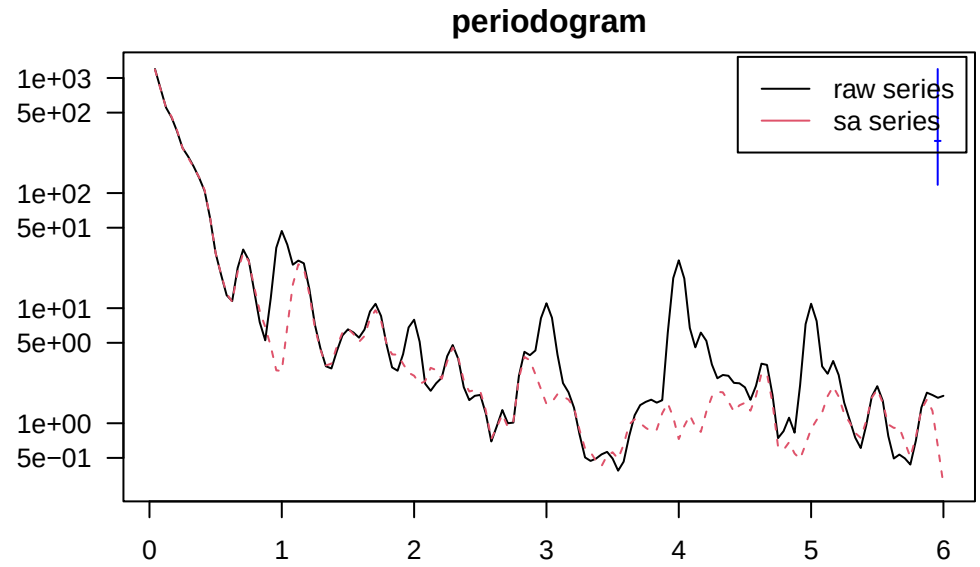
Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
6
4
2
0
−2
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
30
20
10
0
−10
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


ENERGNAZ
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
105
95
90
1.0
0.9
0.8
0.7
0.6
0.5
2000
2005
2010
2015
2020

ENERGNAZ


SI ratio
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
1e+03
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
0
1
2
3
4
5
6

ENERGNAZ

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
0
−10
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
20
10
0
−10
−20
−30
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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2023−08
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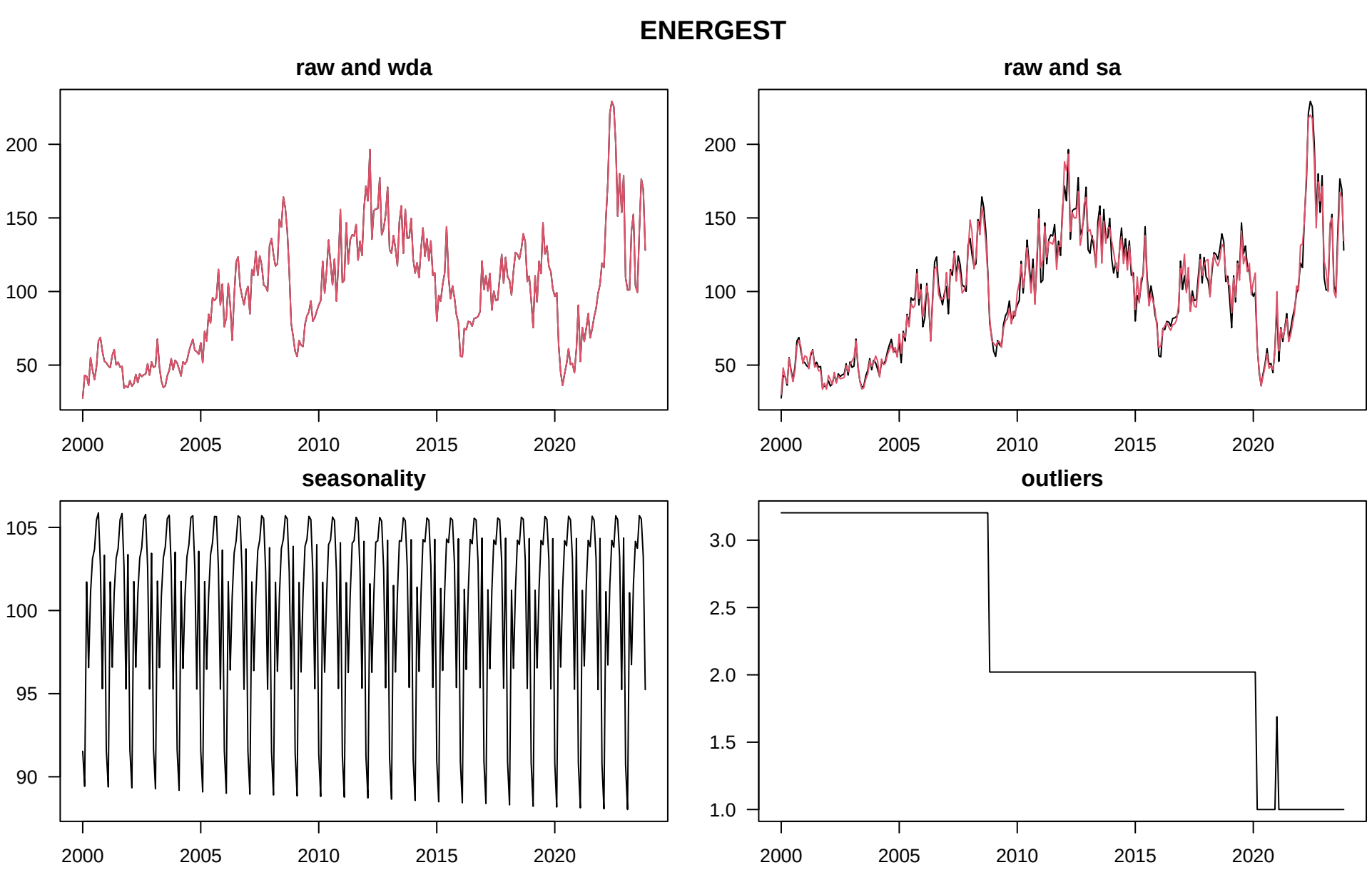
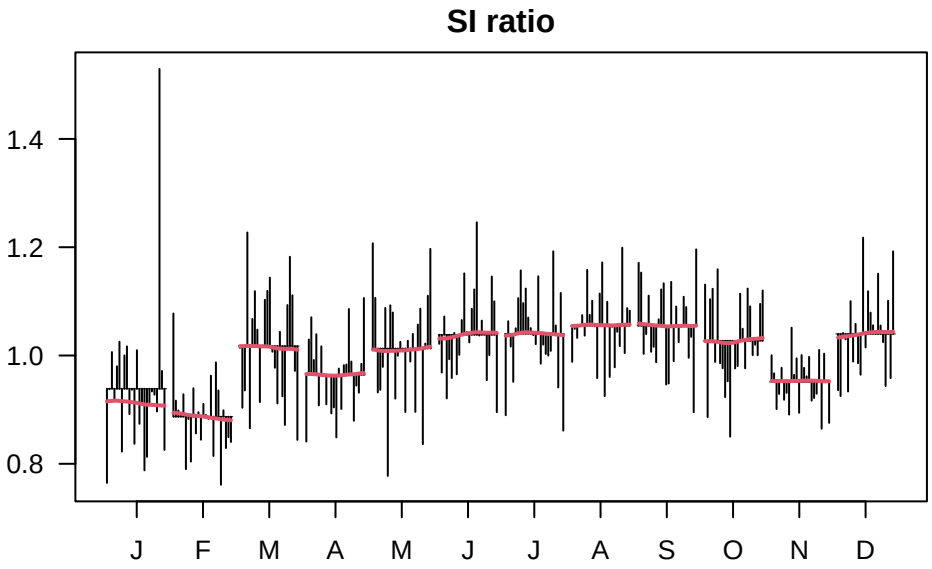
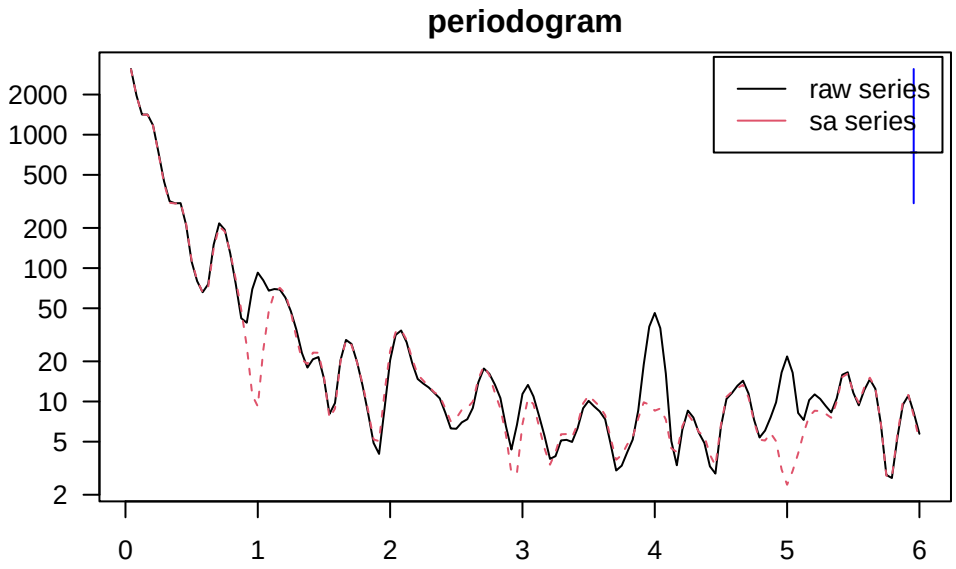
2023−10
2023−11


ENERGEST
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
105
95
90
3.0
2.5
2.0
1.5
1.0
2000
2005
2010
2015
2020

ENERGEST


SI ratio
1.4
1.2
1.0
0.8
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
2000
1000
500
200
100
50
20
10
5
2
0
1
2
3
4
5
6

