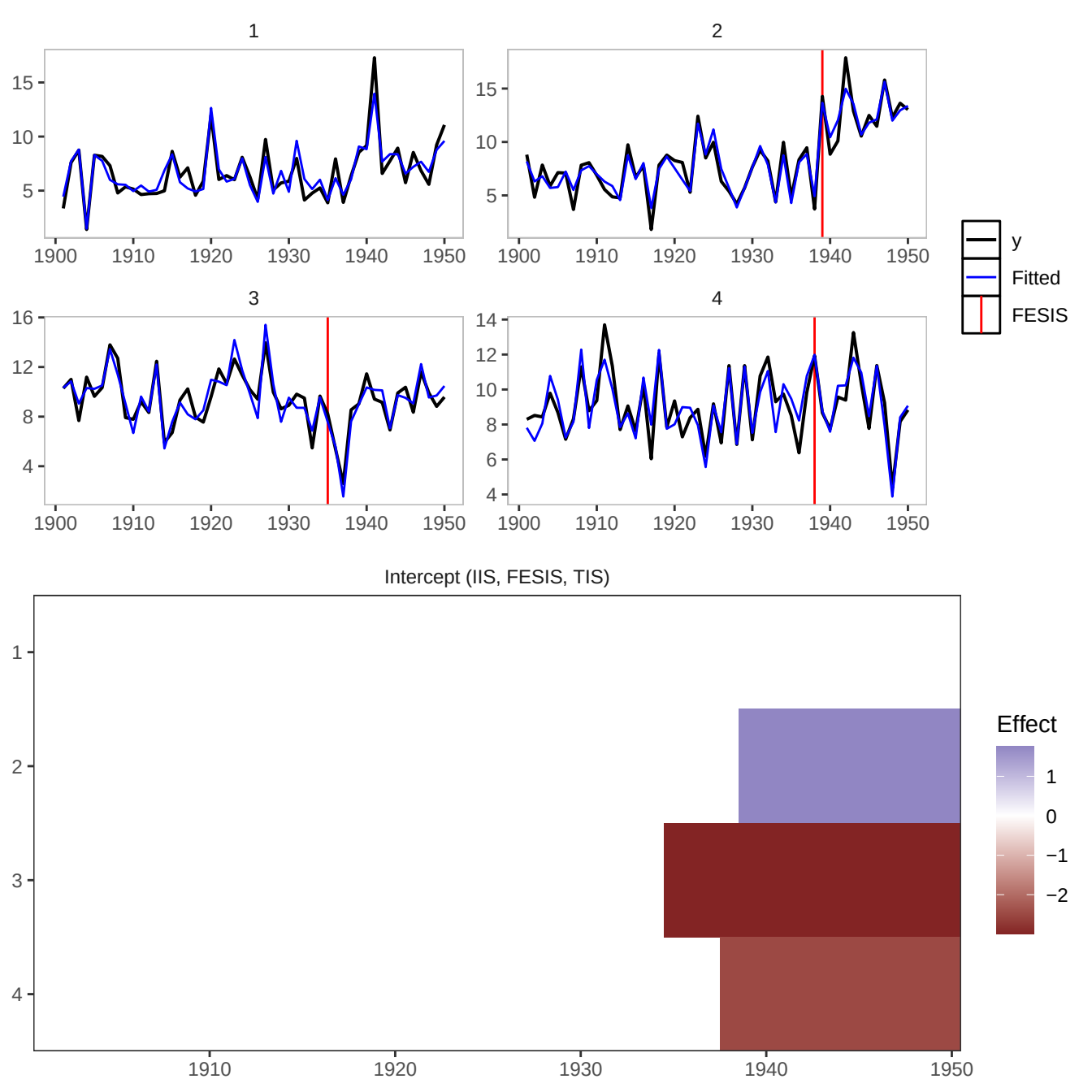
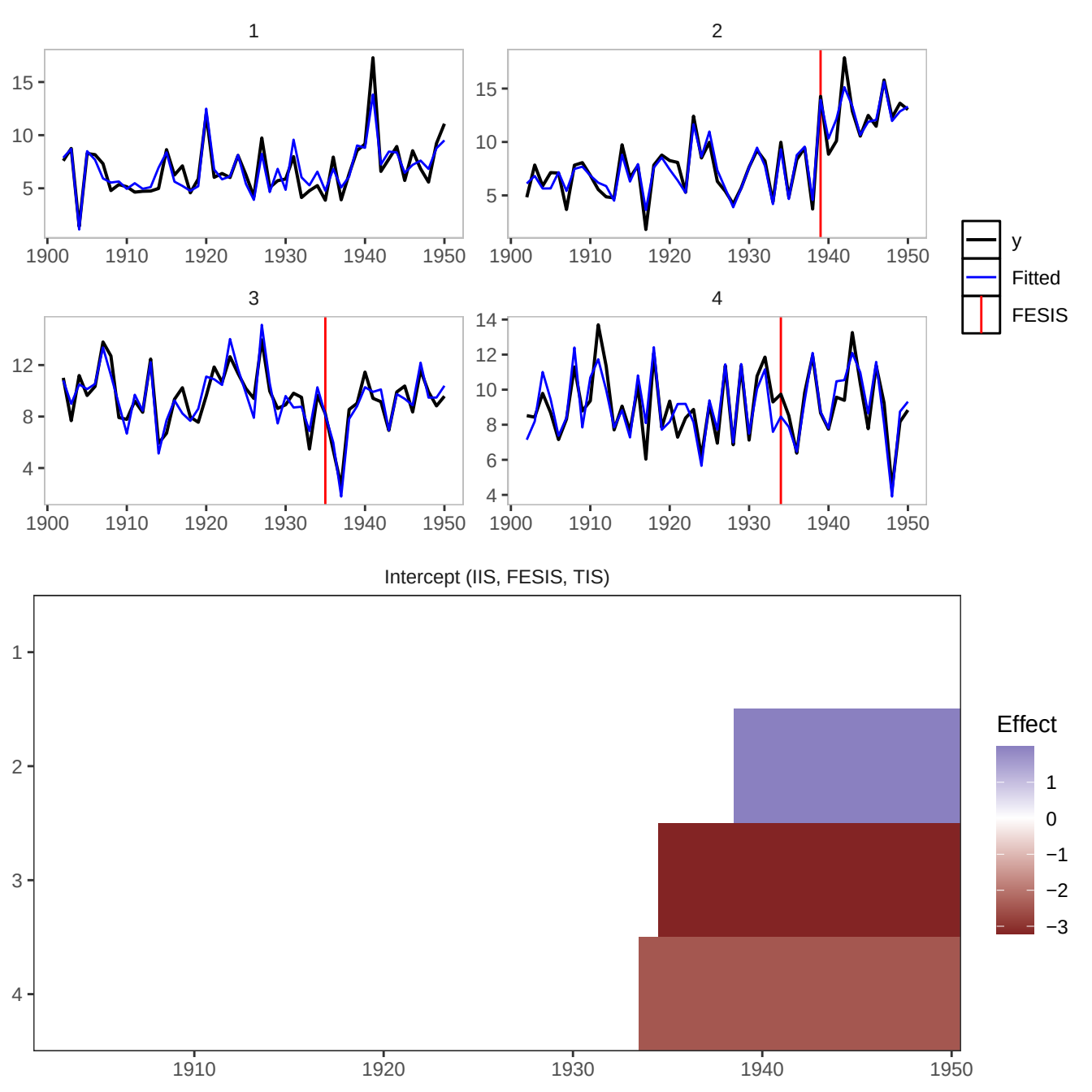

1
2
3
4
y
Fitted
FESIS
Intercept (IIS, FESIS, TIS)
Effect
1
0
−1
−2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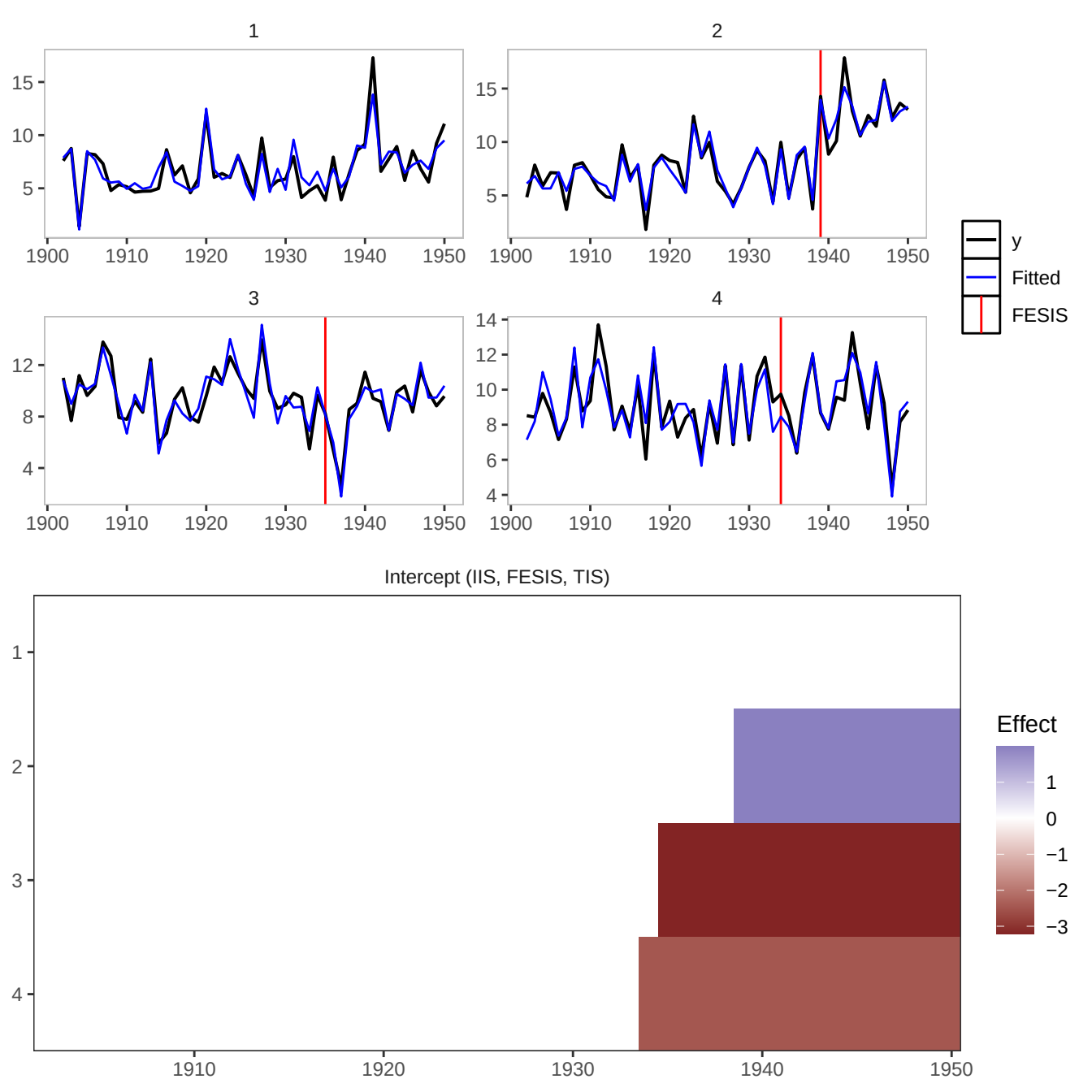
y
Fitted
FESIS
Intercept (IIS, FESIS, TIS)
Effect
1
0
−1
−2
−3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y
Fitted
FESIS
Intercept (IIS, FESIS, TIS)
Effect
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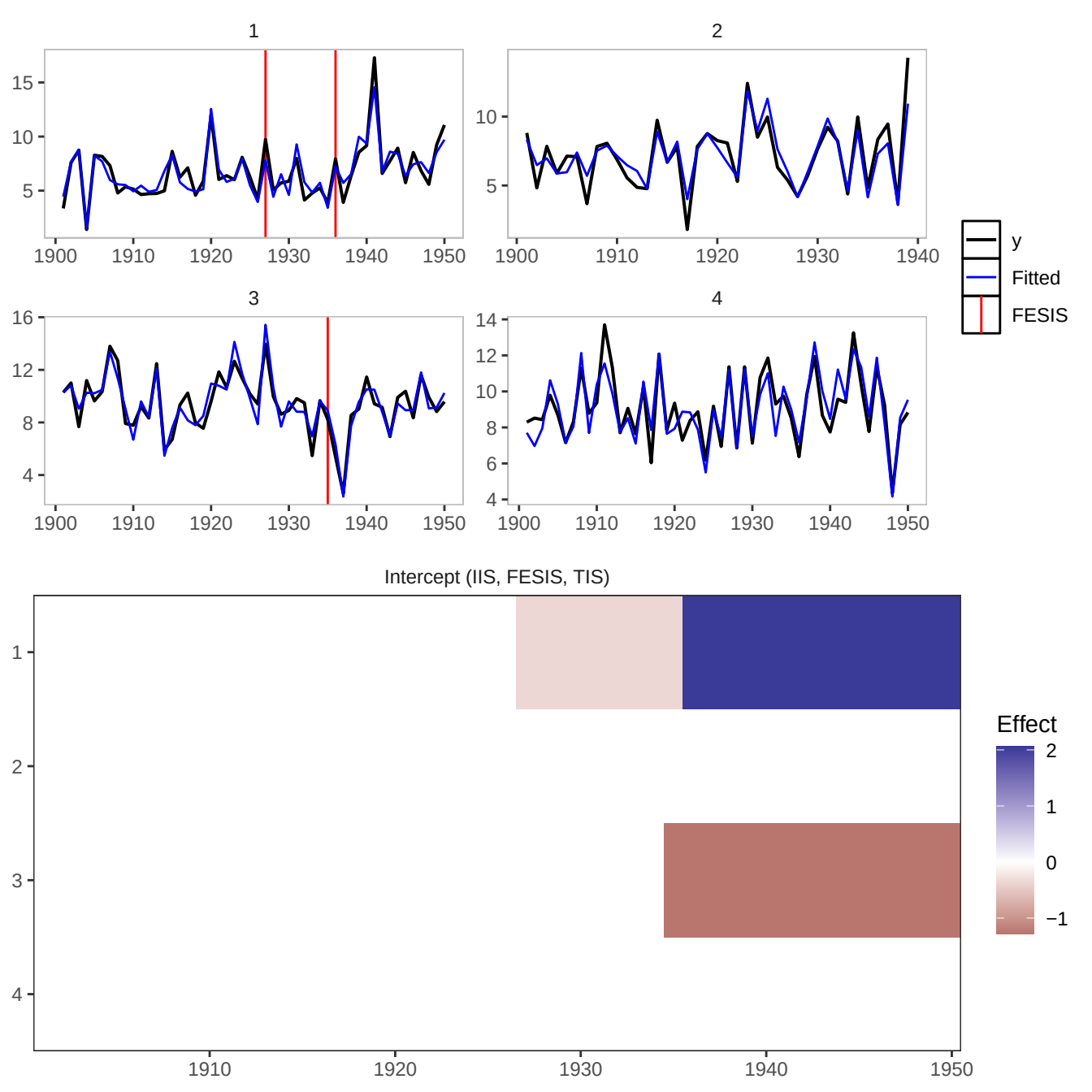
−1
−2
−3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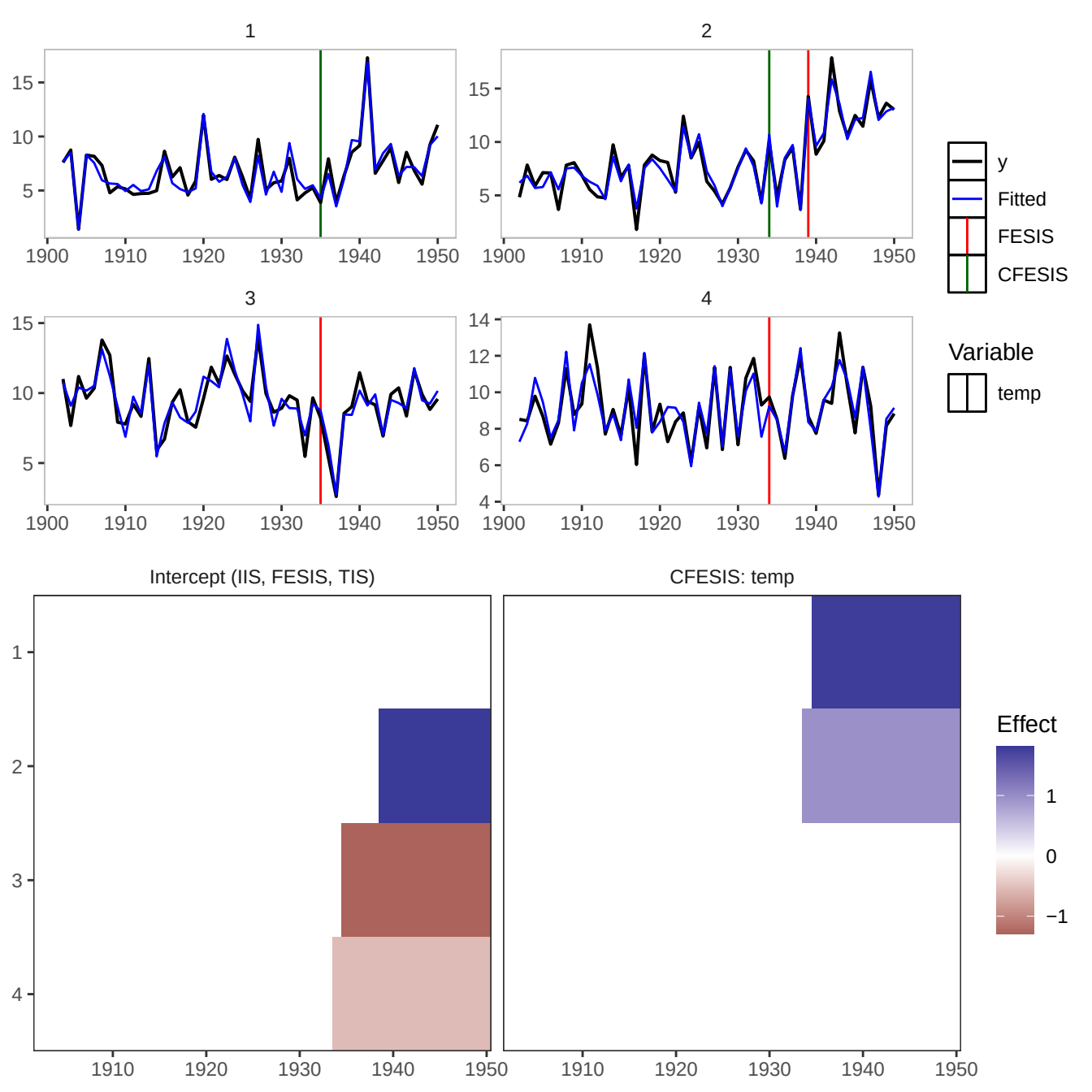
4
y
Fitted
FESIS
Intercept (IIS, FESIS, TIS)
Effect
2
1
0
−1