ENERGEST

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
−40
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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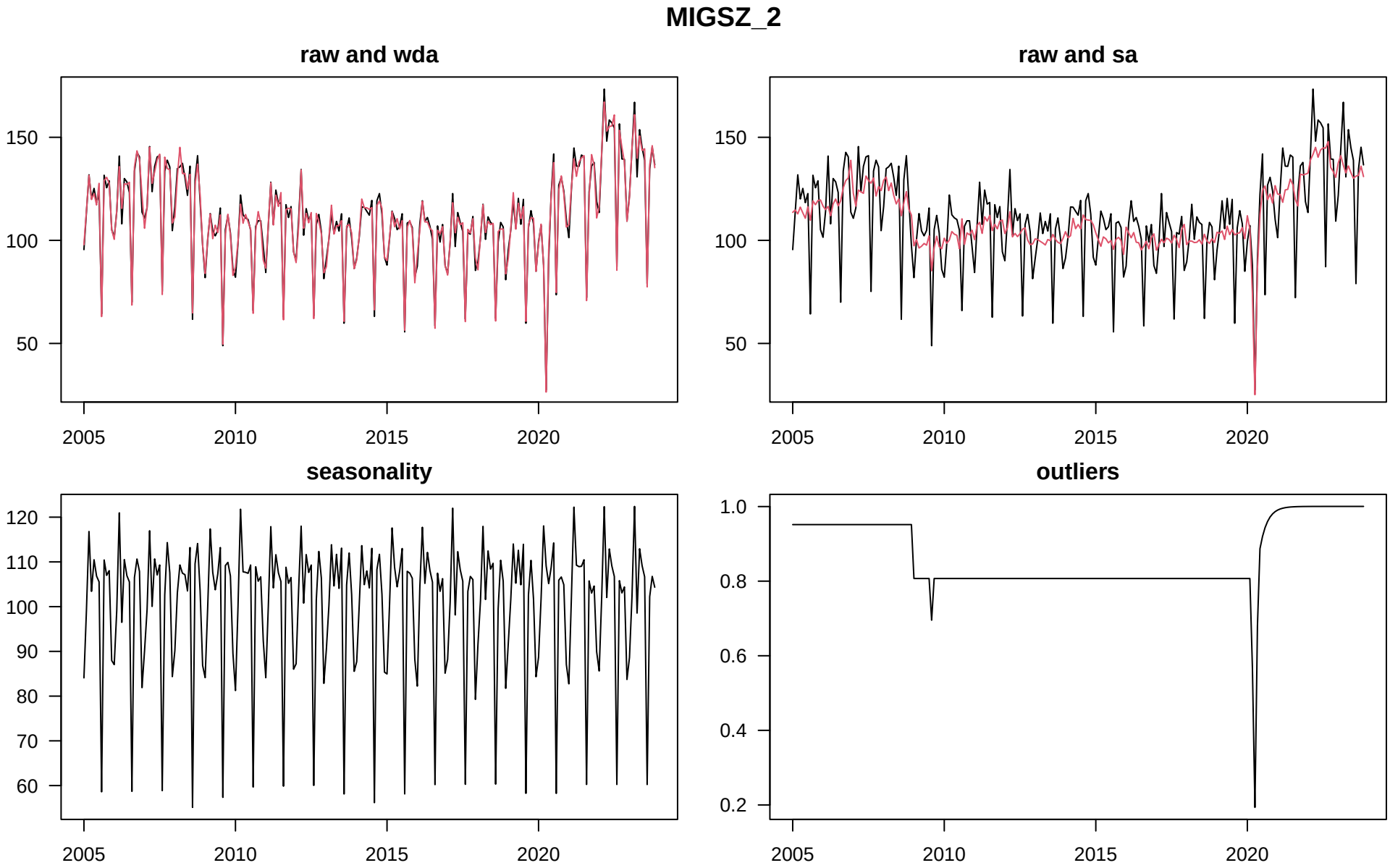
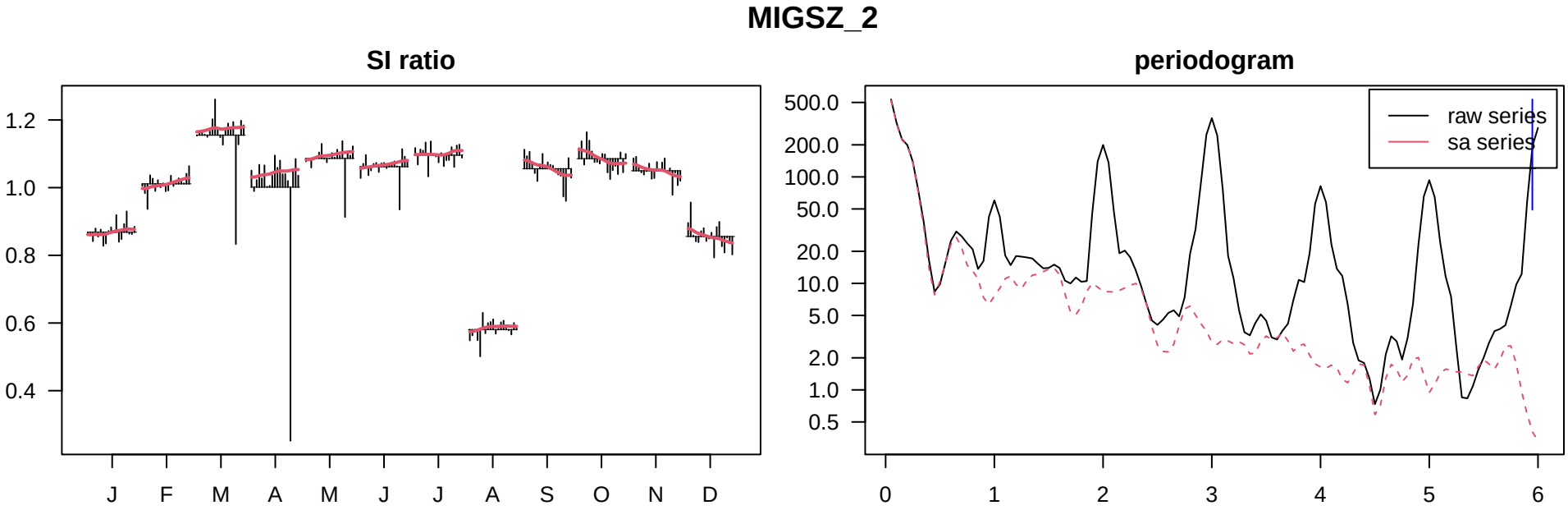
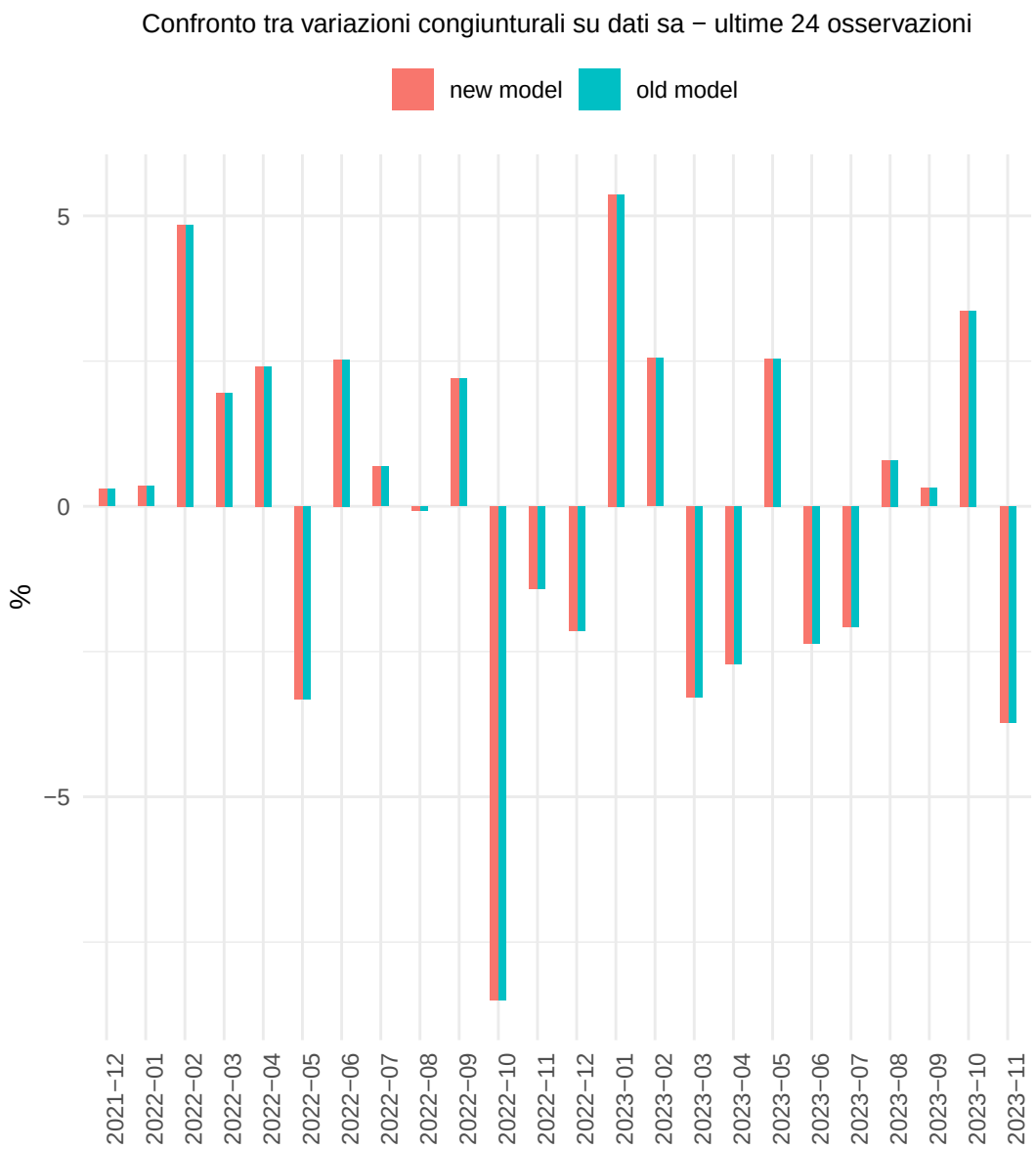
2023−11


MIGSZ_2
raw and wda
raw and sa
seasonality
outliers
150
100
50
120
110
90
80
70
60
1.0
0.8
0.6
0.4
0.2
2005
2010
2015
2020


MIGSZ_2
SI ratio
periodogram
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
3
4
5
6
raw series
sa series

MIGSZ_2


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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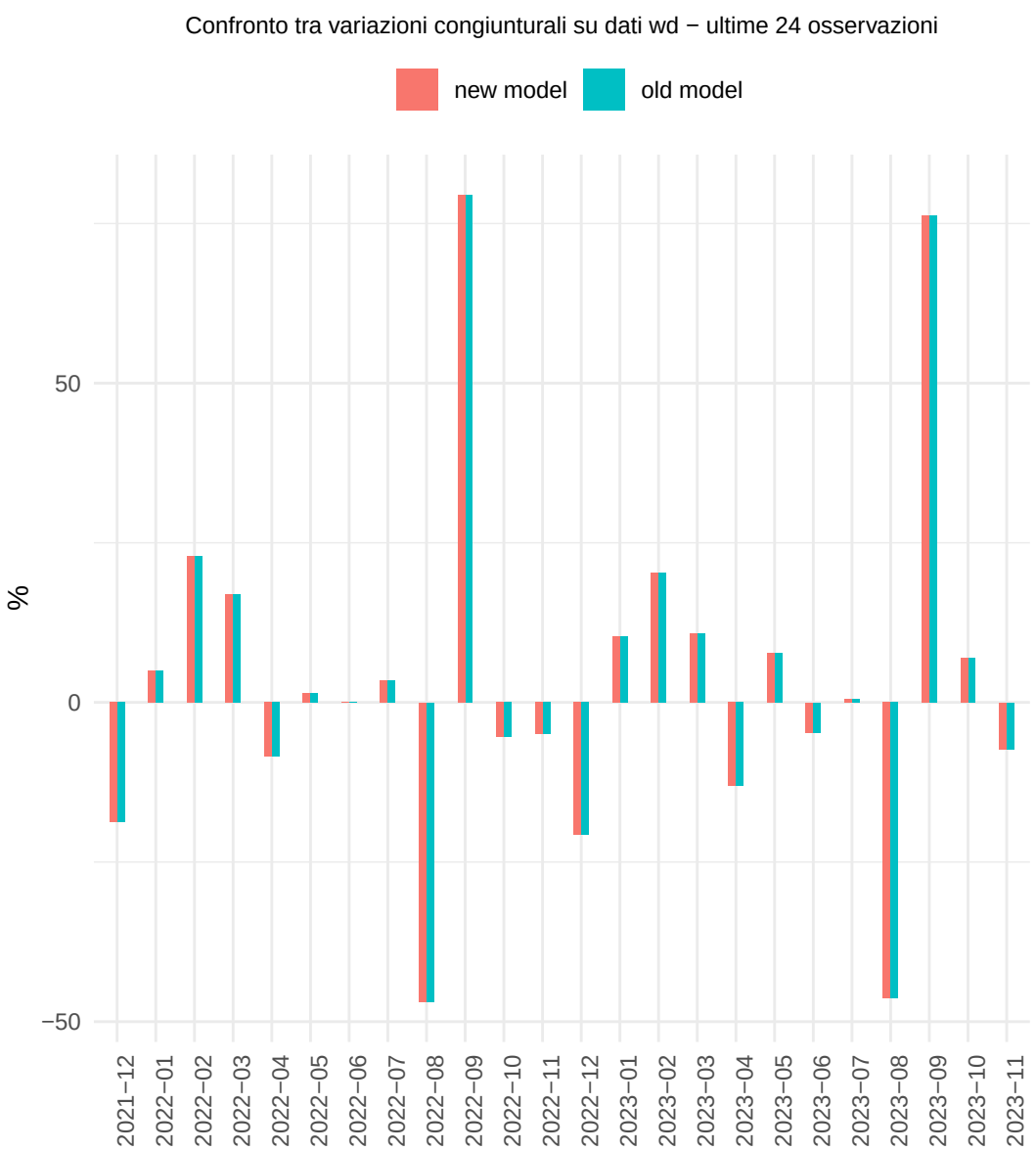
2023−09
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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2023−04
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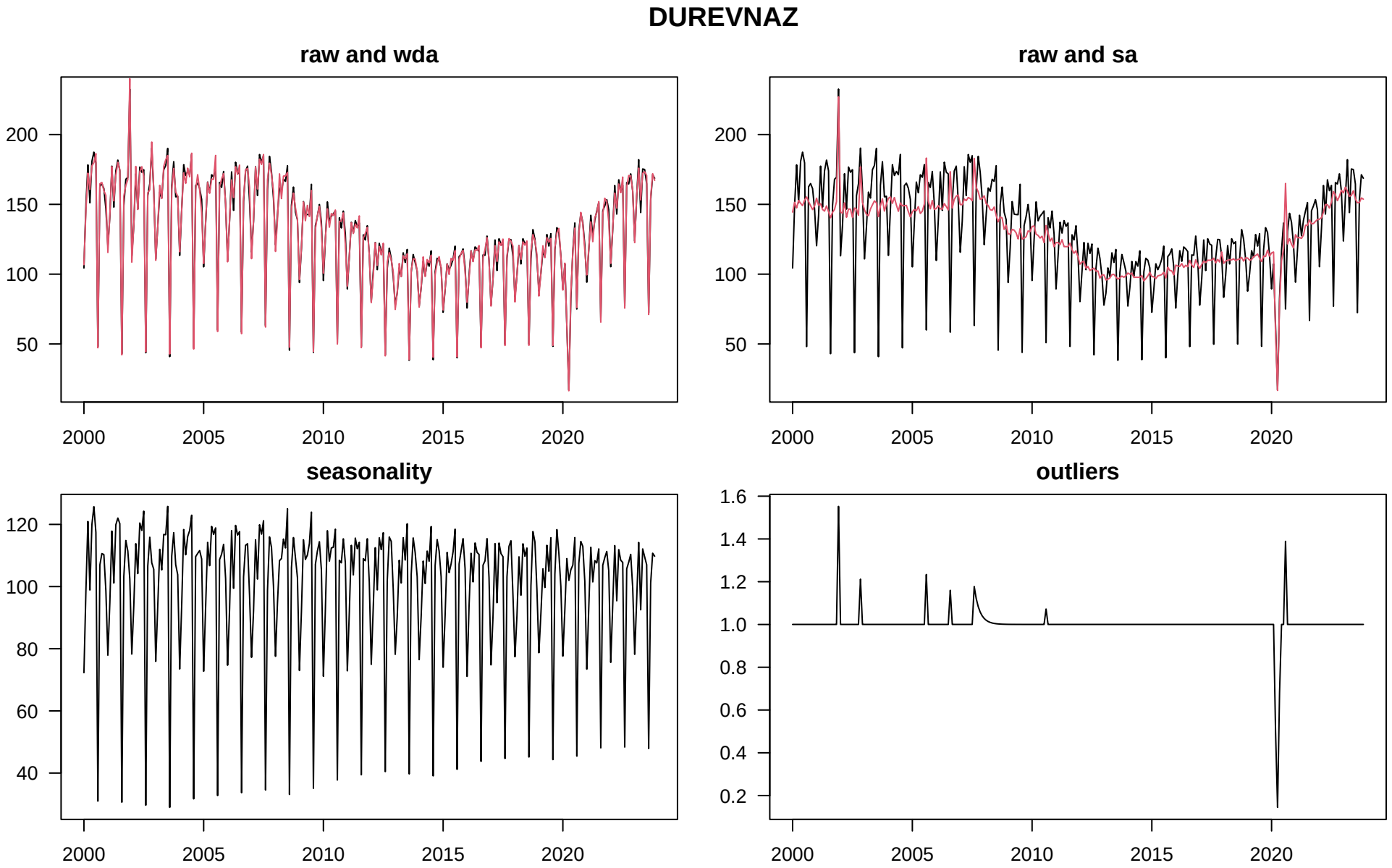
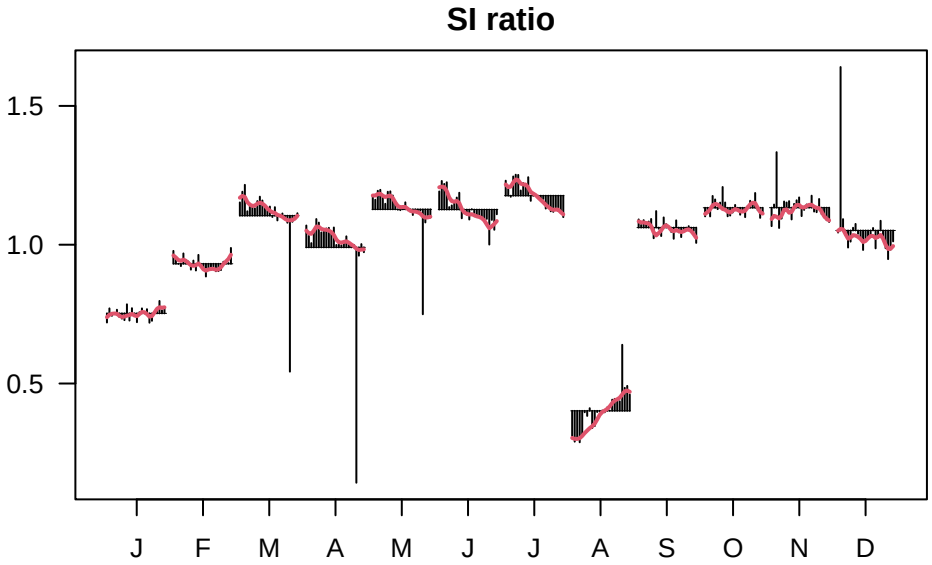
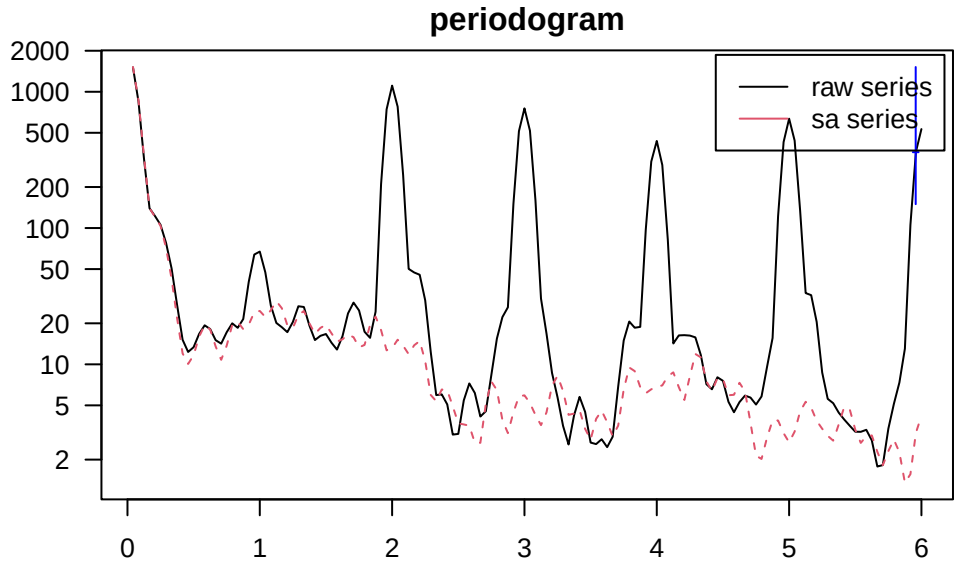
2023−10
2023−11