1
2
3
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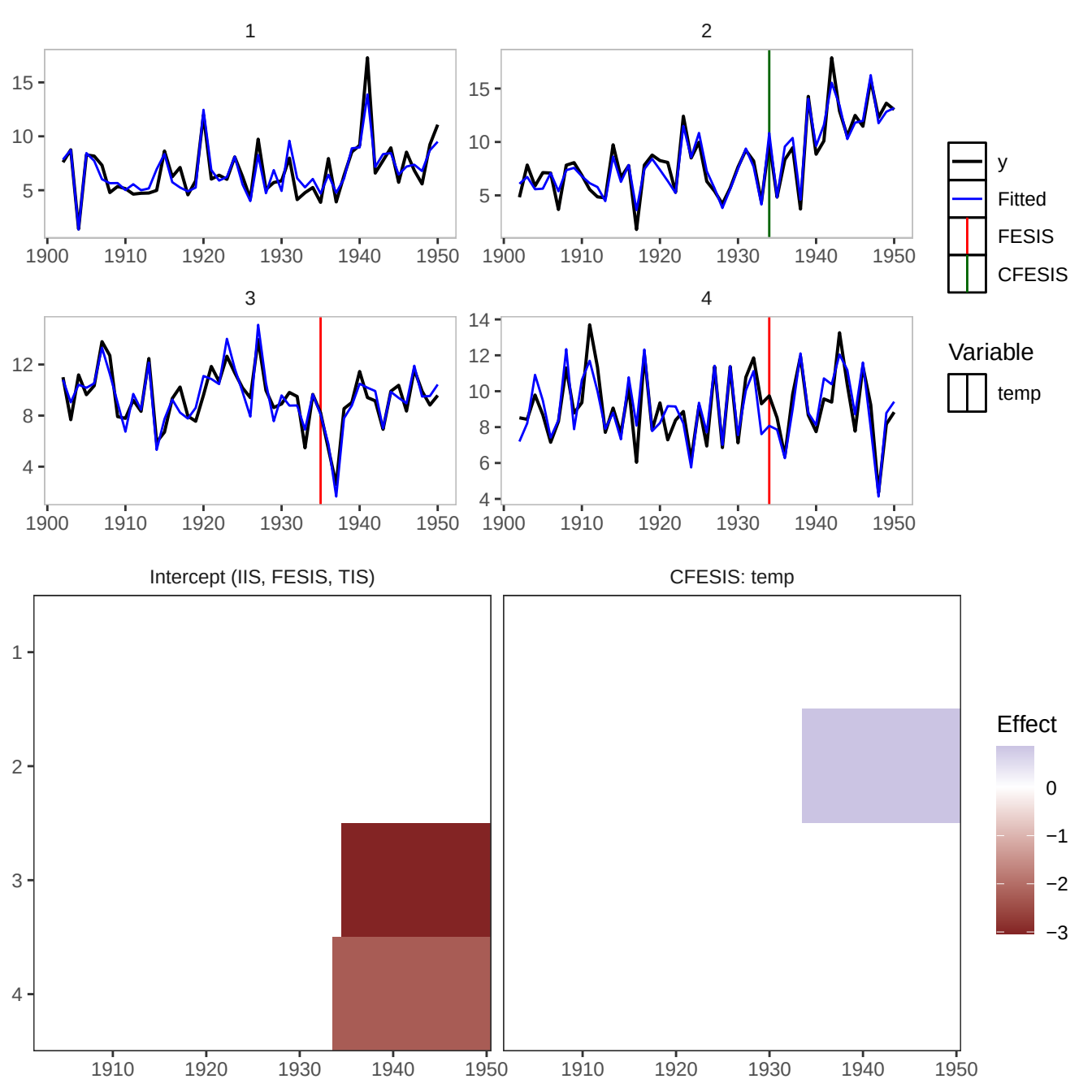
CFESIS
Variable
temp
Intercept (IIS, FESIS, TIS)
CFESIS: temp
Effect
1
0
−1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2
3
4
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Fitted
FESIS
CFESIS
Variable
temp
Intercept (IIS, FESIS, TIS)
CFESIS: temp
Effect
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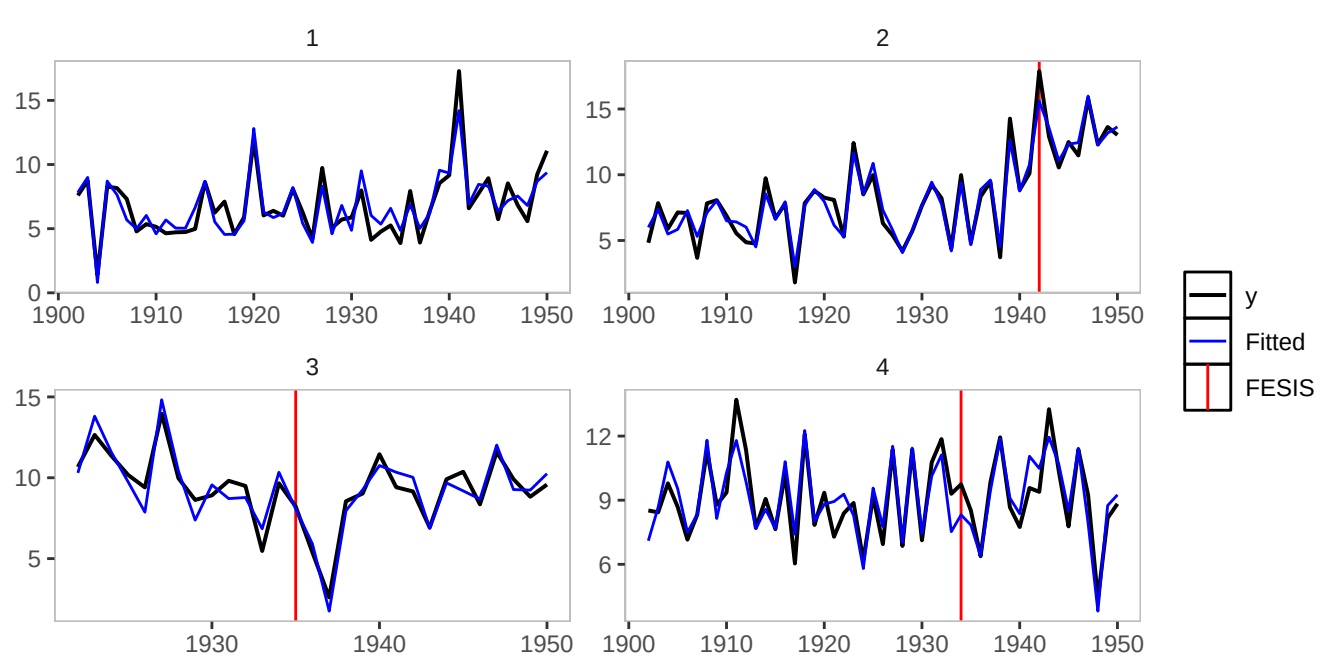
−2
−3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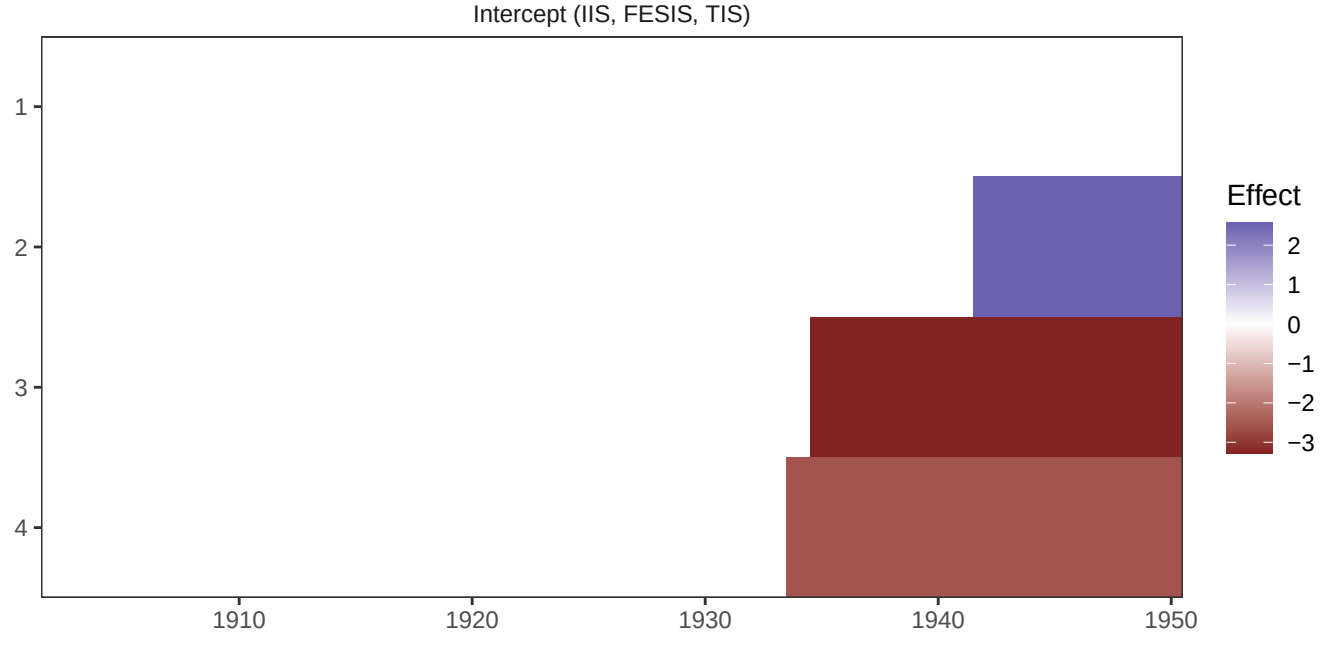
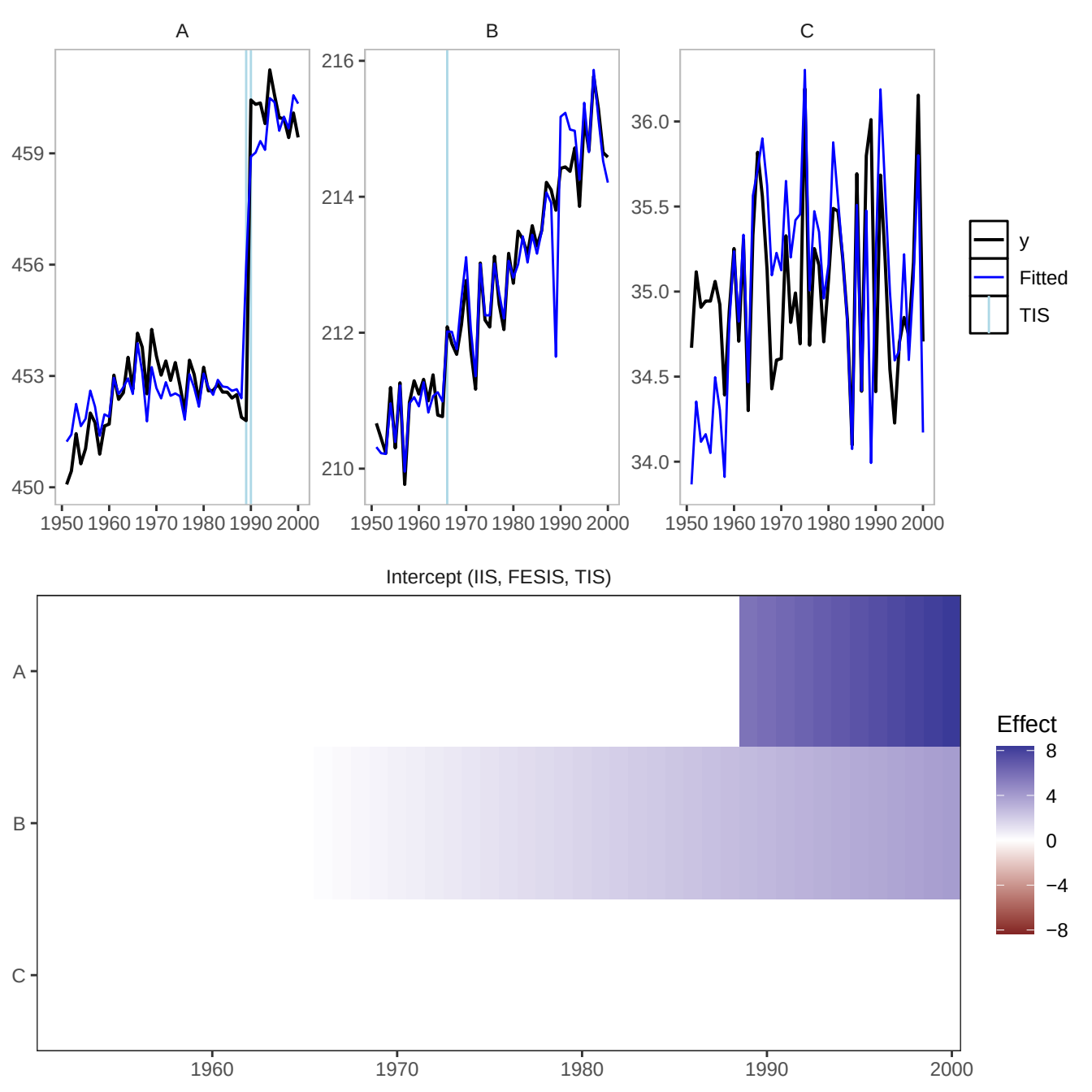
y
Fitted
FESIS


Intercept (IIS, FESIS, TIS)
Effect


A
B
C
459
456
453
450
216
214
212
210
36.0
35.5
35.0
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
TIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
8
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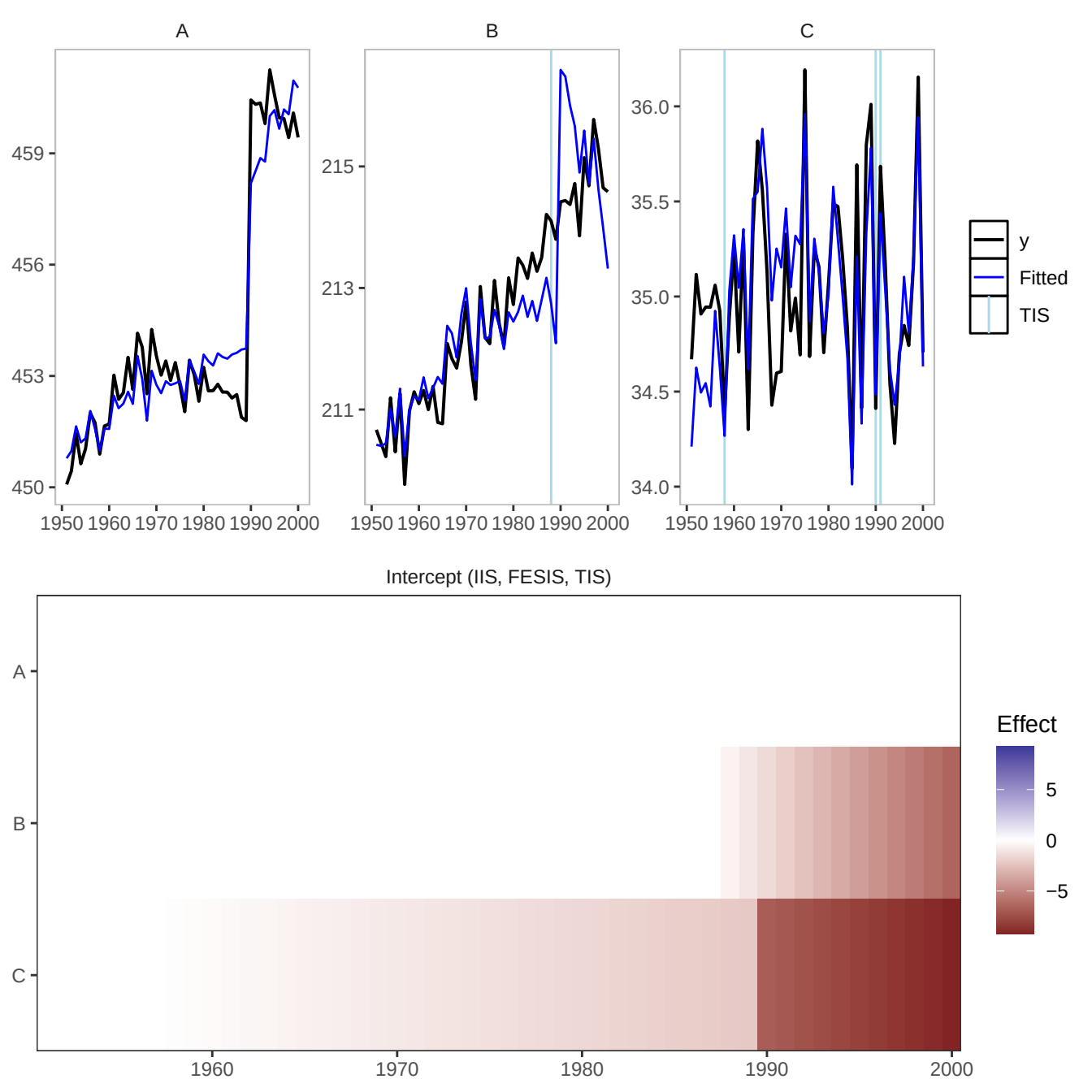
−4
−8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456
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35.0
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34.0
1950 1960 1970 1980 1990 2000
y
Fitted
TIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
5
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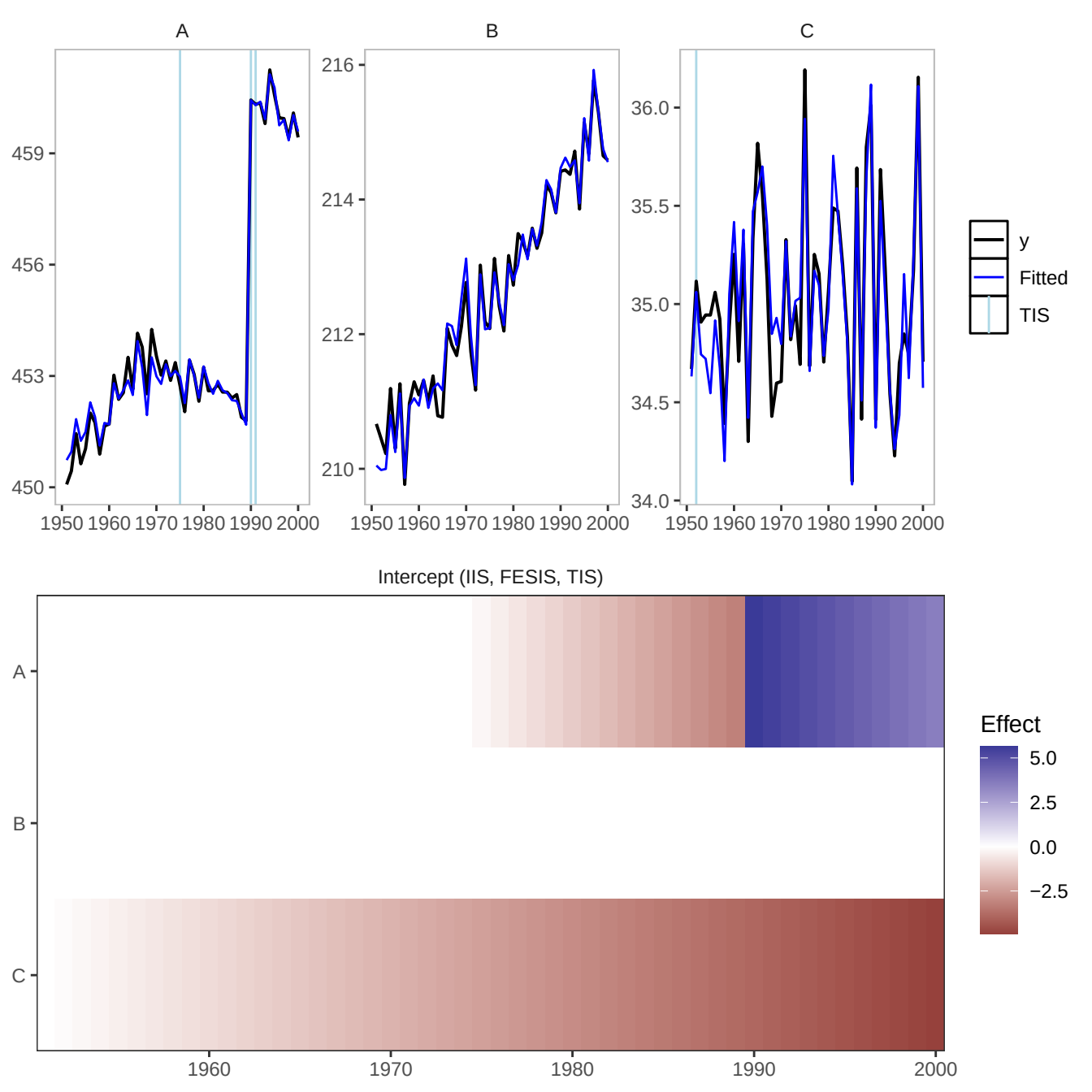
−5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214
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35.0
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
TIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
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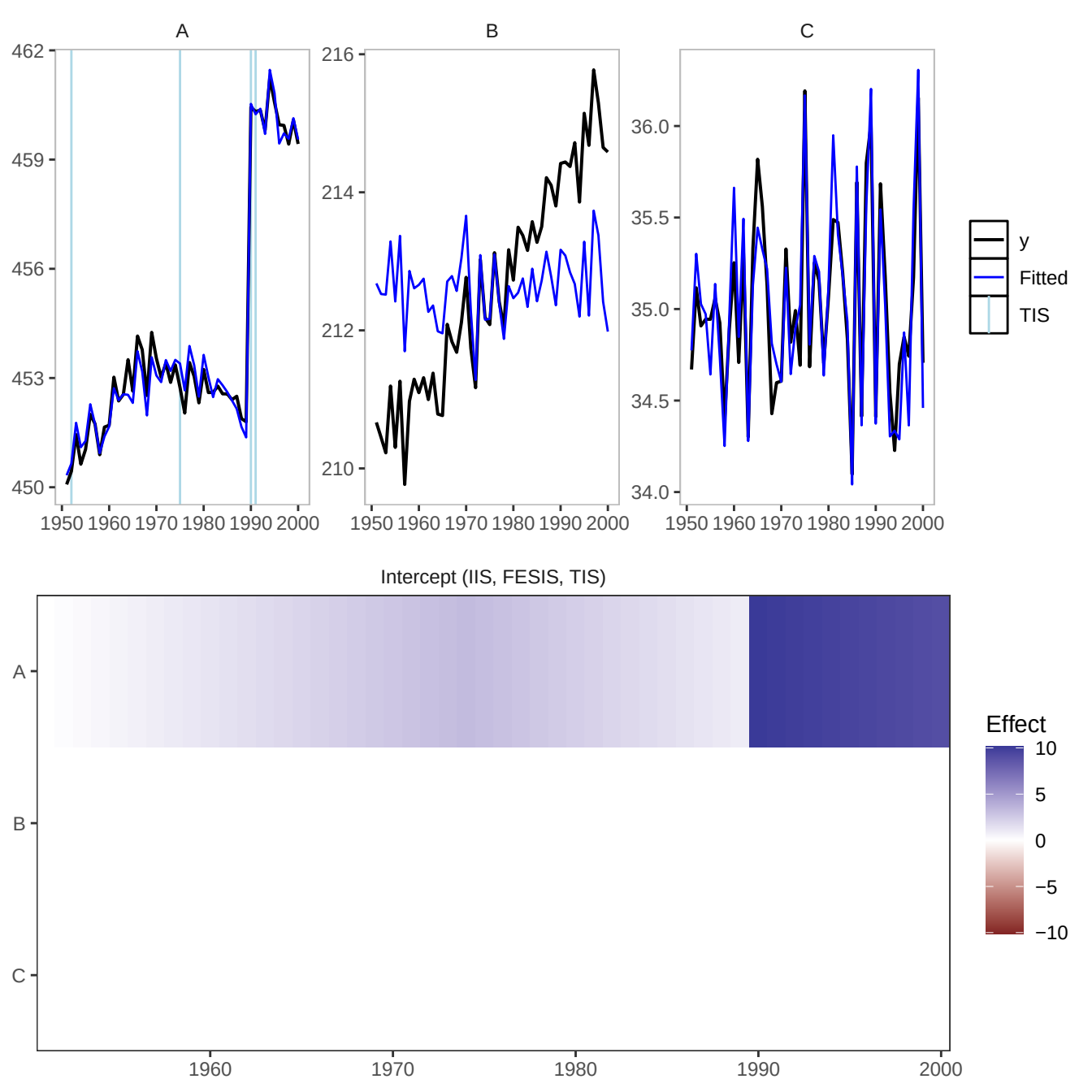
0.0
−2.5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34.0
1950 1960 1970 1980 1990 2000
y
Fitted
TIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
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1990
2000
Effect
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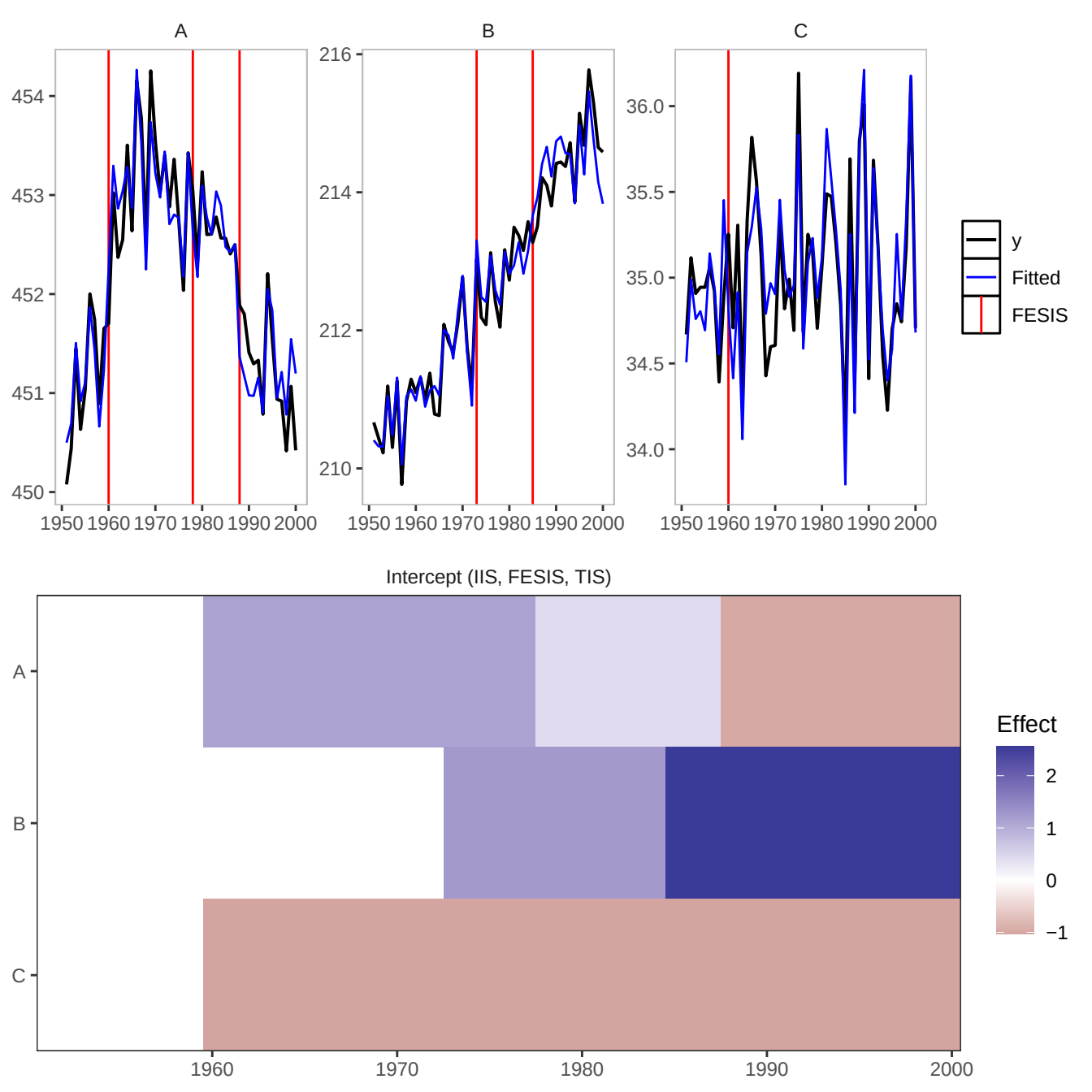
−5
−10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C
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35.0
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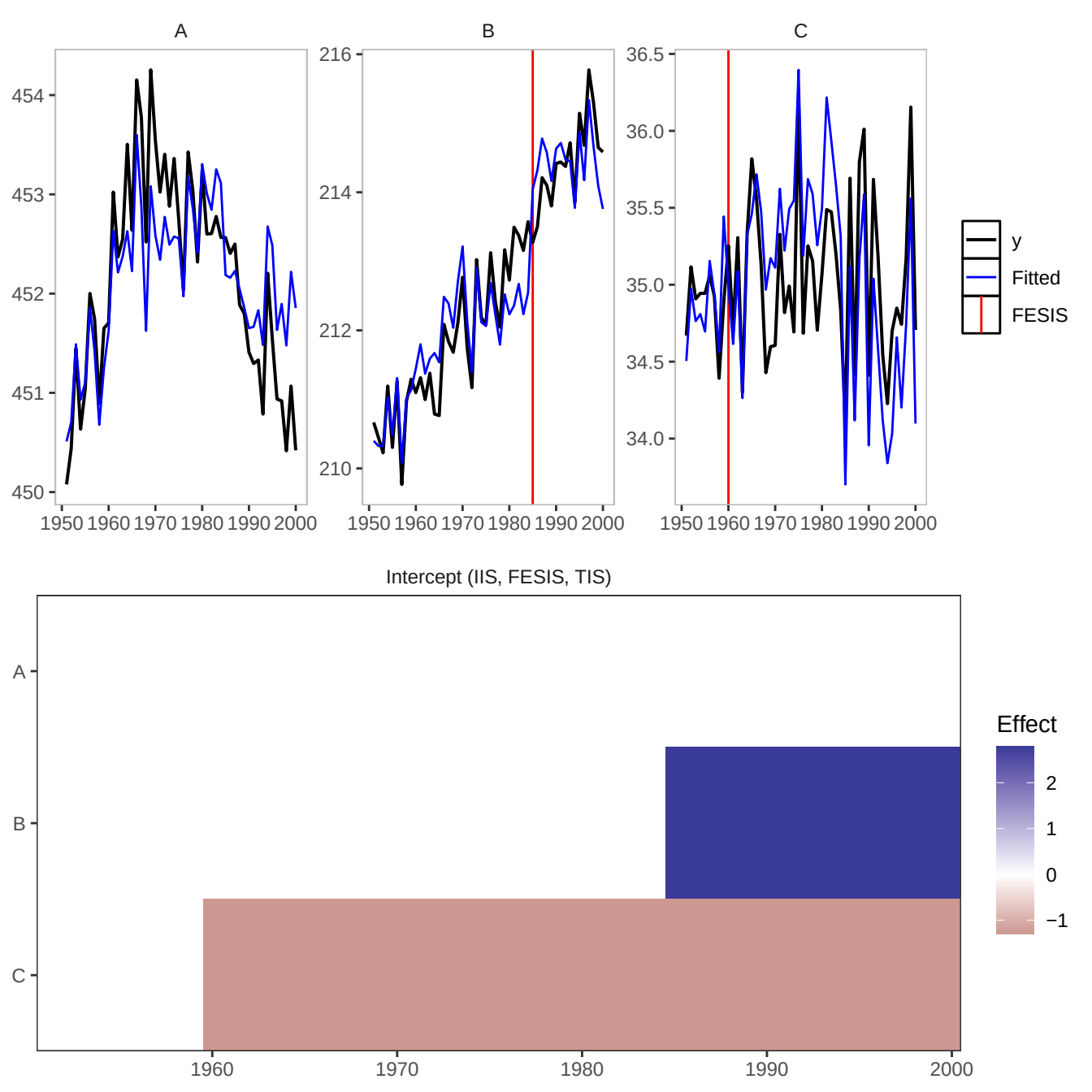
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
FESIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
2
1
0
−1