DUREVNAZ
raw and wda
raw and sa
seasonality
outliers
200
150
100
50
120
80
60
40
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
2000
2005
2010
2015
2020

DUREVNAZ


SI ratio
1.5
1.0
0.5
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
2000
1000
500
200
100
50
20
10
5
2
0
1
2
3
4
5
6
raw series
sa series

DUREVNAZ

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5.0
2.5
0.0
−2.5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
100
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
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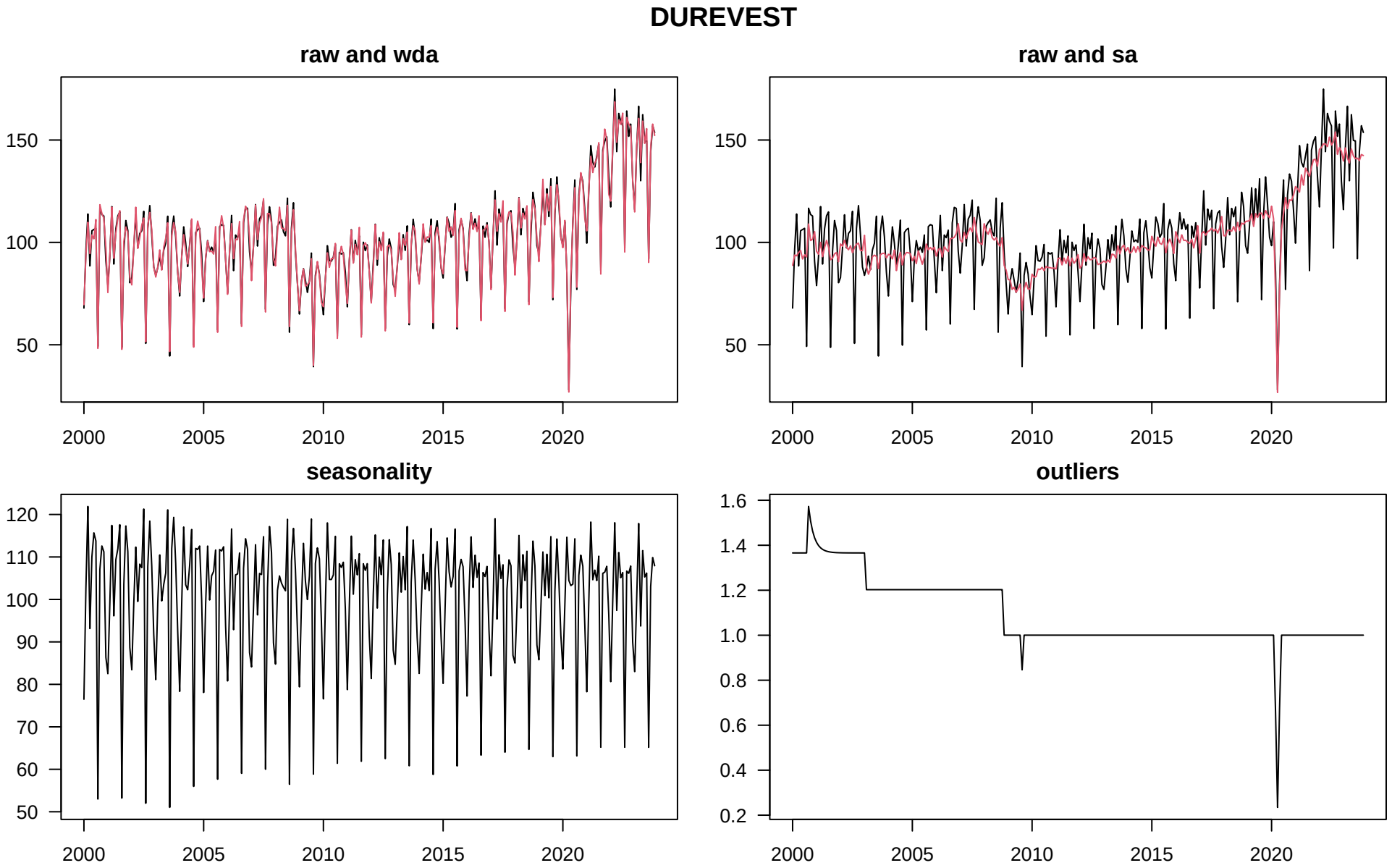
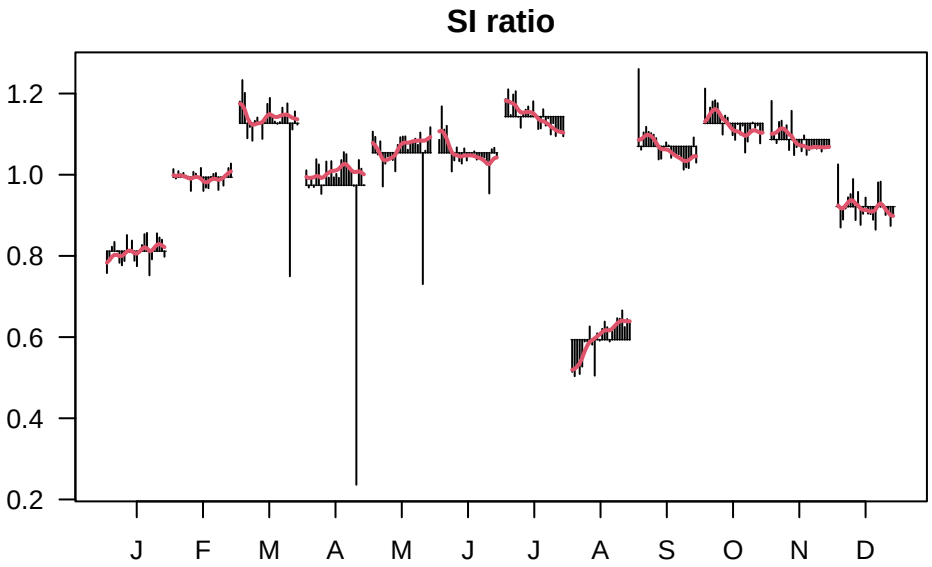
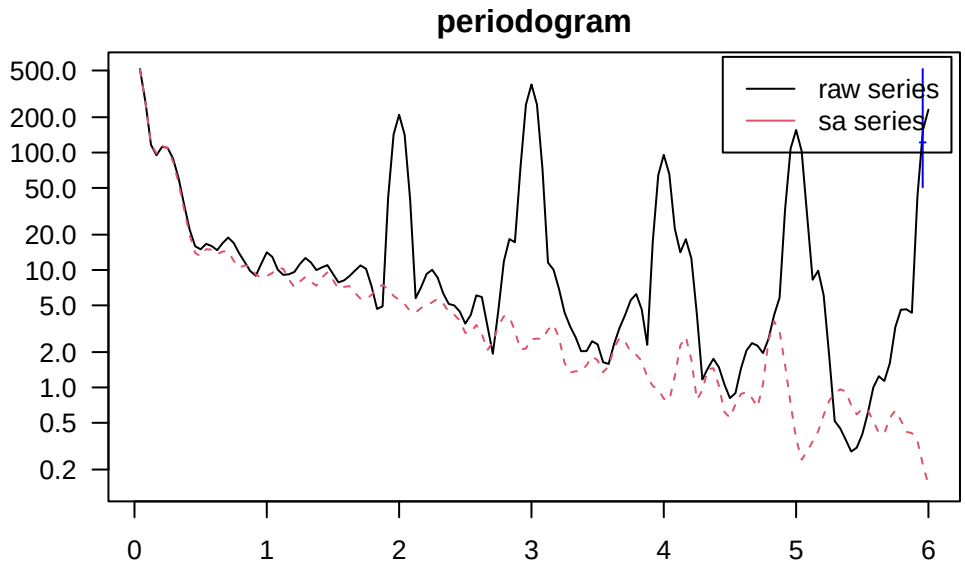
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11


DUREVEST
raw and wda
raw and sa
seasonality
outliers
150
100
50
120
110
90
80
70
60
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
2000
2005
2010
2015
2020

DUREVEST


SI ratio
1.2
1.0
0.8
0.6
0.4
0.2
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6

DUREVEST

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
0
−4
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
25
0
−25
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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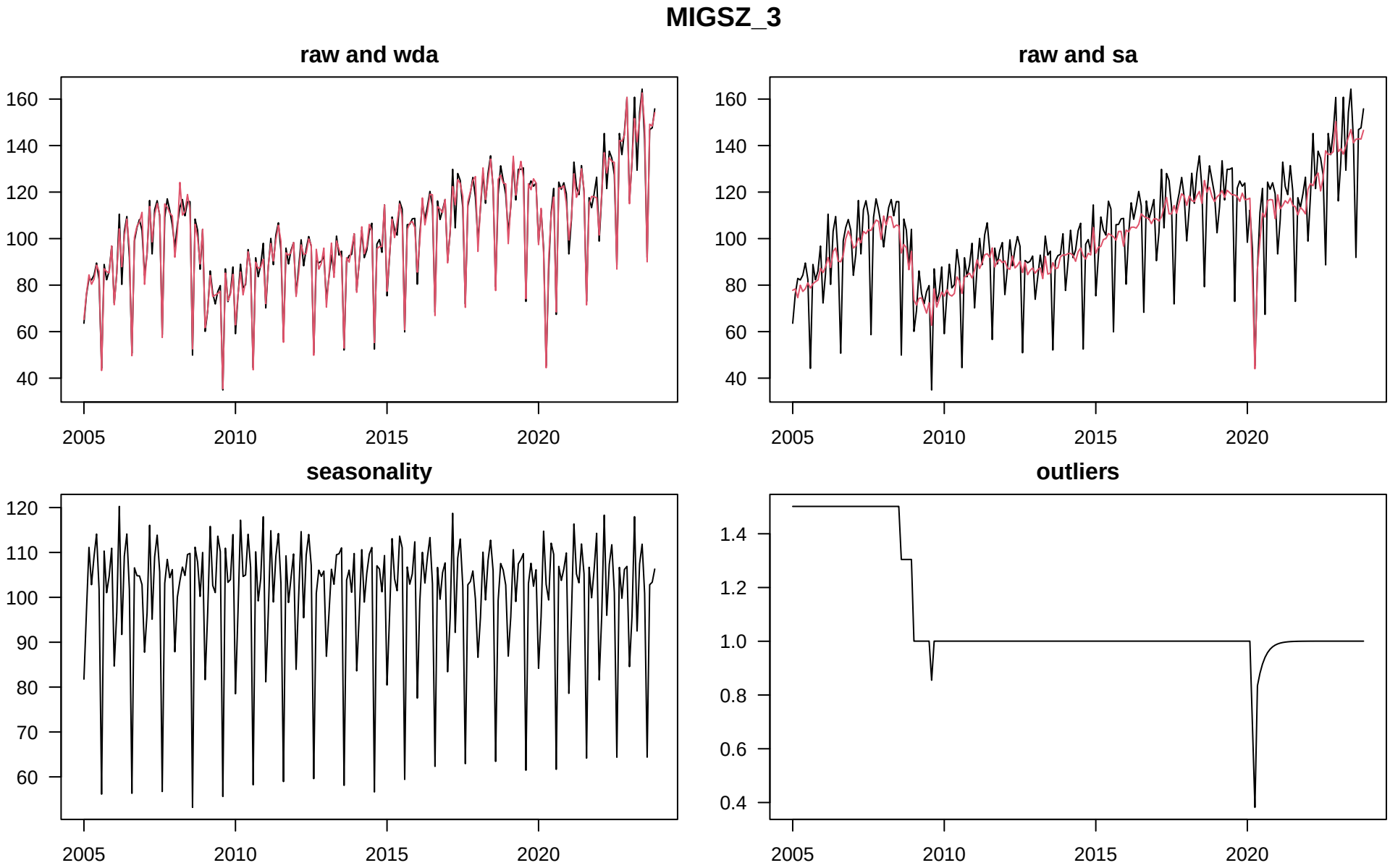
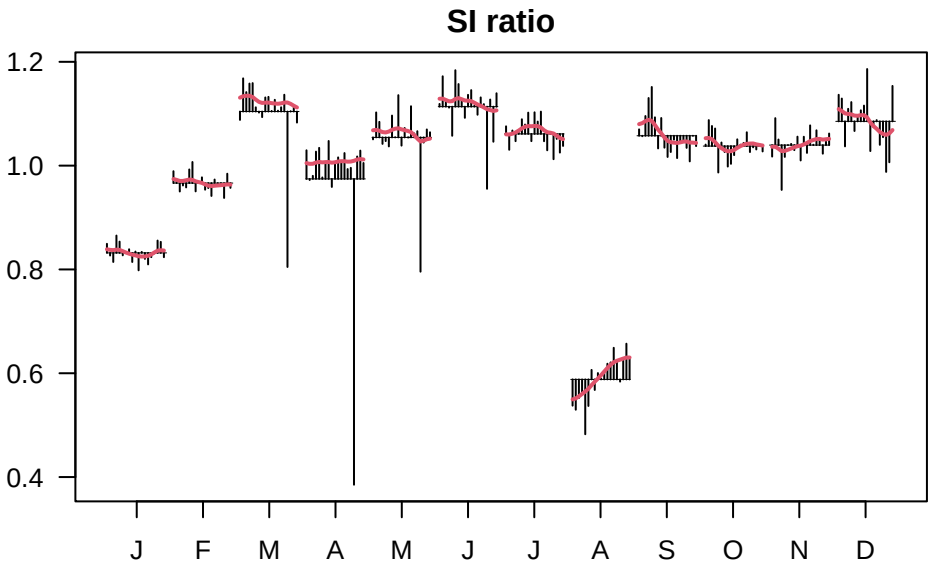
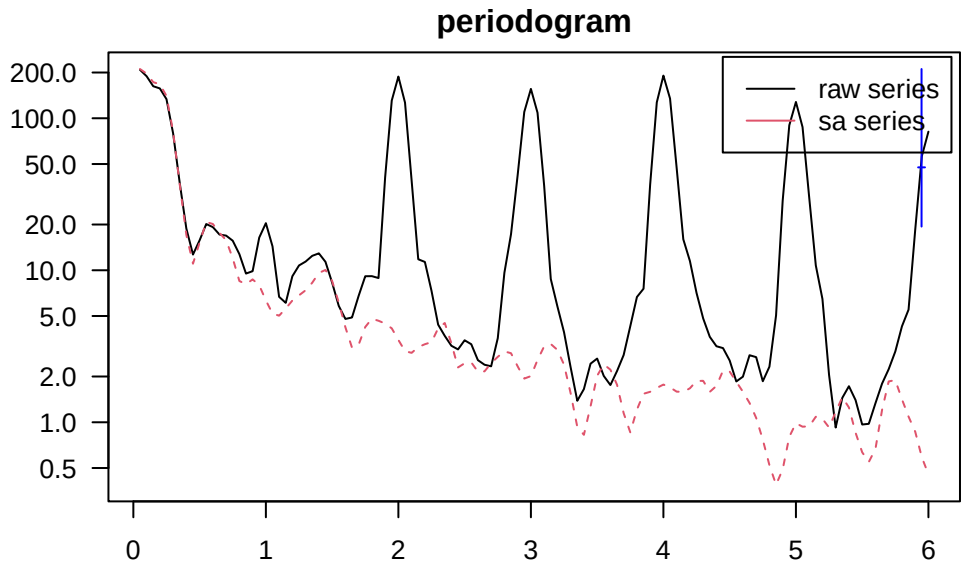
2023−08
2023−09
2023−10
2023−11


MIGSZ_3
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
110
90
70
1.4
1.2
1.0
0.8
0.6
0.4
2005
2010
2015
2020

MIGSZ_3


SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
3
4
5
6
raw series
sa series

MIGSZ_3

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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2023−03
2023−04
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2023−08
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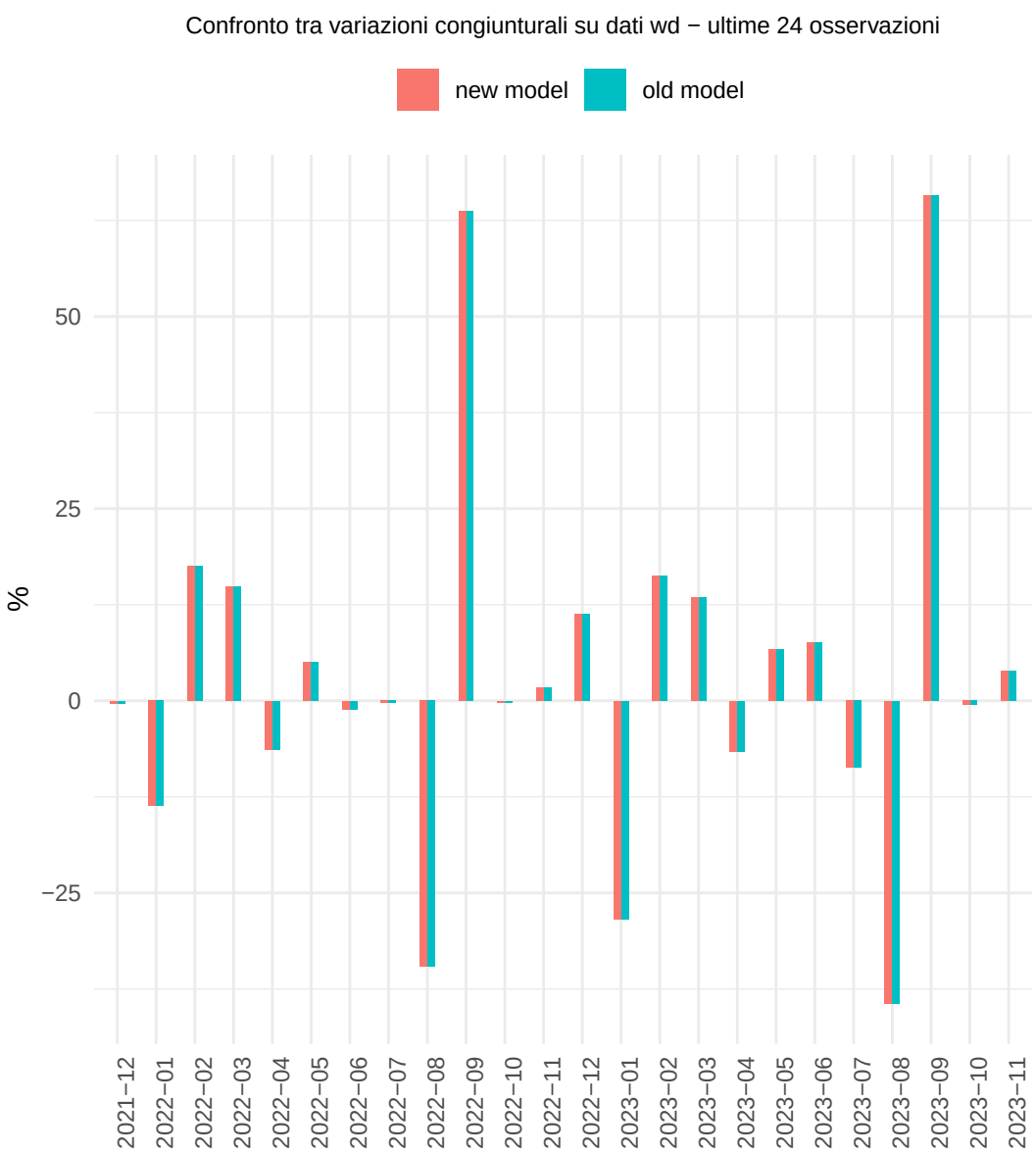
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
50
25
0
−25
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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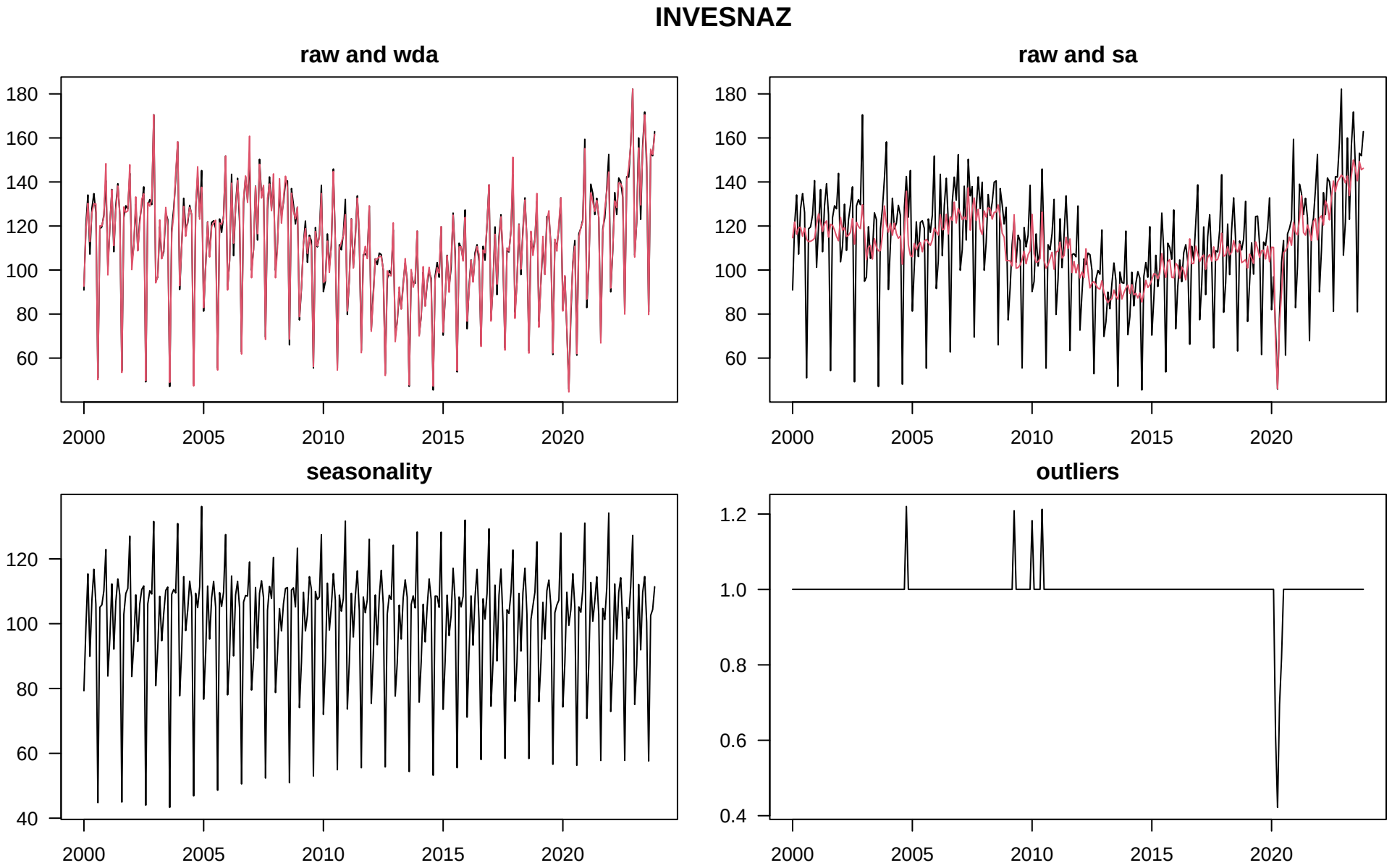
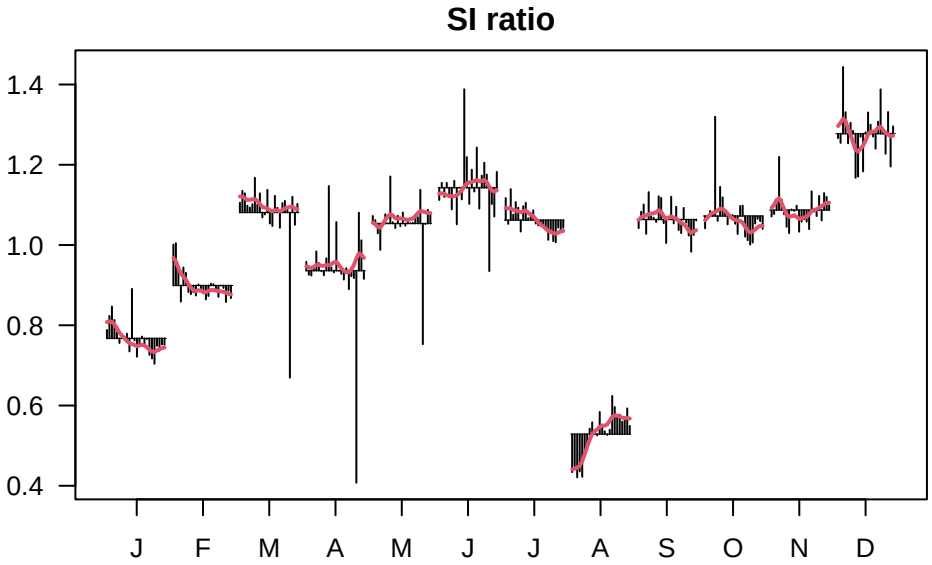
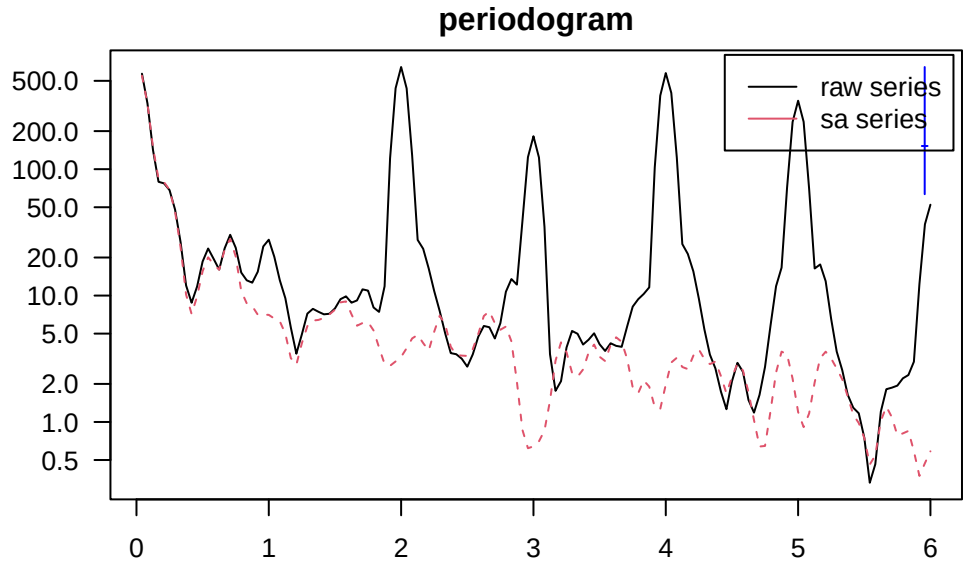
2023−09
2023−10
2023−11