A
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C
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453
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451
450
216
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212
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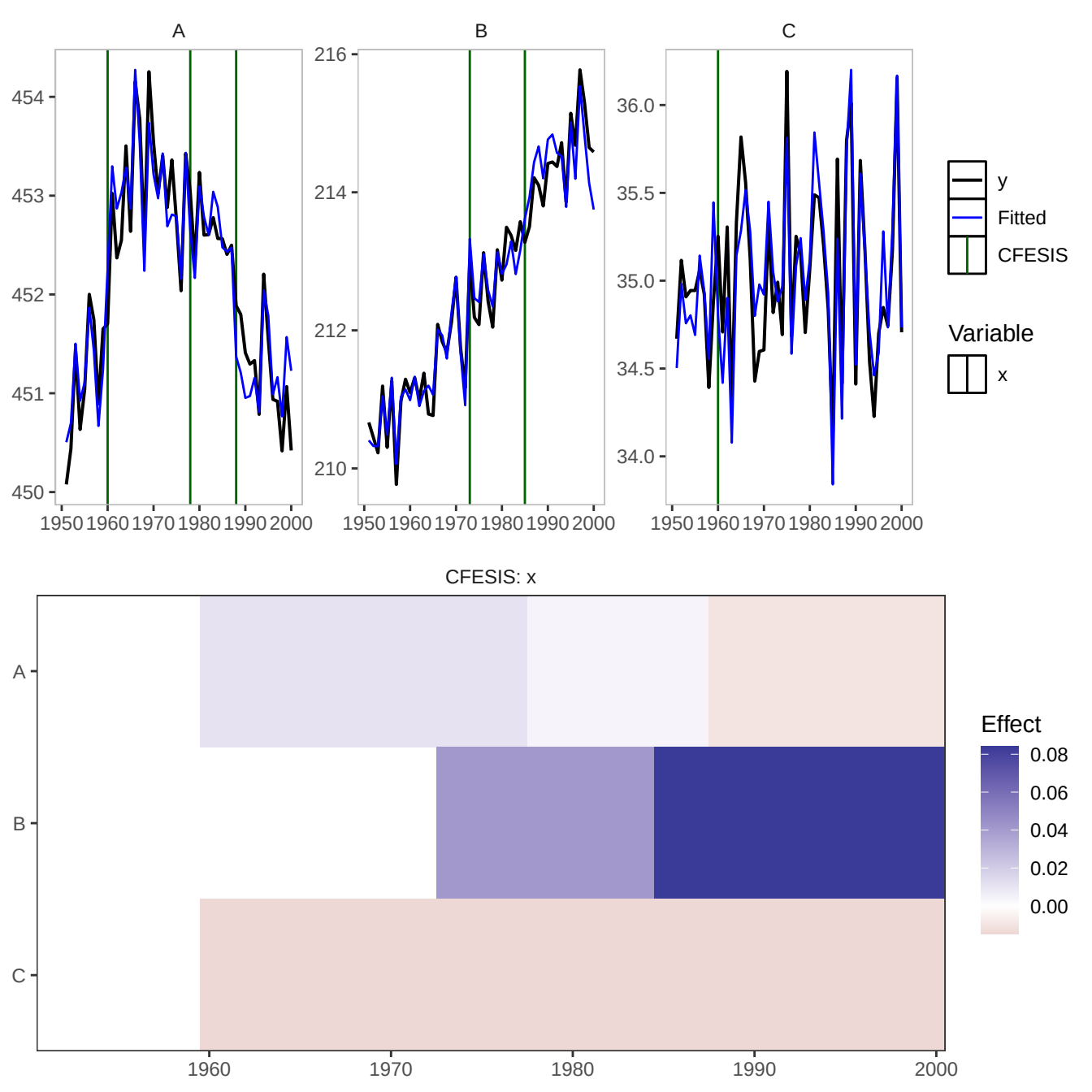
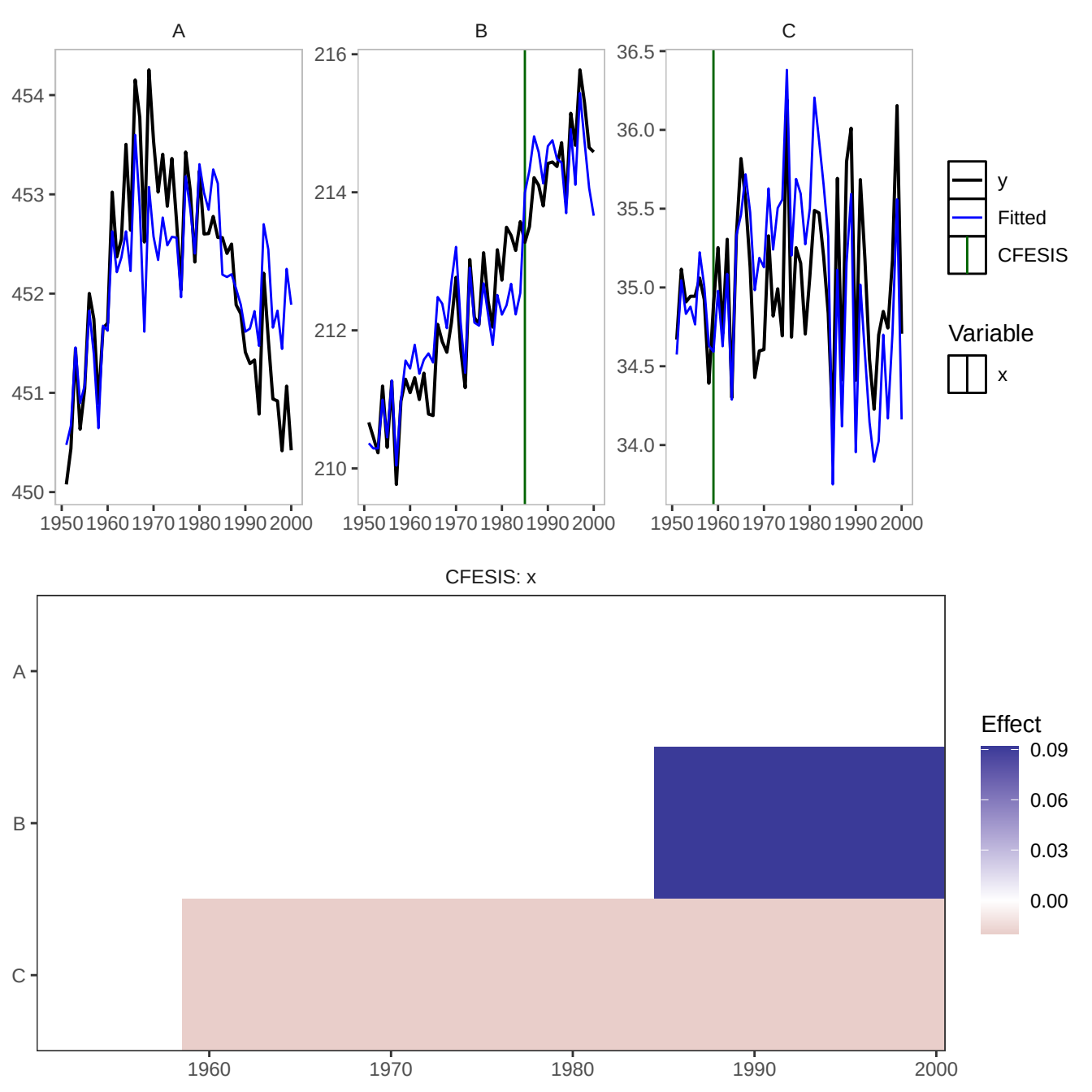
36.5
36.0
35.5
35.0
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
FESIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
2
1
0
−1


A
B
C
454
453
452
451
450
216
214
212
210
36.0
35.5
35.0
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
CFESIS
Variable
x
CFESIS: x
A
B
C
1960
1970
1980
1990
2000
Effect
0.08
0.06
0.04
0.02
0.00


A
B
C
454
453
452
451
450
216
214
212
210
36.5
36.0
35.5
35.0
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
CFESIS
Variable
x
CFESIS: x
A
B
C
1960
1970
1980
1990
2000
Effect
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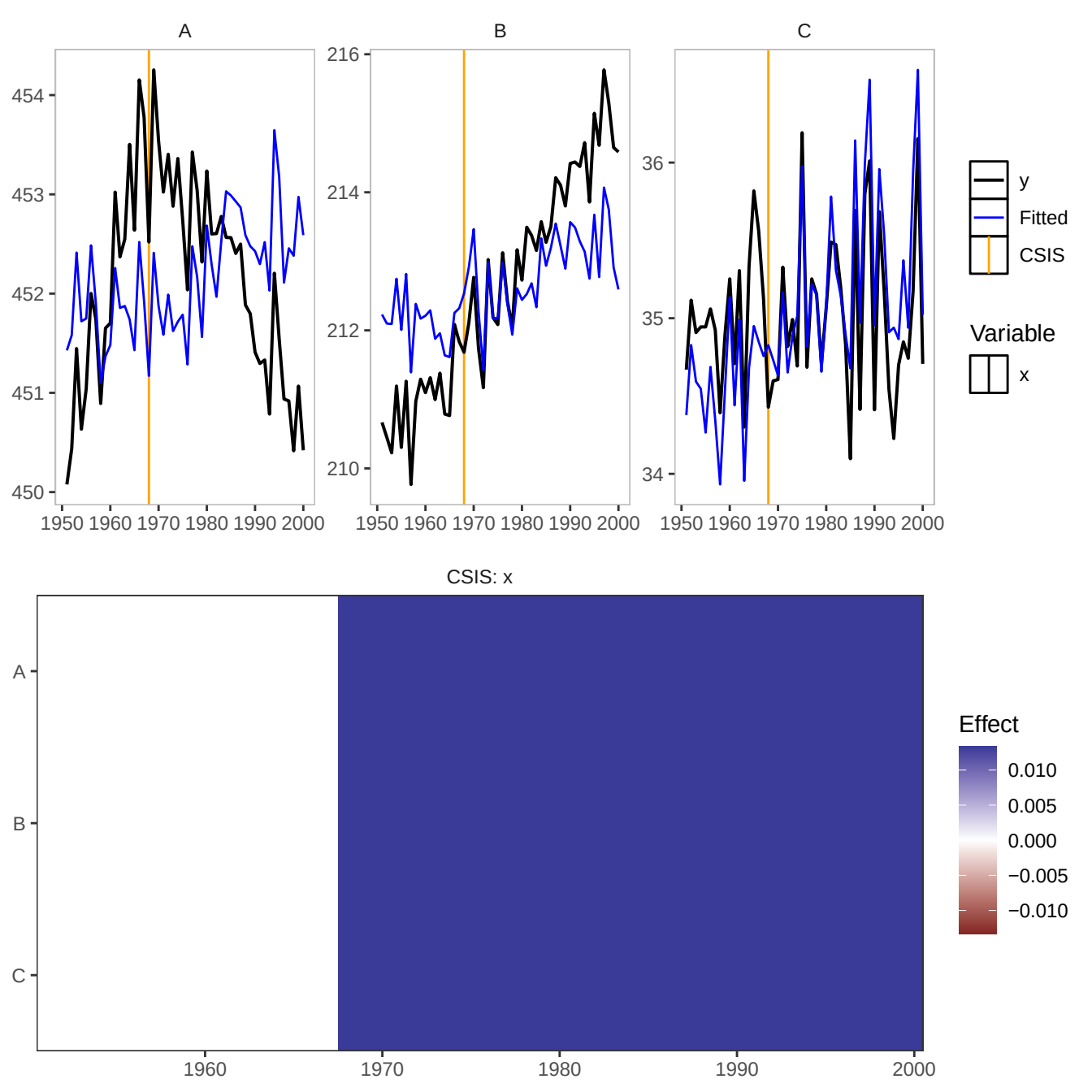
0.06
0.03
0.00


A
B
C
454
453
452
451
450
216
214
212
210
36
35
34
1950 1960 1970 1980 1990 2000
y
Fitted
CSIS
Variable
x
CSIS: x
A
B
C
1960
1970
1980
1990
2000
Effect
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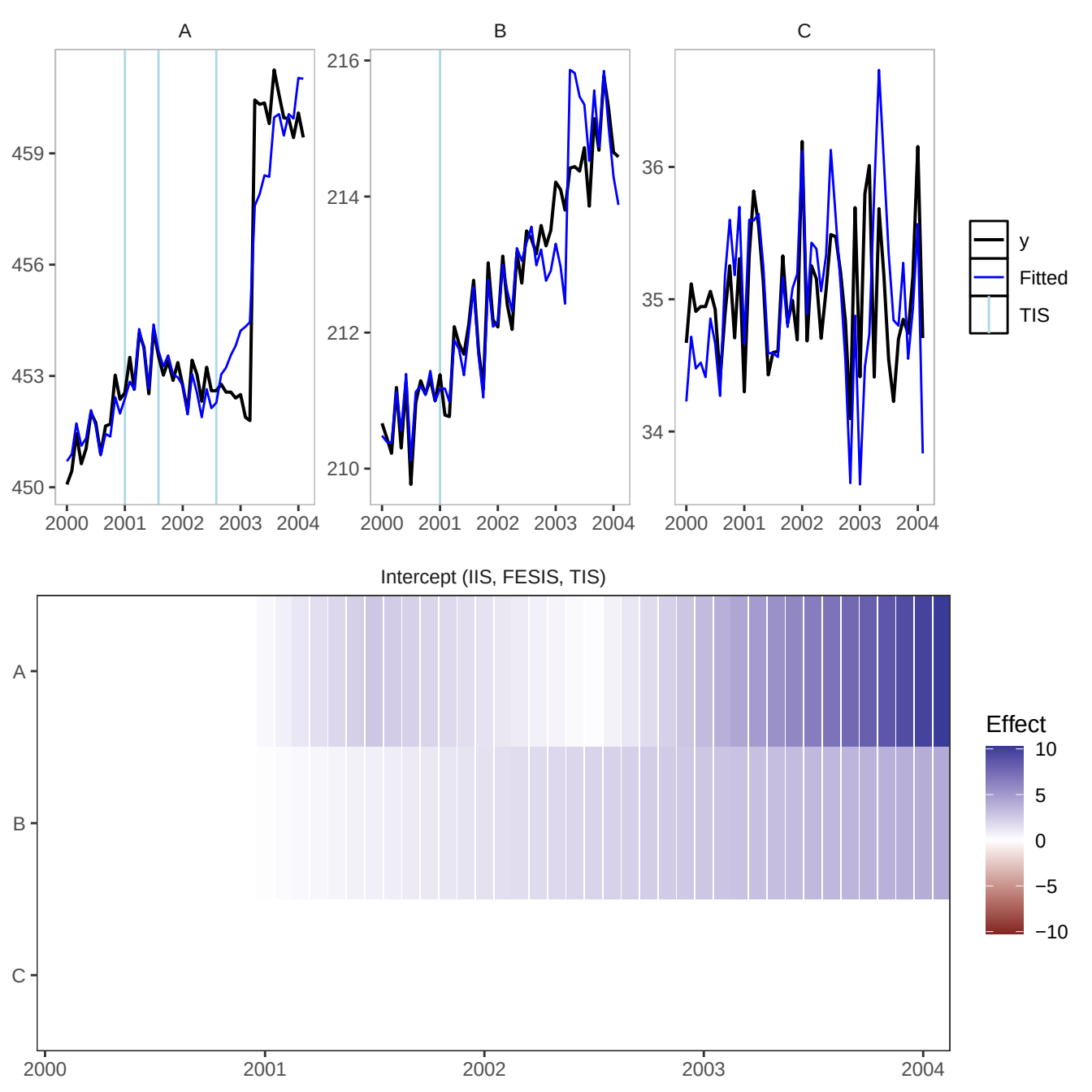
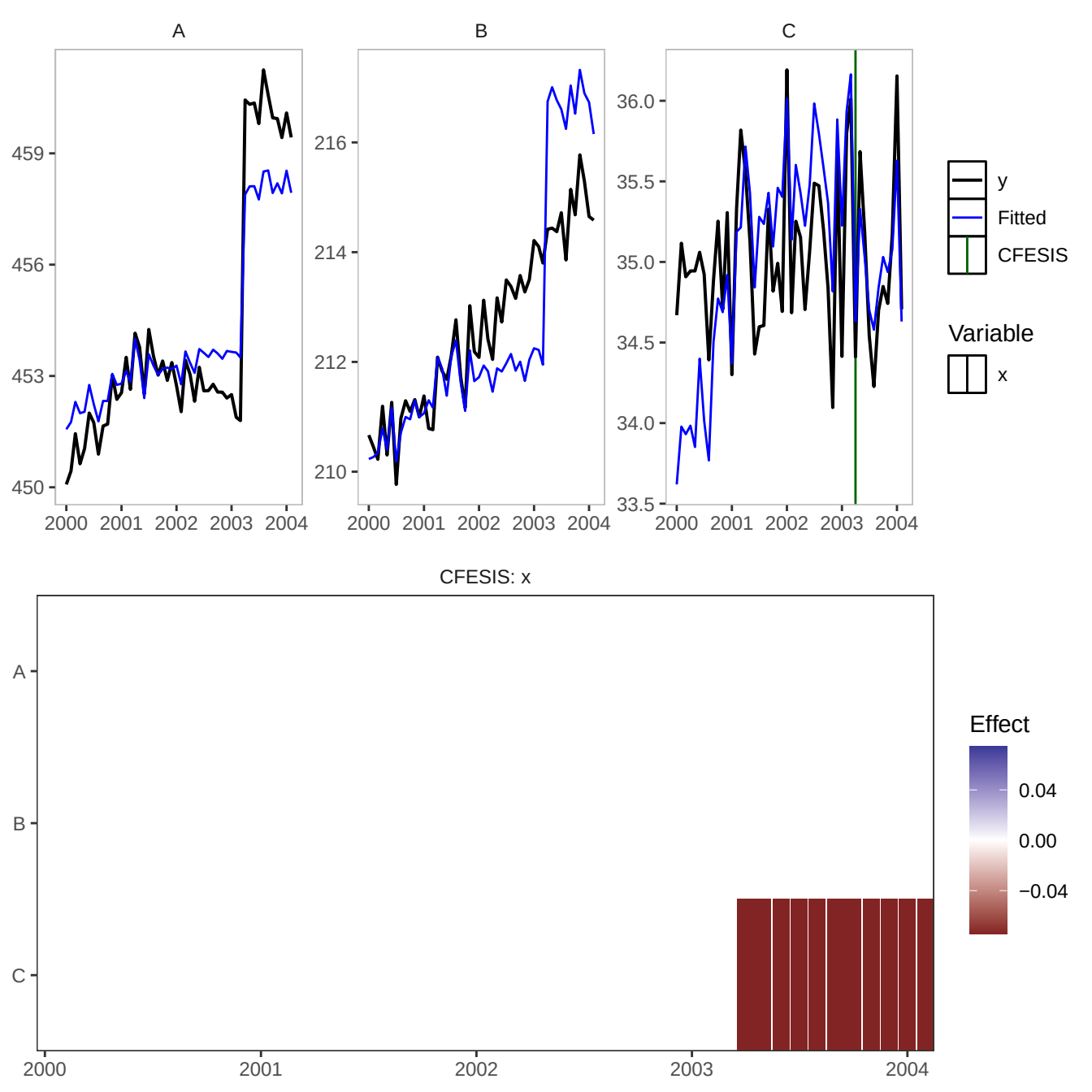
0.005
0.000
−0.005
−0.010


A
B
C
459
456
453
450
216
214
212
210
36
35
34
2000
2001
2002
2003
2004
y
Fitted
TIS
Intercept (IIS, FESIS, TIS)
A
B
C
Effect
10
5
0
−5
−10