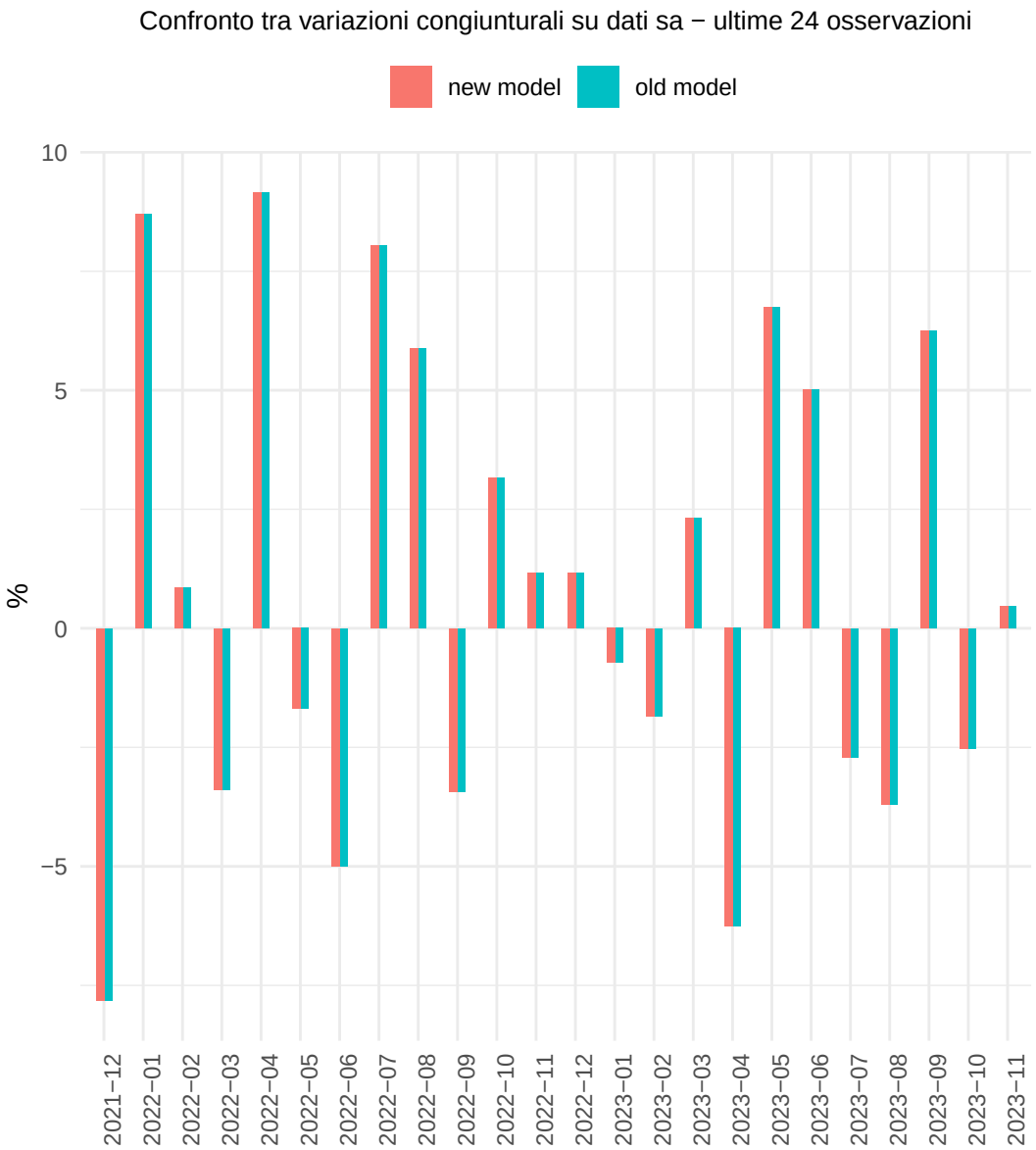

INVESNAZ
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
40
1.2
1.0
0.8
0.6
0.4
2000
2005
2010
2015
2020

INVESNAZ


SI ratio
1.4
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
500.0
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0
1
2
3
4
5
6

INVESNAZ


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
10
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
100
50
0
−50
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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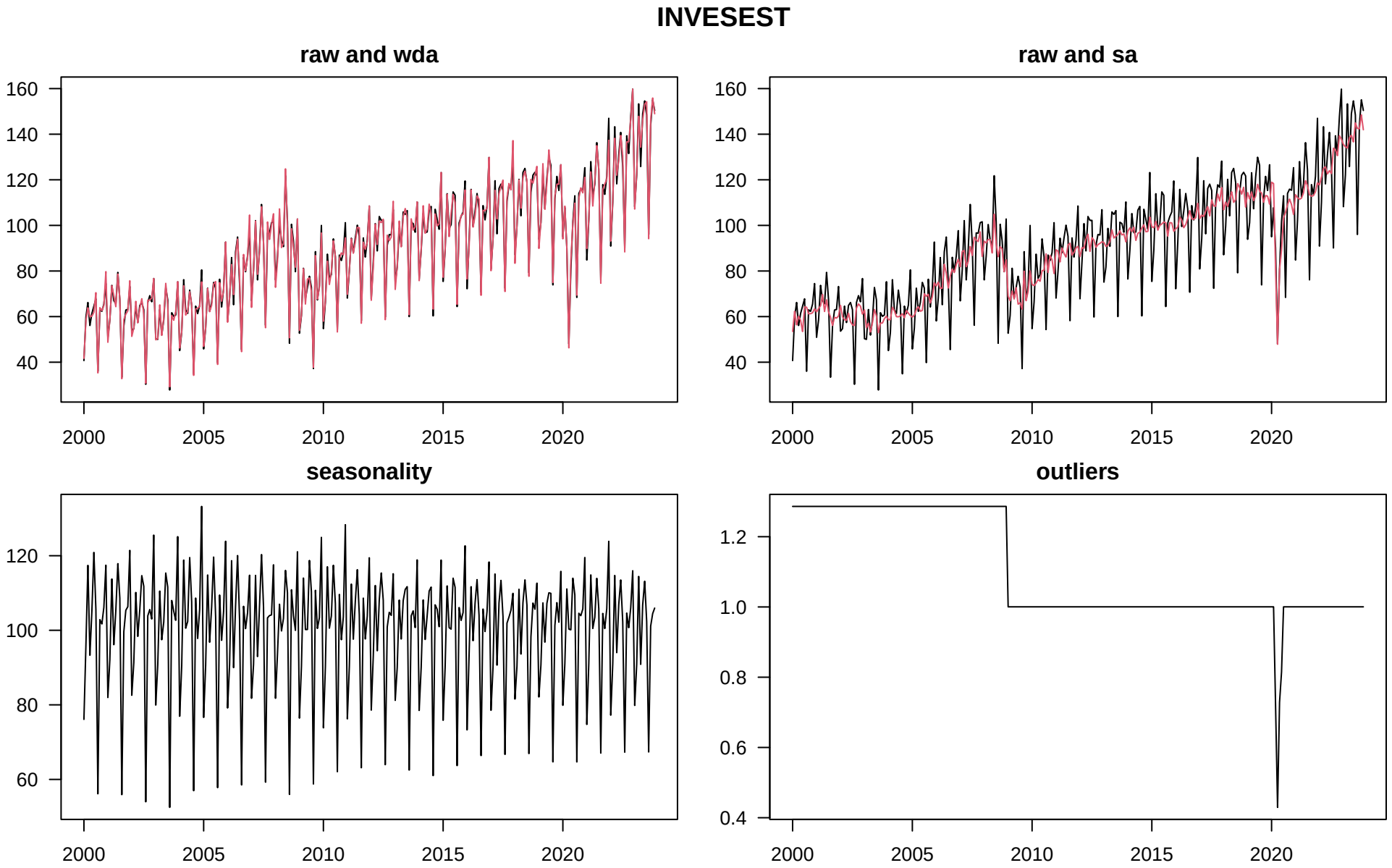
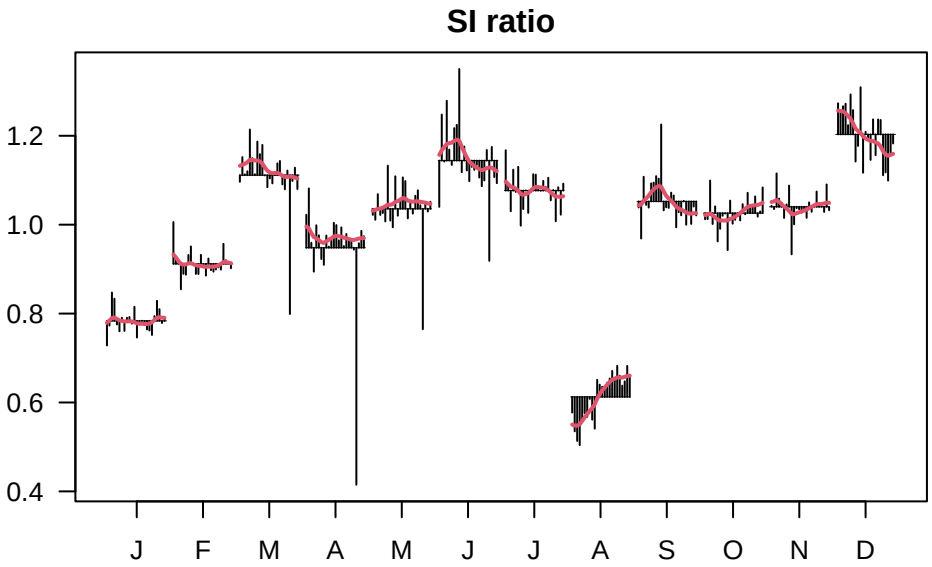
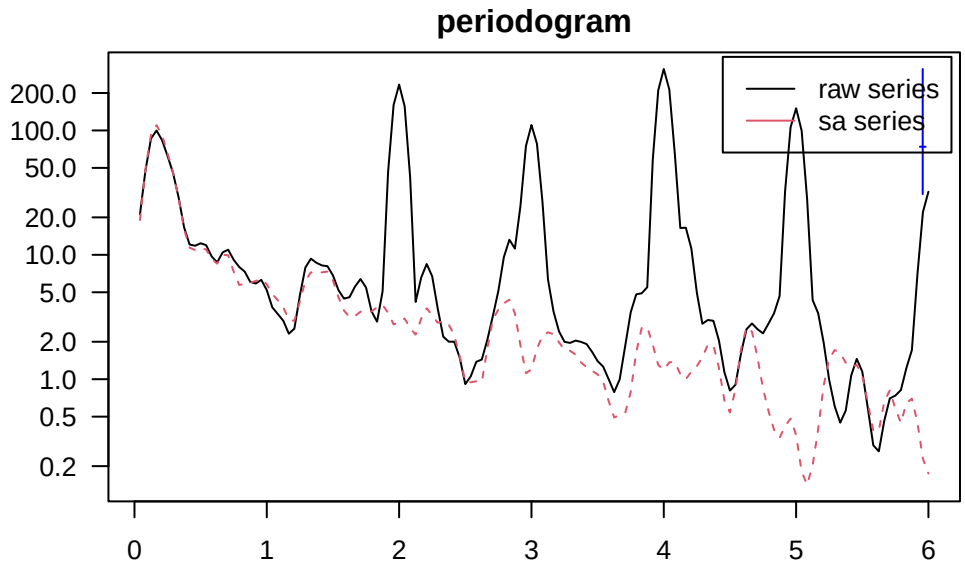
2023−10
2023−11