A
B
C
459
456
453
450
216
214
212
210
36.0
35.5
35.0
34.5
34.0
33.5
2000
2001
2002
2003
2004
y
Fitted
CFESIS
Variable
x
CFESIS: x
A
B
C
Effect
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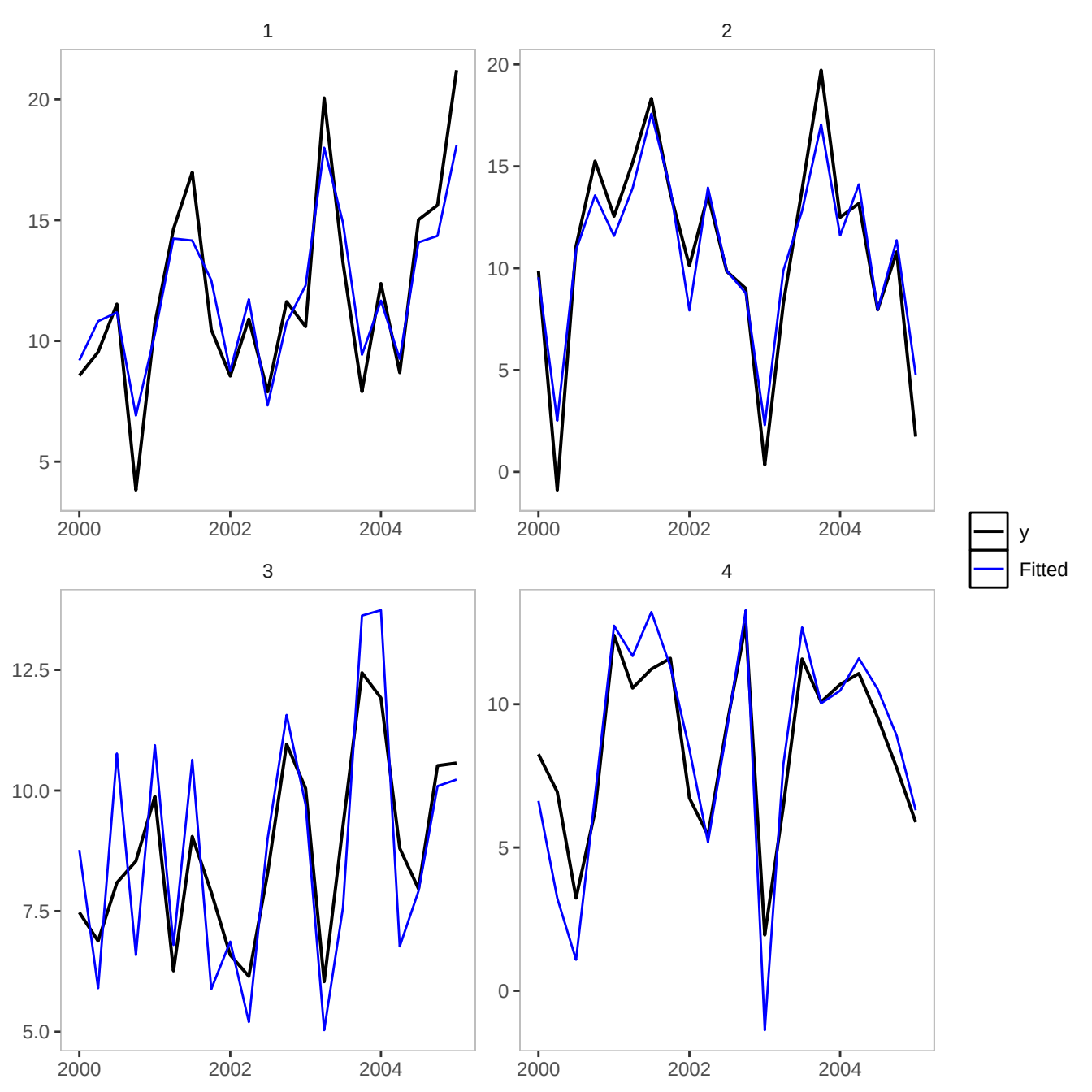
0.00
−0.04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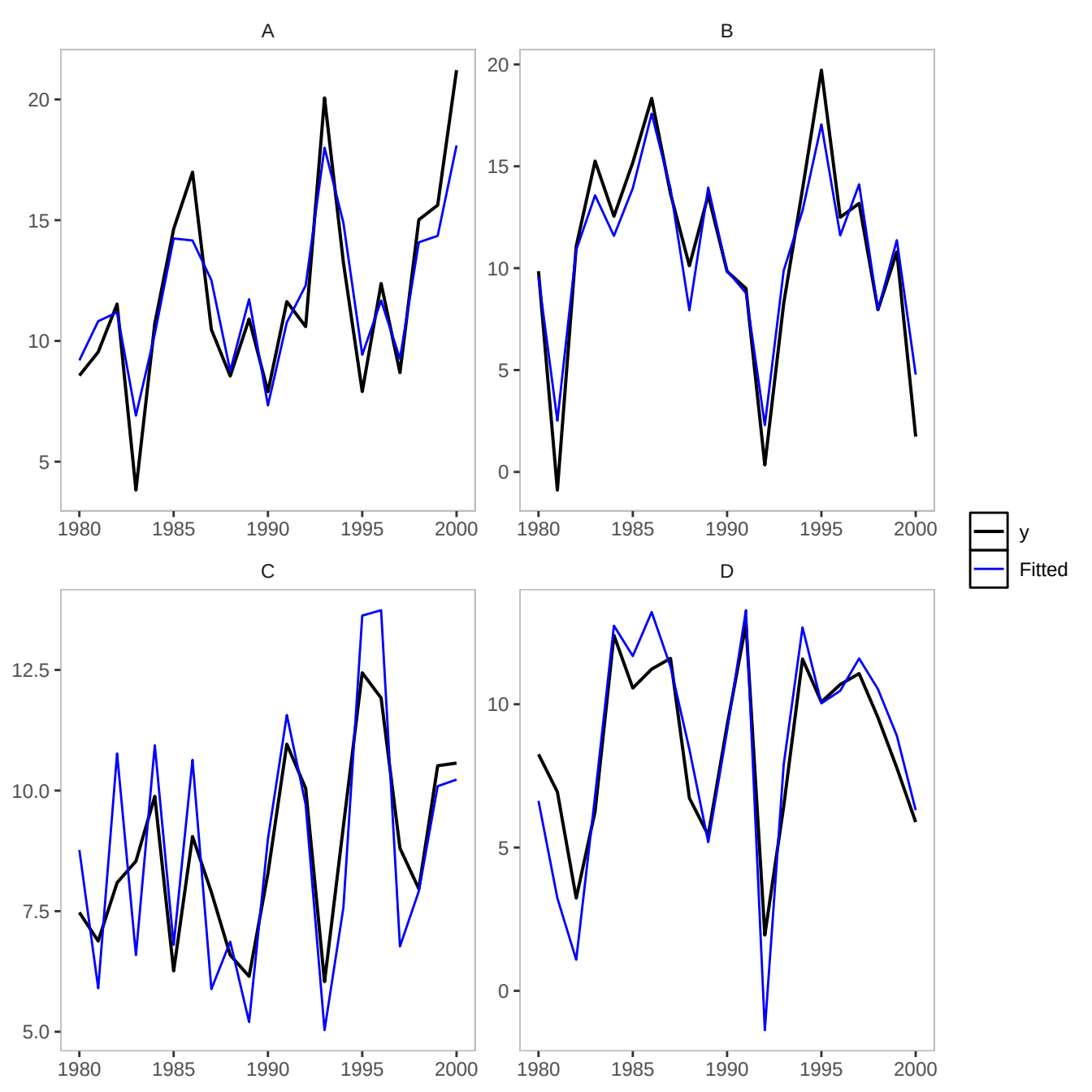
Fitted
2000
2002
2004
5
10
15
20
0
5.0
7.5
10.0
12.5


A
B
C
D
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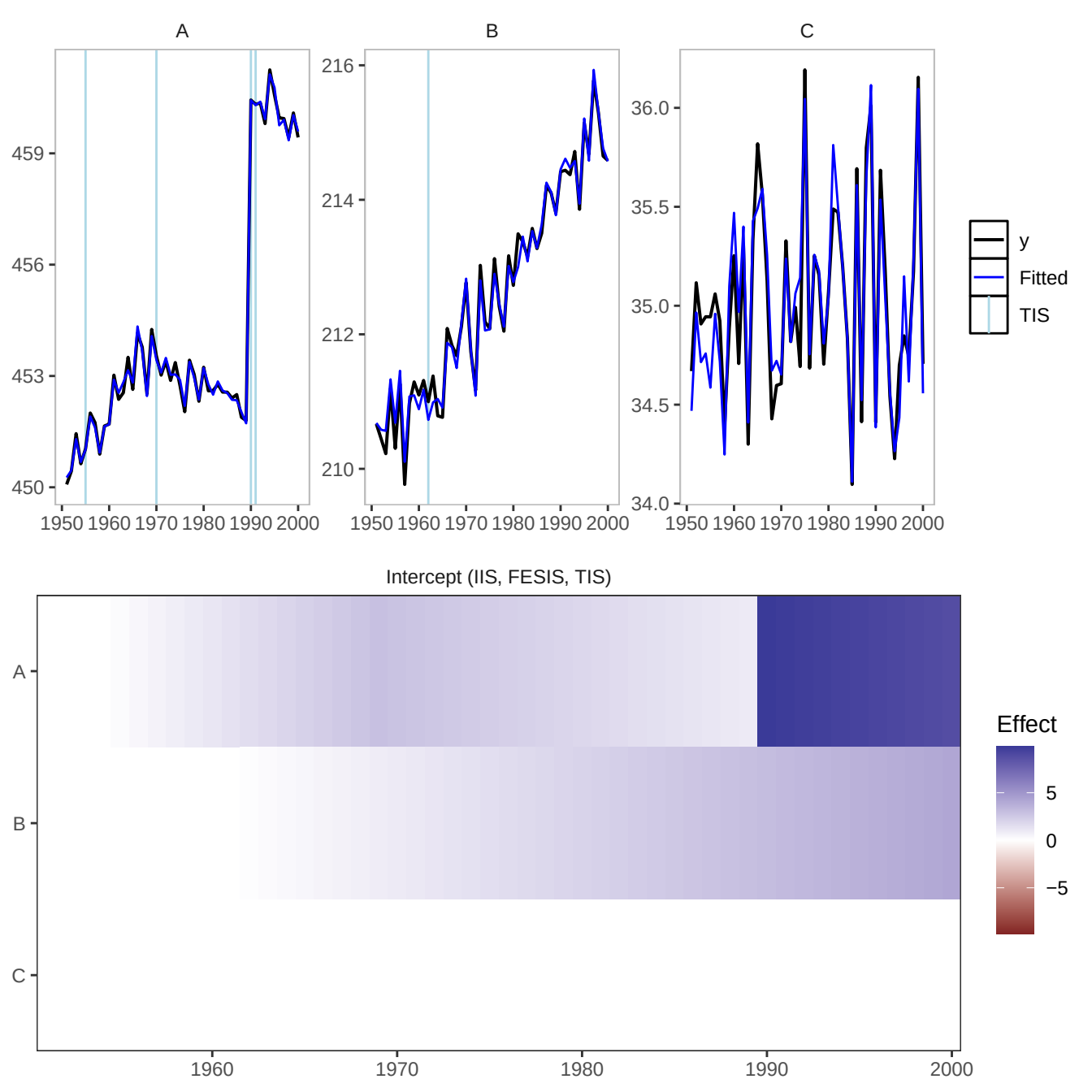
12.5


A
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210
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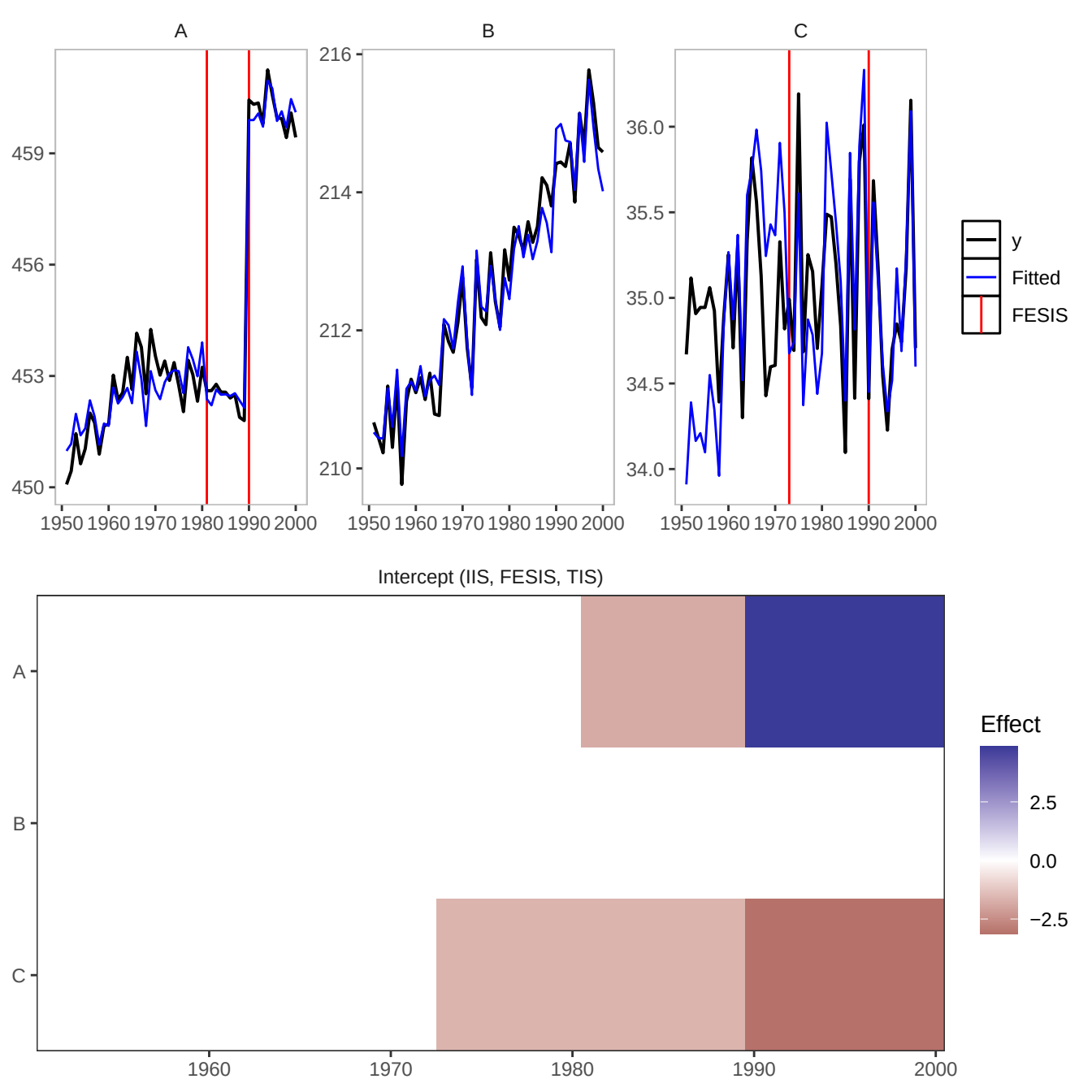
35.0
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
TIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
5
0
−5


A
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216
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210
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35.5
35.0
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
FESIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
2.5
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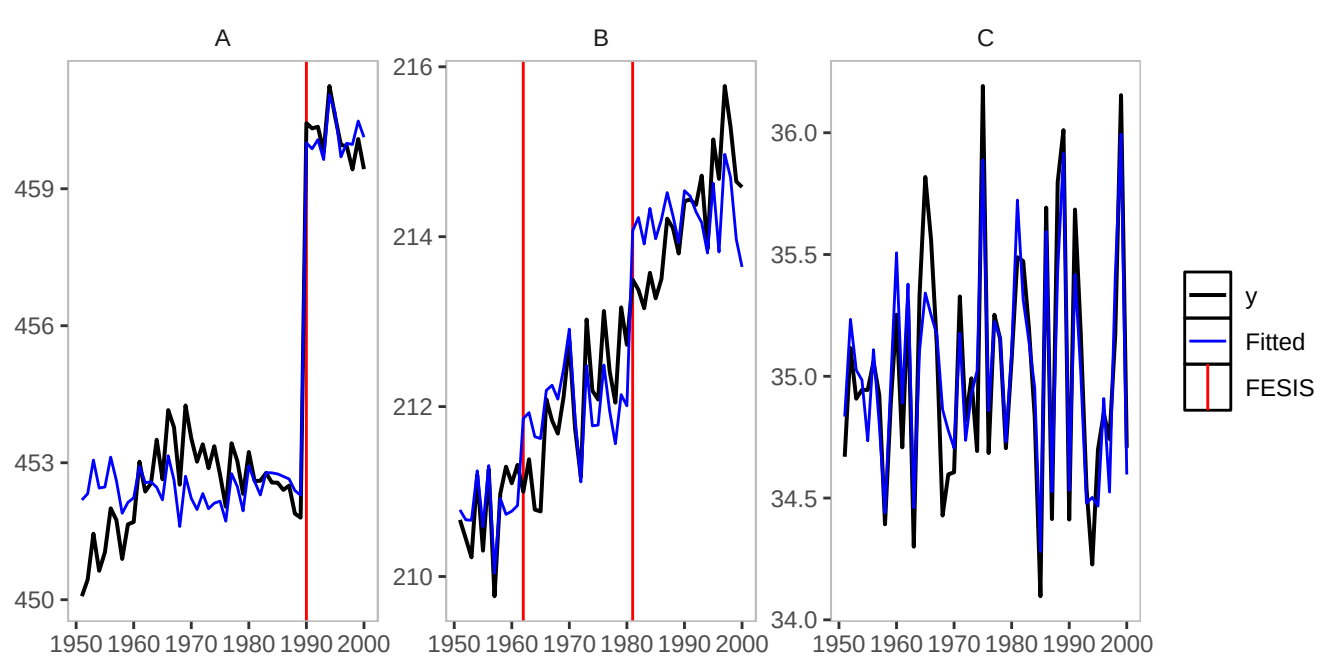
−2.5