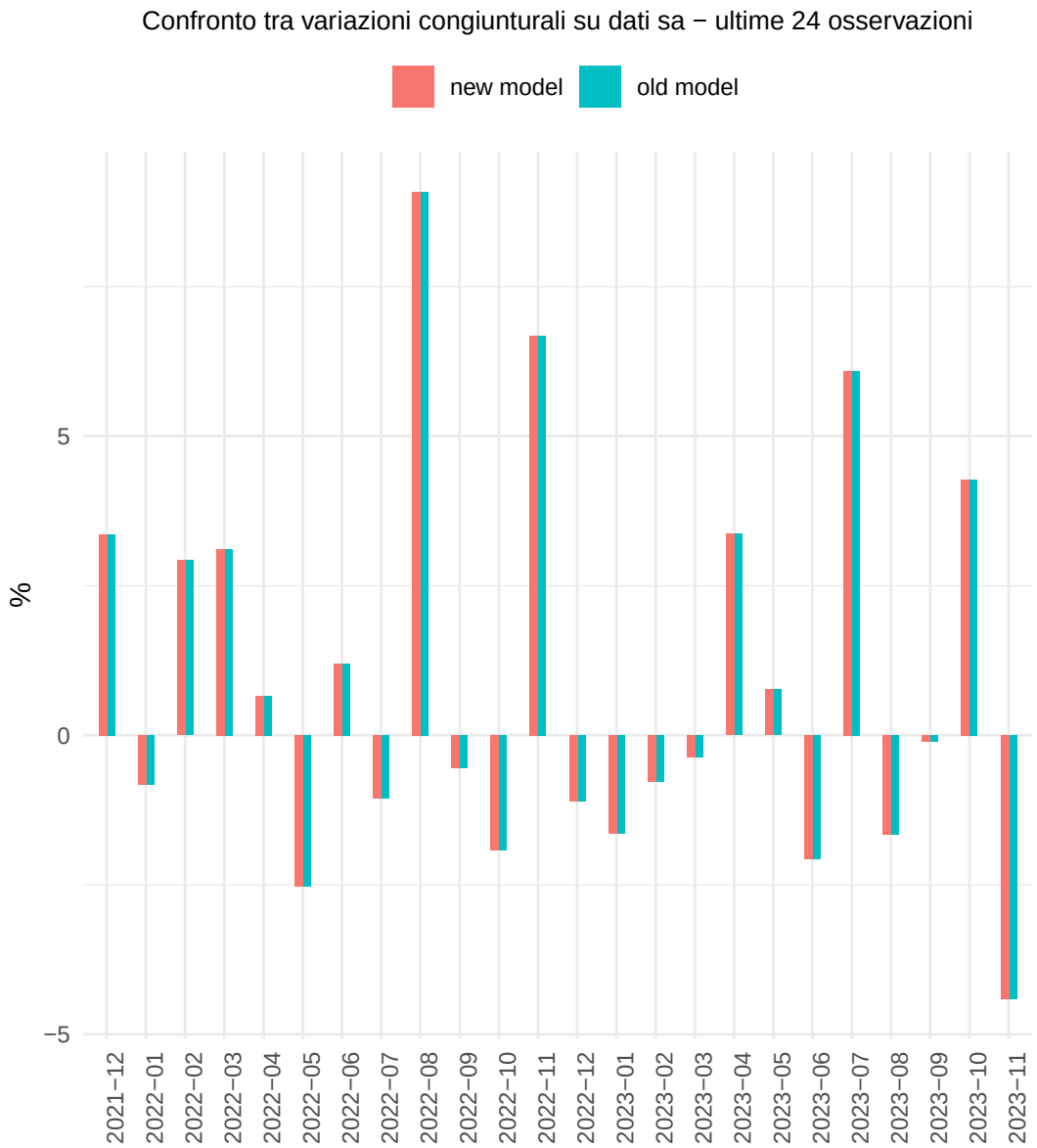

INVESEST
raw and wda
raw and sa
seasonality
outliers
160
140
120
100
80
60
40
1.2
1.0
0.8
0.6
0.4
2000
2005
2010
2015
2020

INVESEST


SI ratio
1.2
1.0
0.8
0.6
0.4
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
200.0
100.0
50.0
20.0
10.0
5.0
2.0
1.0
0.5
0.2
0
1
2
3
4
5
6

INVESEST


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
5
0
−5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
2023−02
2023−03
2023−04
2023−05
2023−06
2023−07
2023−08
2023−09
2023−10
2023−11

Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
−40
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
2022−09
2022−10
2022−11
2022−12
2023−01
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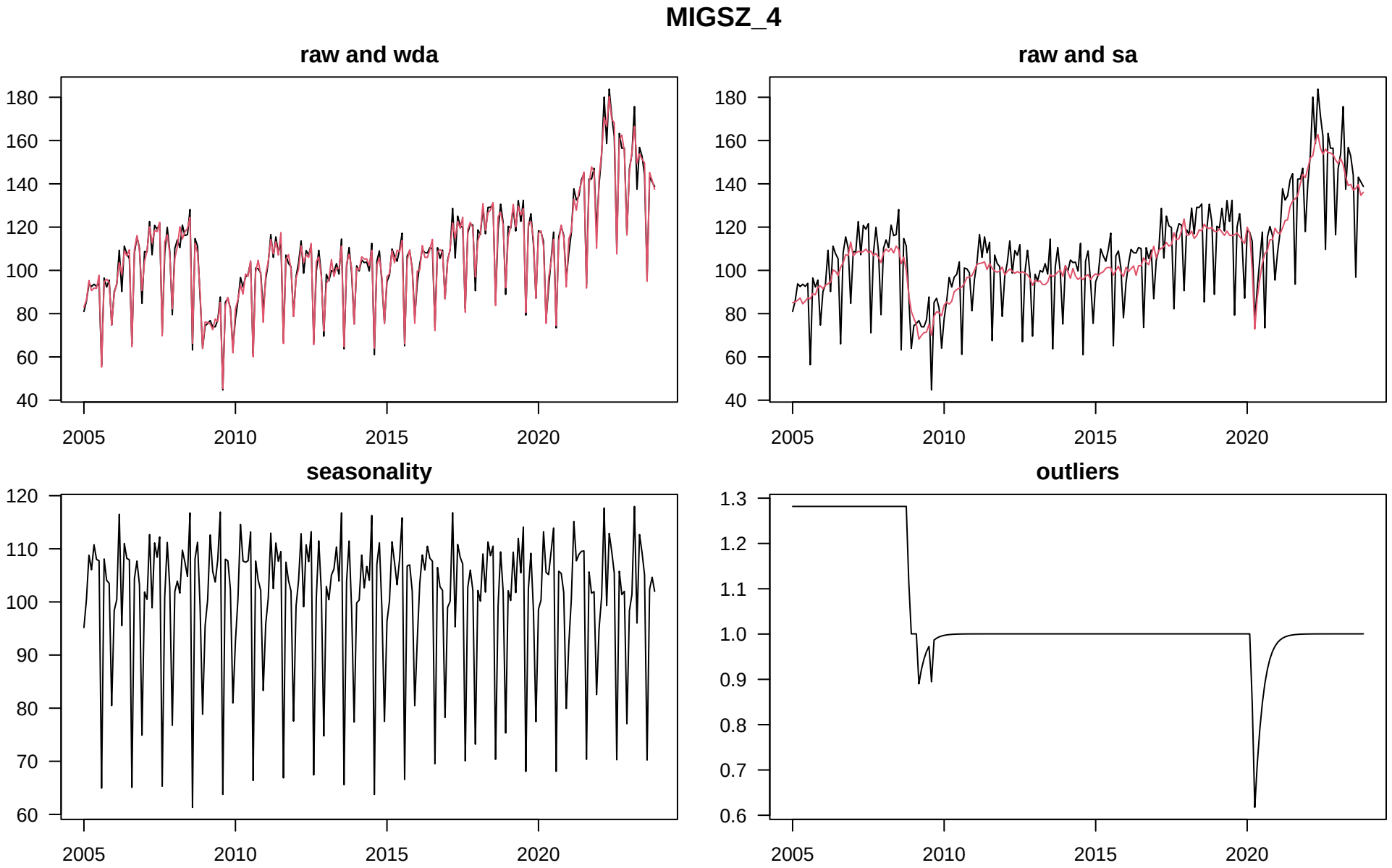
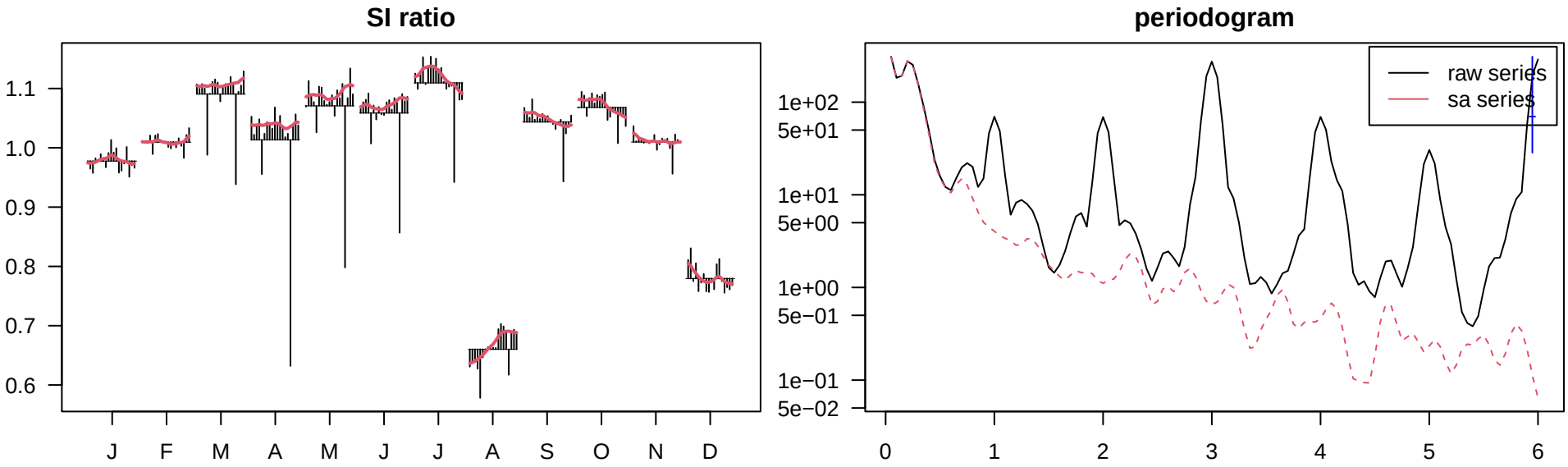
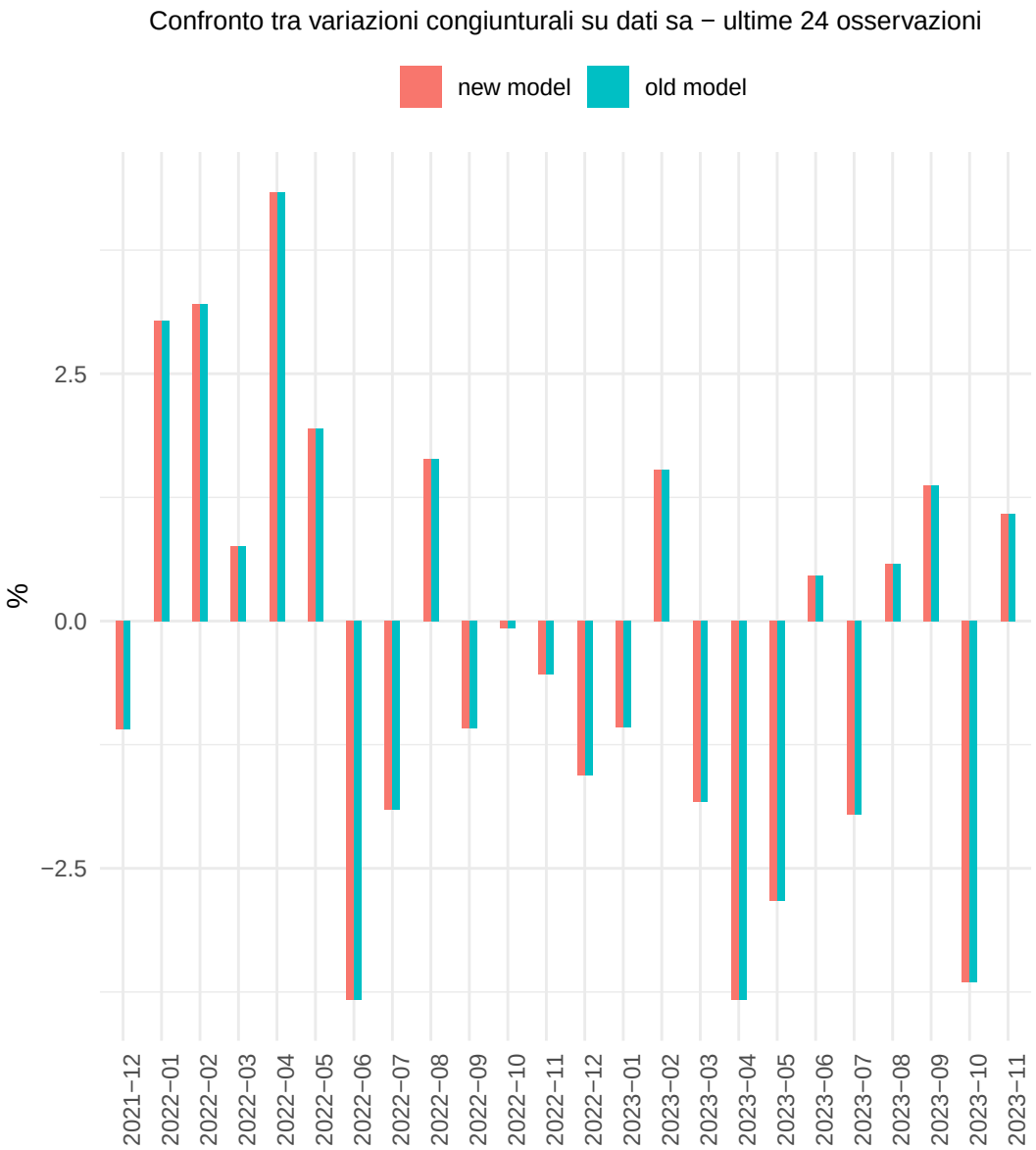
2023−11