A
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456
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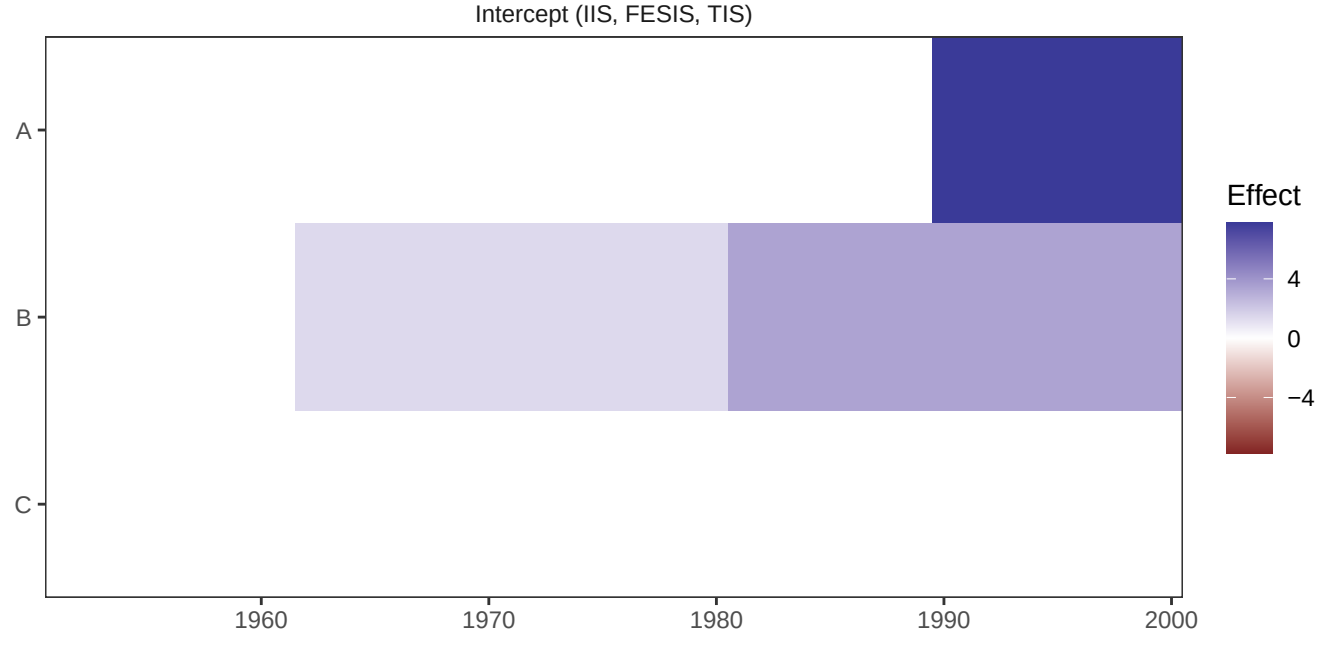
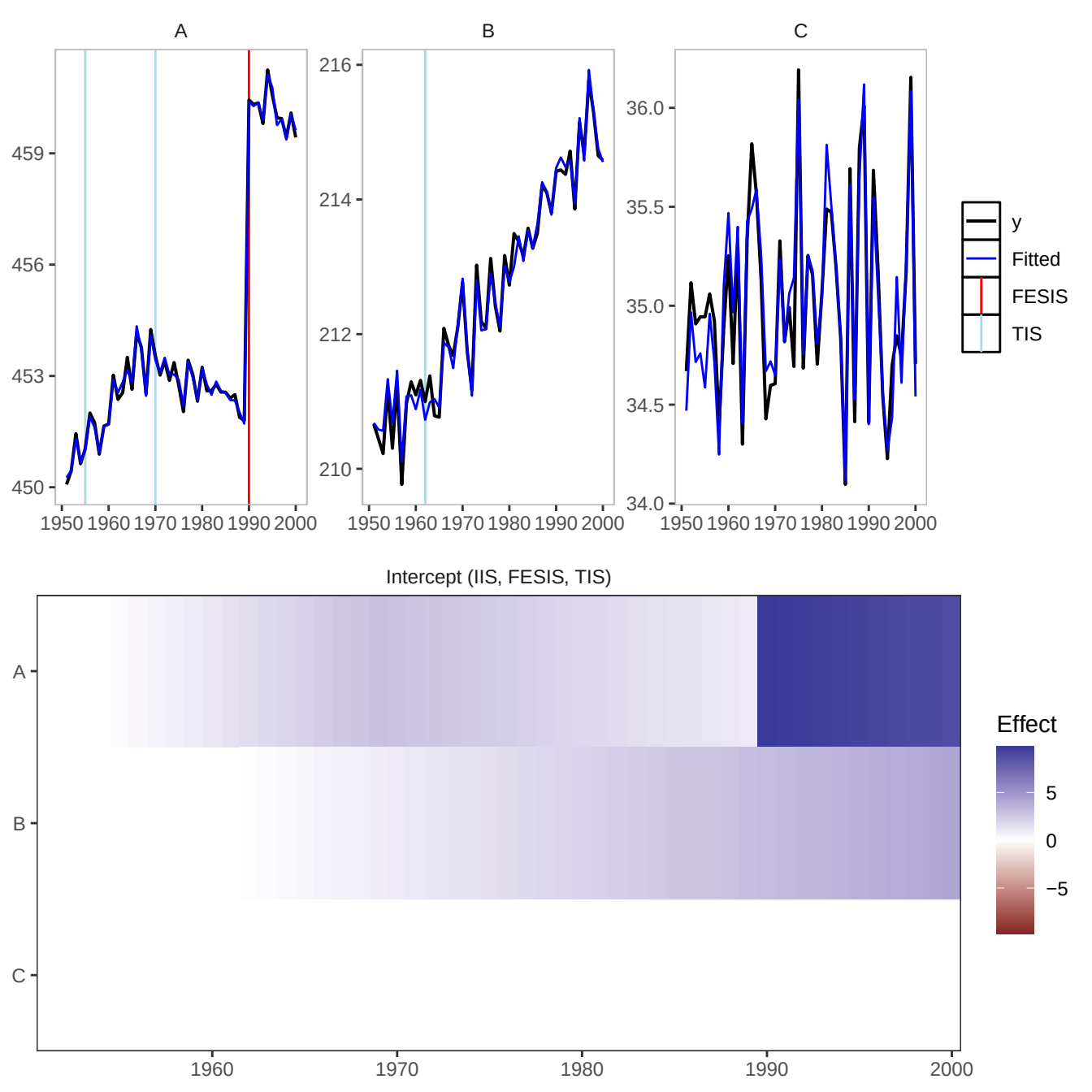
1950 1960 1970 1980 1990 2000
y
Fitted
FESIS


Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
4
0
−4


A
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C
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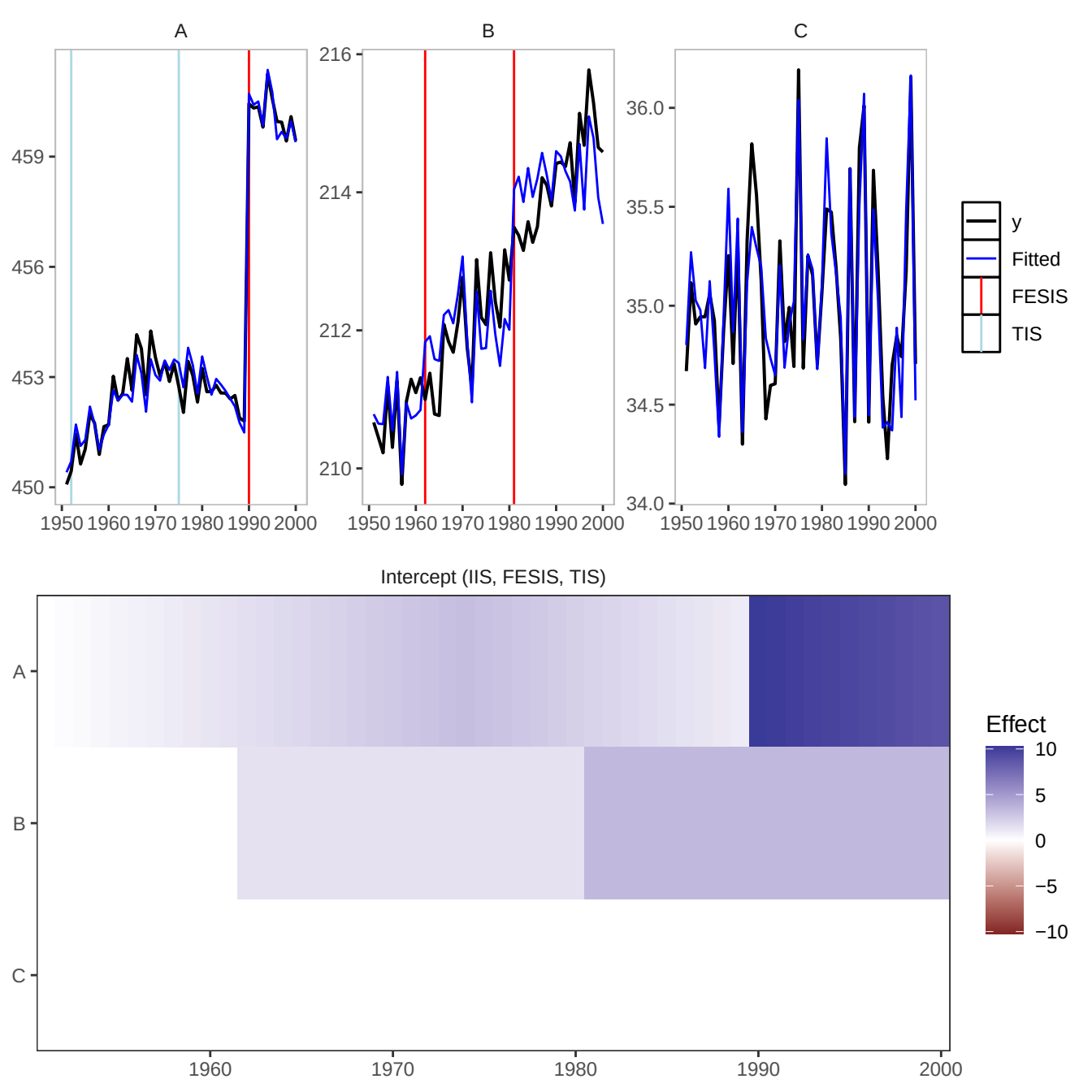
216
214
212
210
36.0
35.5
35.0
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
FESIS
TIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
5
0
−5


A
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C
459
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36.0
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35.0
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34.0
1950 1960 1970 1980 1990 2000
y
Fitted
FESIS
TIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
10
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0
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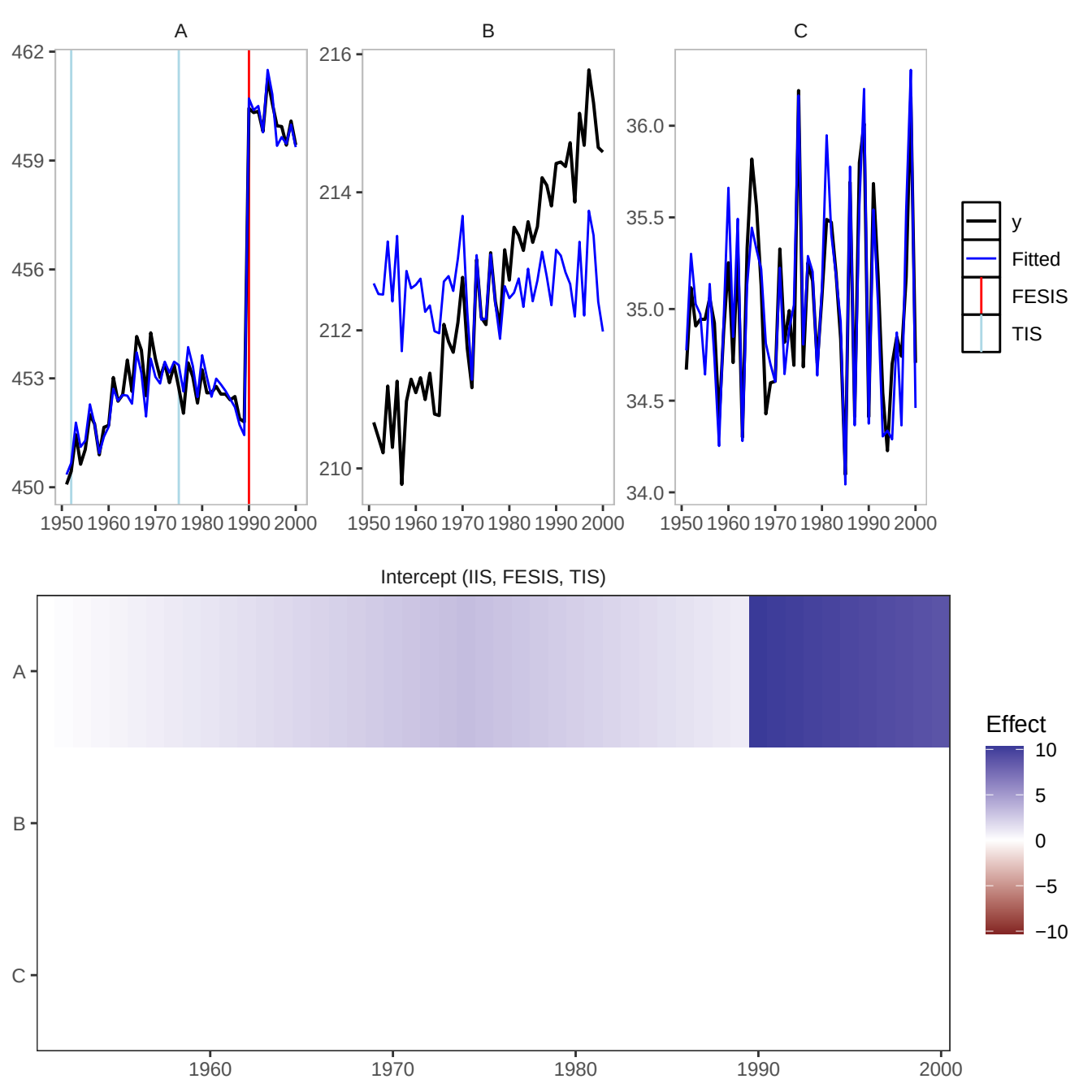
−10