MIGSZ_4
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
40
2005
2010
2015
2020
110
90
70
1.3
1.2
1.1
1.0
0.9
0.8
0.7
0.6

MIGSZ_4


SI ratio
1.1
1.0
0.9
0.8
0.7
0.6
J
F
M
A
M
J
J
A
S
O
N
D
periodogram
raw series
sa series
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6

MIGSZ_4


Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
2.5
0.0
−2.5
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
2022−07
2022−08
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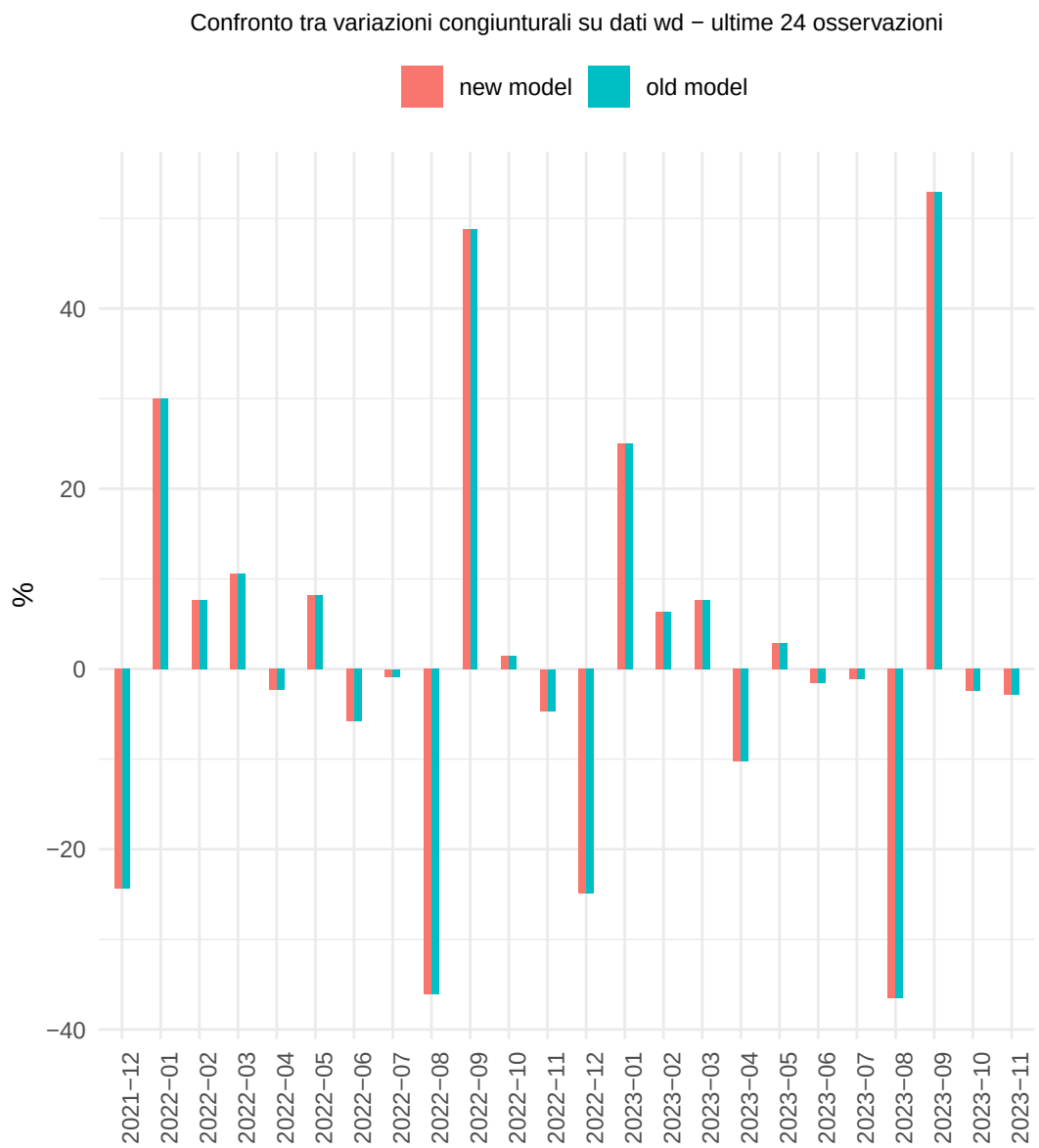
2023−10
2023−11


Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
%
40
20
0
−20
−40
2021−12
2022−01
2022−02
2022−03
2022−04
2022−05
2022−06
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2023−01
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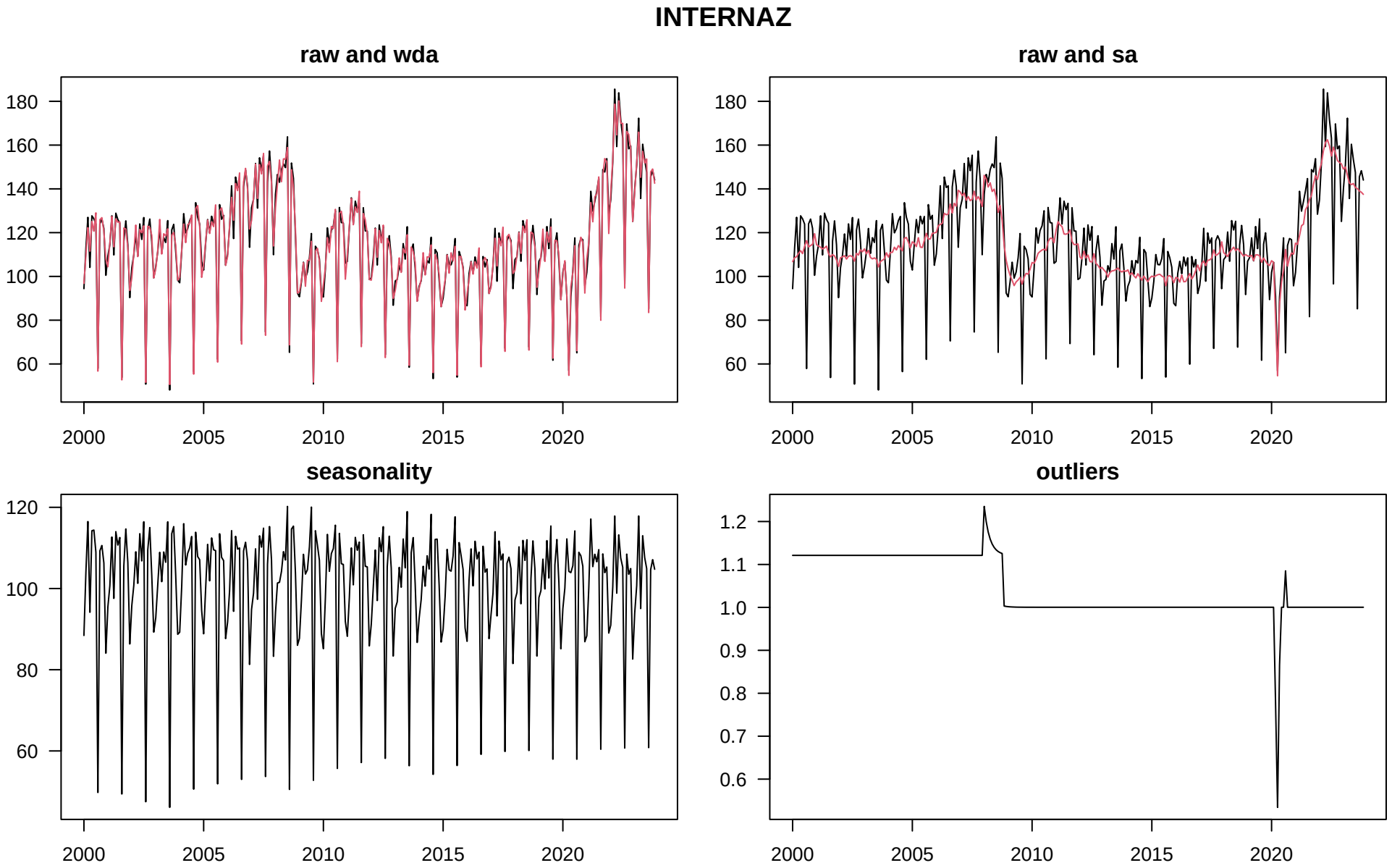
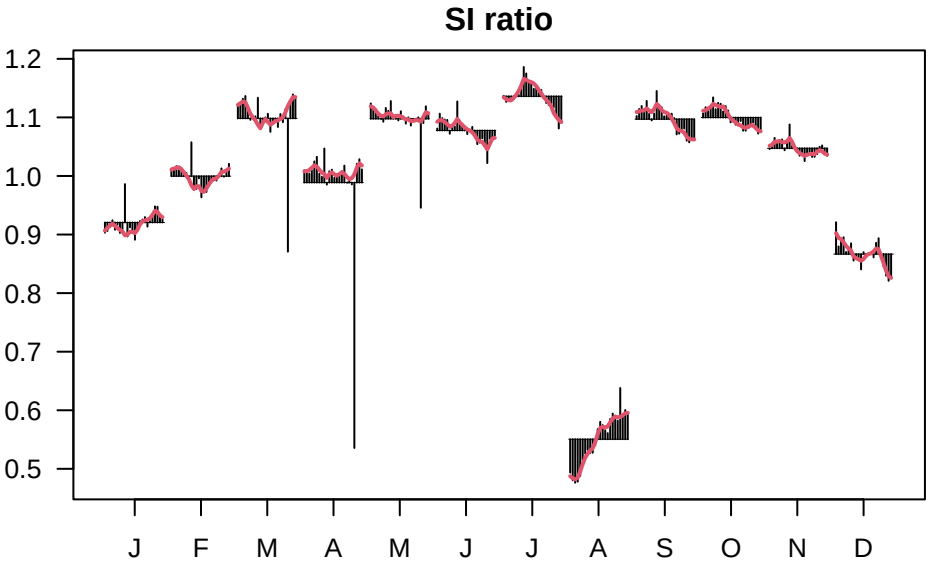
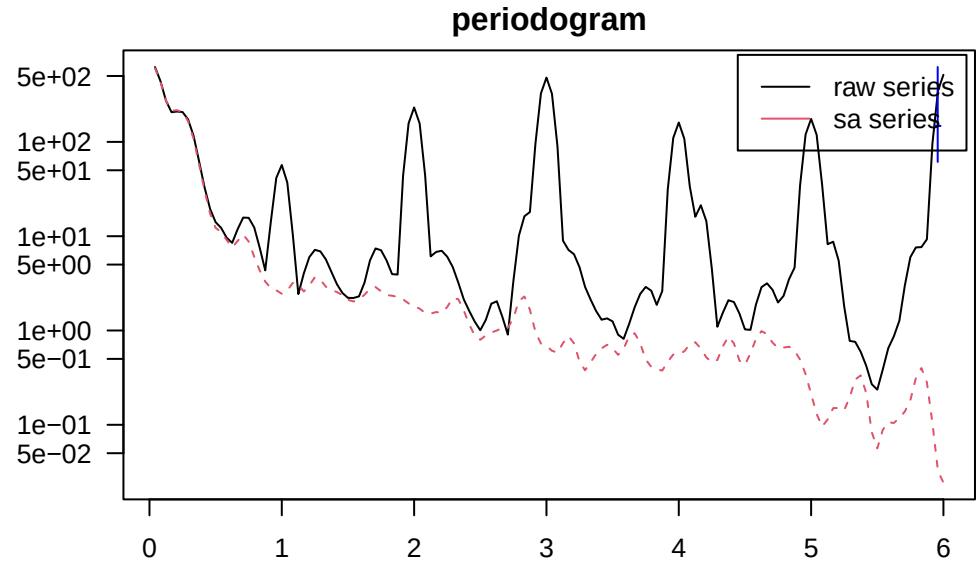
2023−10
2023−11


INTERNAZ
raw and wda
raw and sa
seasonality
outliers
180
160
140
120
100
80
60
2000
2005
2010
2015
2020
1.2
1.1
1.0
0.9
0.8
0.7
0.6

INTERNAZ


SI ratio
1.2
1.1
1.0
0.9
0.8
0.7
0.6
0.5
J
F
M
A
M
J
J
A
S
O
N
D


periodogram
raw series
sa series
5e+02
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
5e−02
0
1
2
3
4
5
6

INTERNAZ

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
%
4
2
0
−2
2021−12
2022−01
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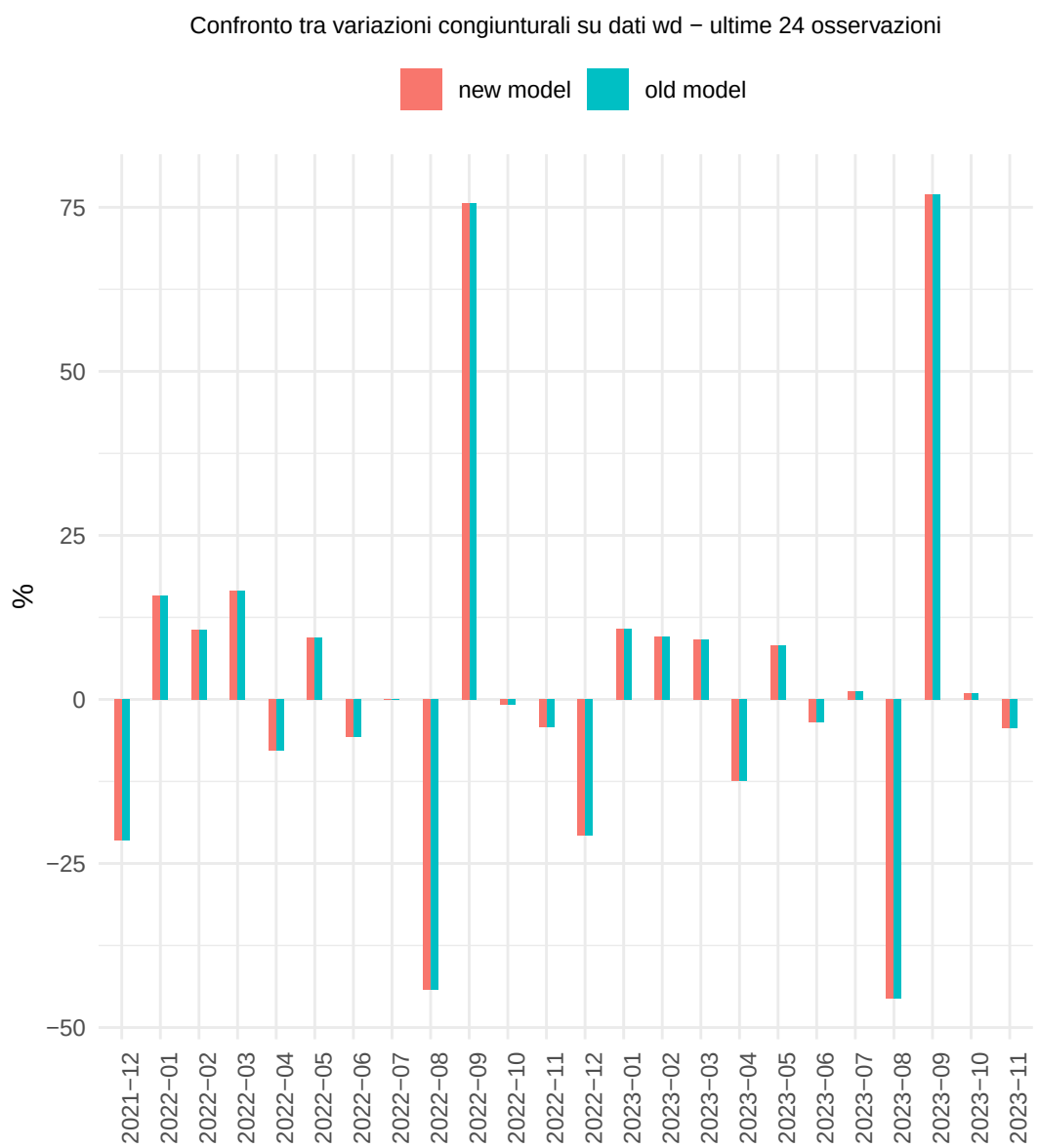
Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
old model
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75
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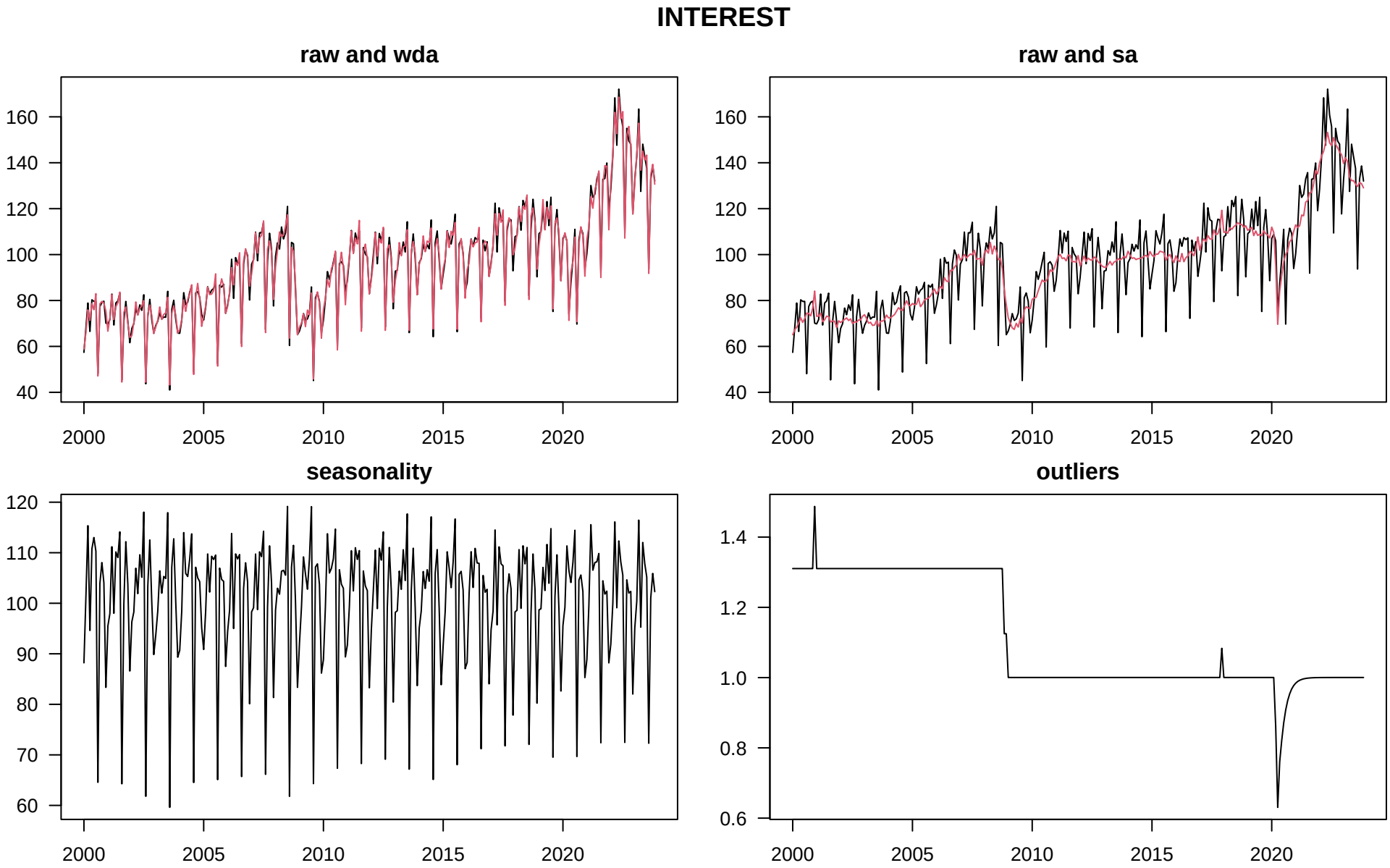
INTEREST
raw and wda
raw and sa
seasonality
outliers
160
140
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1.4
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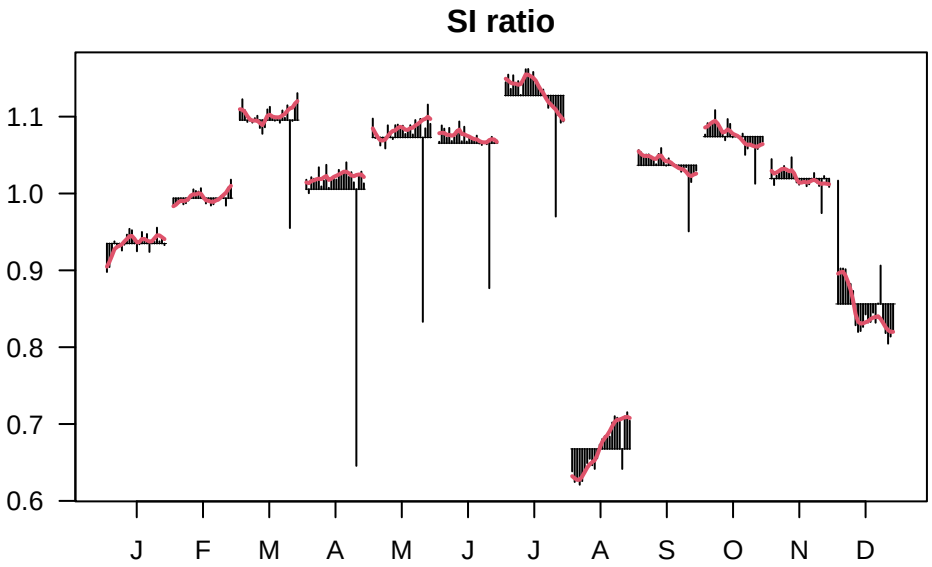
INTEREST


SI ratio
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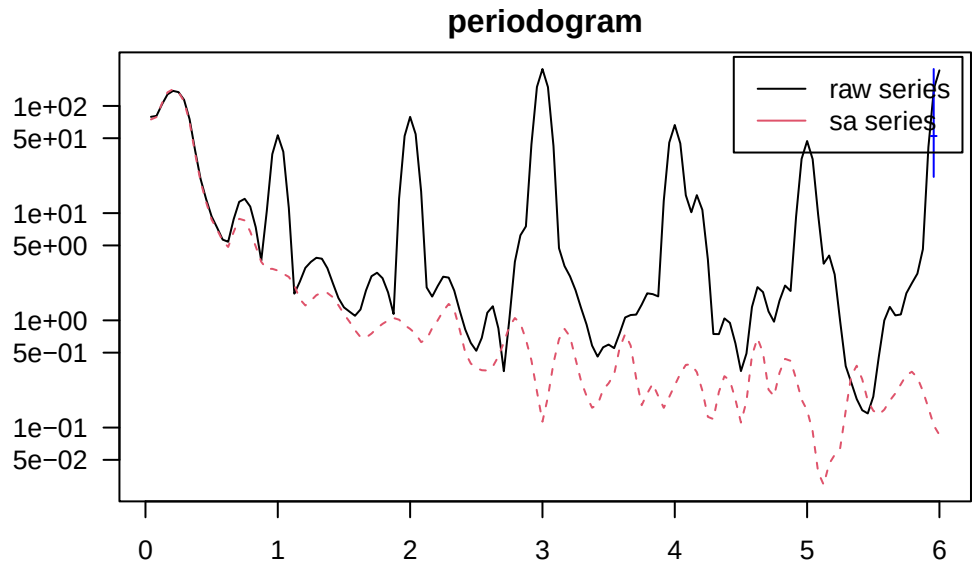
periodogram
raw series
sa series
1e+02
5e+01
1e+01
5e+00
1e+00
5e−01
1e−01
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INTEREST

Confronto tra variazioni congiunturali su dati sa − ultime 24 osservazioni
new model
old model
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Confronto tra variazioni congiunturali su dati wd − ultime 24 osservazioni
new model
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