A
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214
212
210
36.0
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34.0
1950 1960 1970 1980 1990 2000
y
Fitted
FESIS
TIS
Intercept (IIS, FESIS, TIS)
A
B
C
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1970
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1990
2000
Effect
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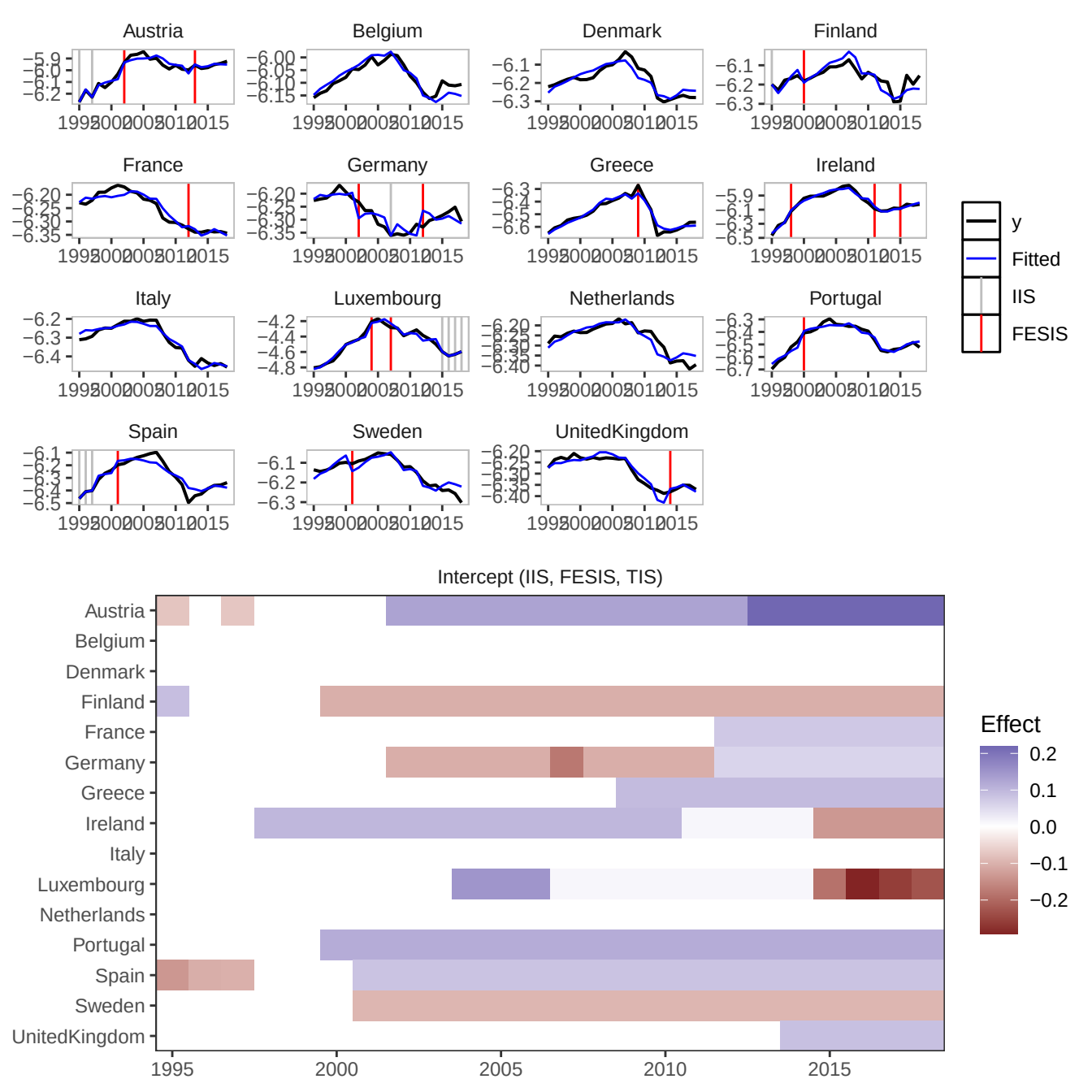
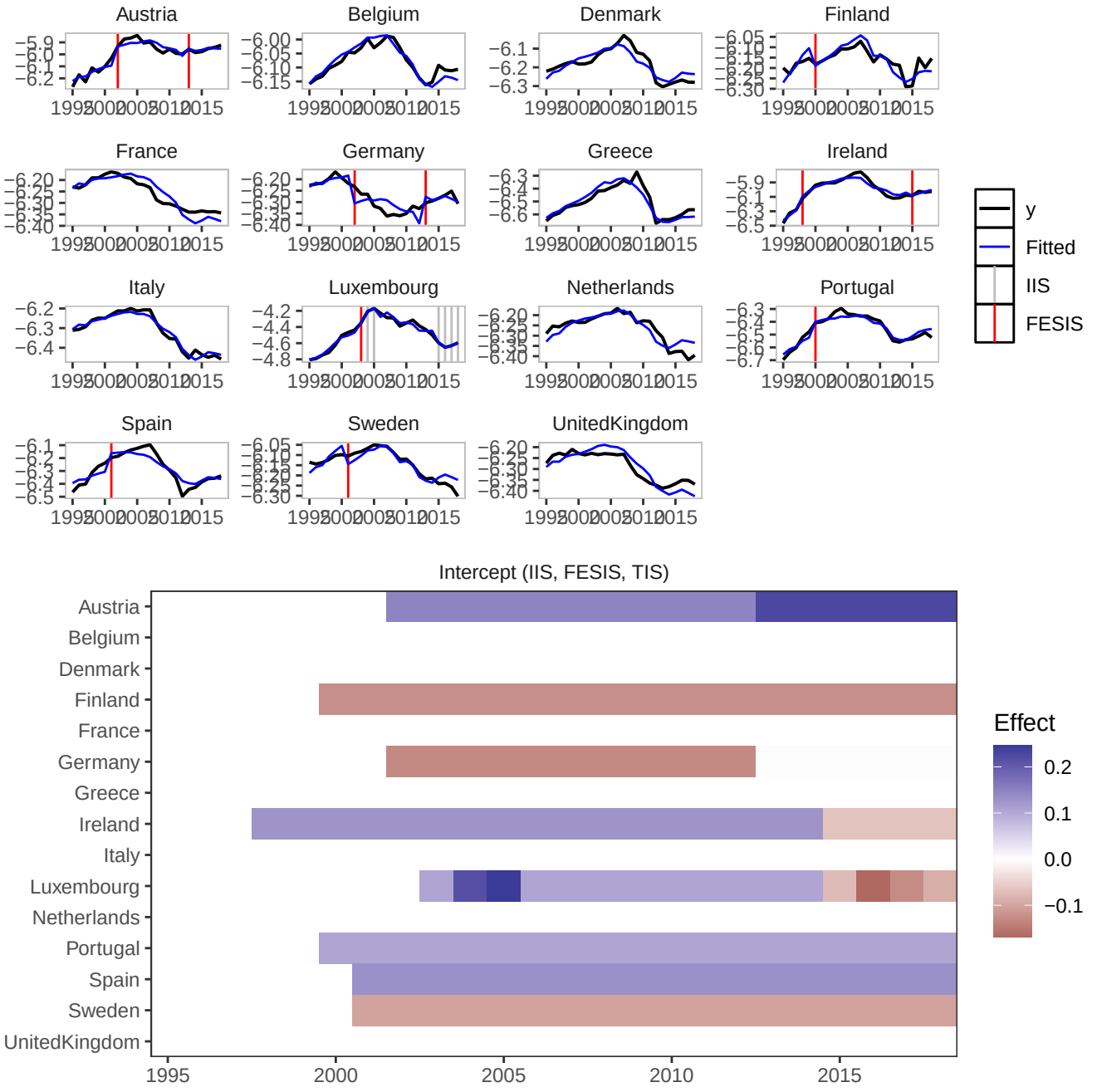
−10


Austria
Belgium
Denmark
Finland
France
Germany
Greece
Ireland
Italy
Luxembourg
Netherlands
Portugal
Spain
Sweden
UnitedKingdom
y
Fitted
IIS
FESIS
Intercept (IIS, FESIS, TIS)
Effect
0.2
0.1
0.0
−0.1
−0.2
1995
2000
2005
2010
2015


Austria
Belgium
Denmark
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France
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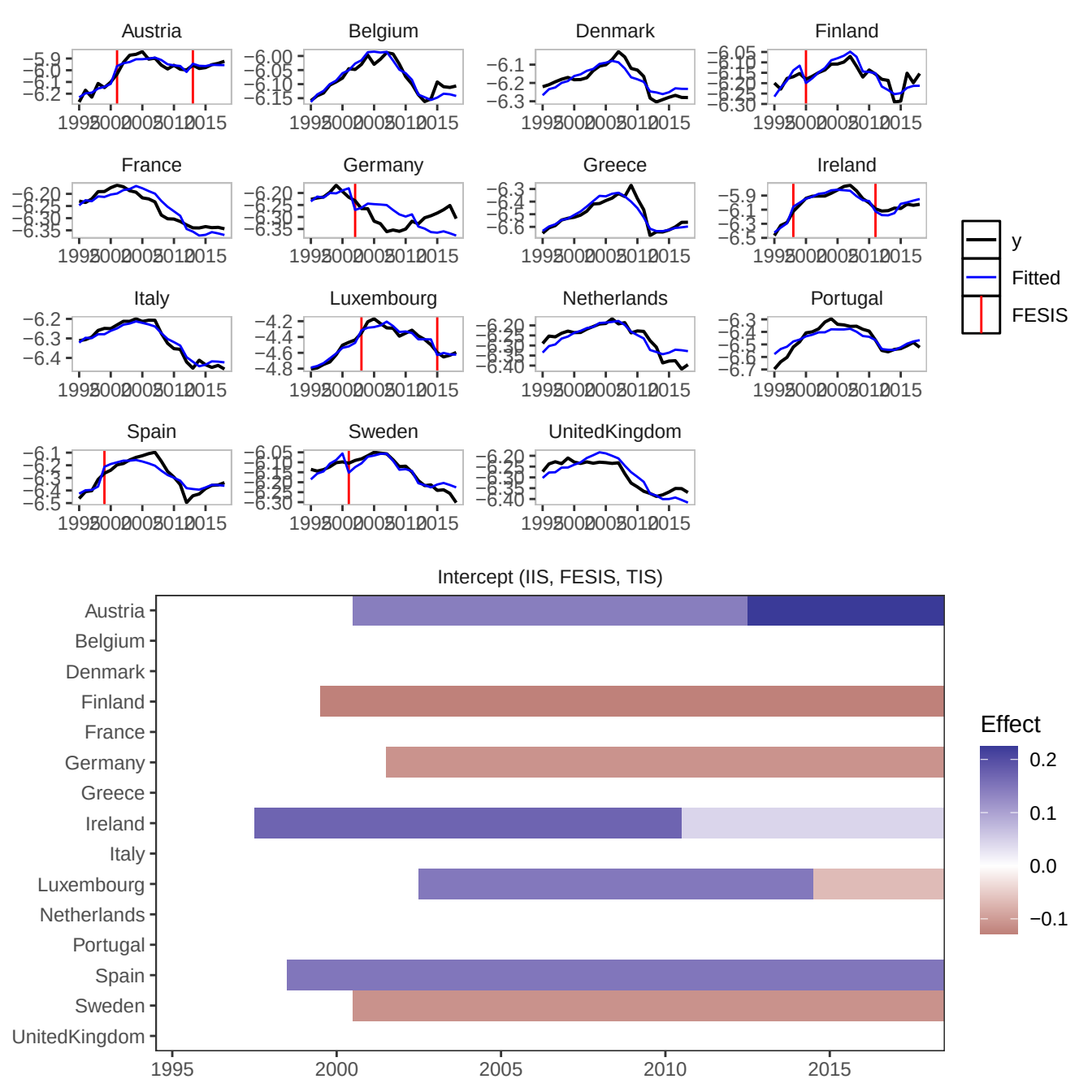
Greece
Ireland
Italy
Luxembourg
Netherlands
Portugal
Spain
Sweden
UnitedKingdom
y
Fitted
IIS
FESIS
Intercept (IIS, FESIS, TIS)
Effect
0.2
0.1
0.0
−0.1
1995
2000
2005
2010
2015


Austria
Belgium
Denmark
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France
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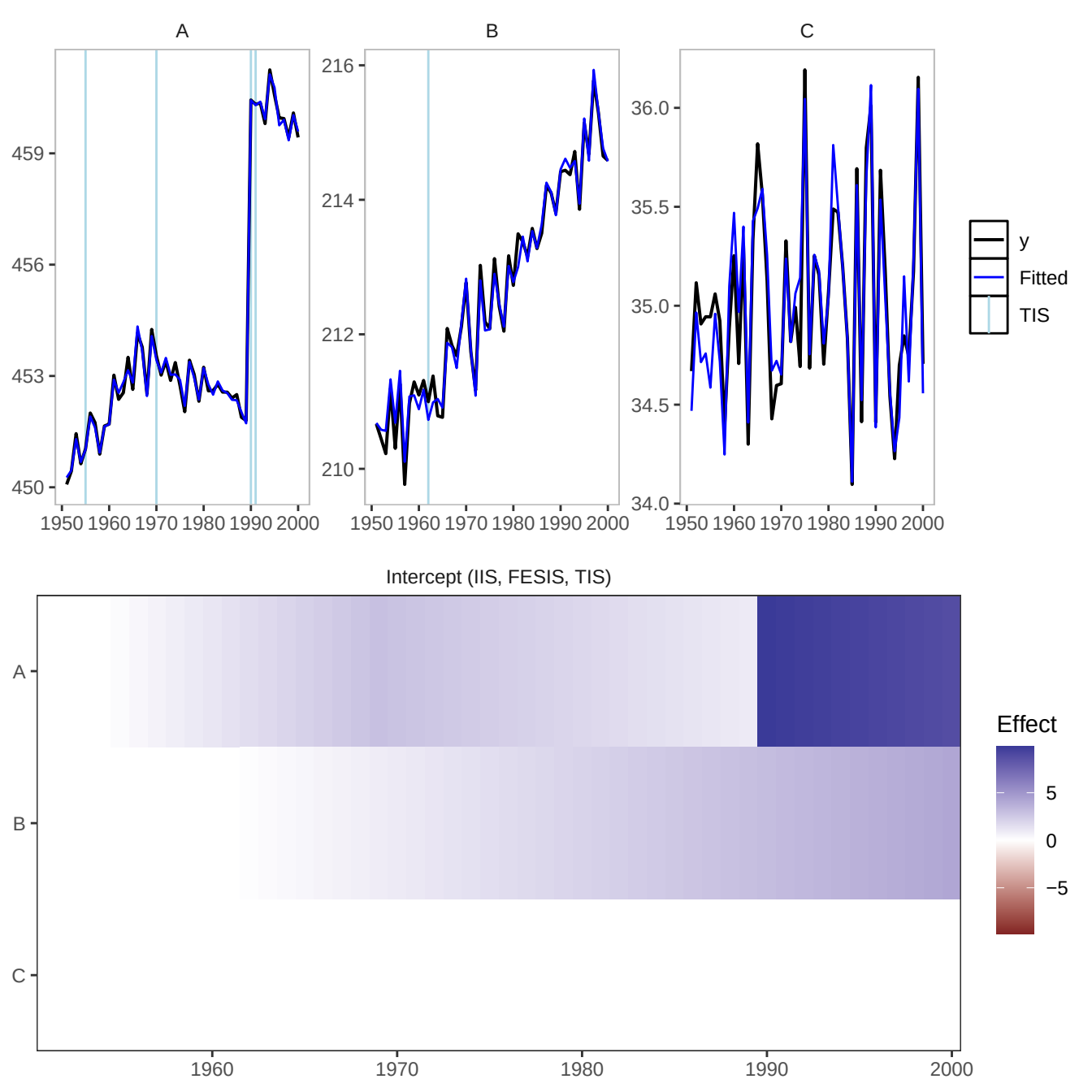
Greece
Ireland
Italy
Luxembourg
Netherlands
Portugal
Spain
Sweden
UnitedKingdom
y
Fitted
FESIS
Intercept (IIS, FESIS, TIS)
Effect
0.2
0.1
0.0
−0.1
1995
2000
2005
2010
2015


A
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210
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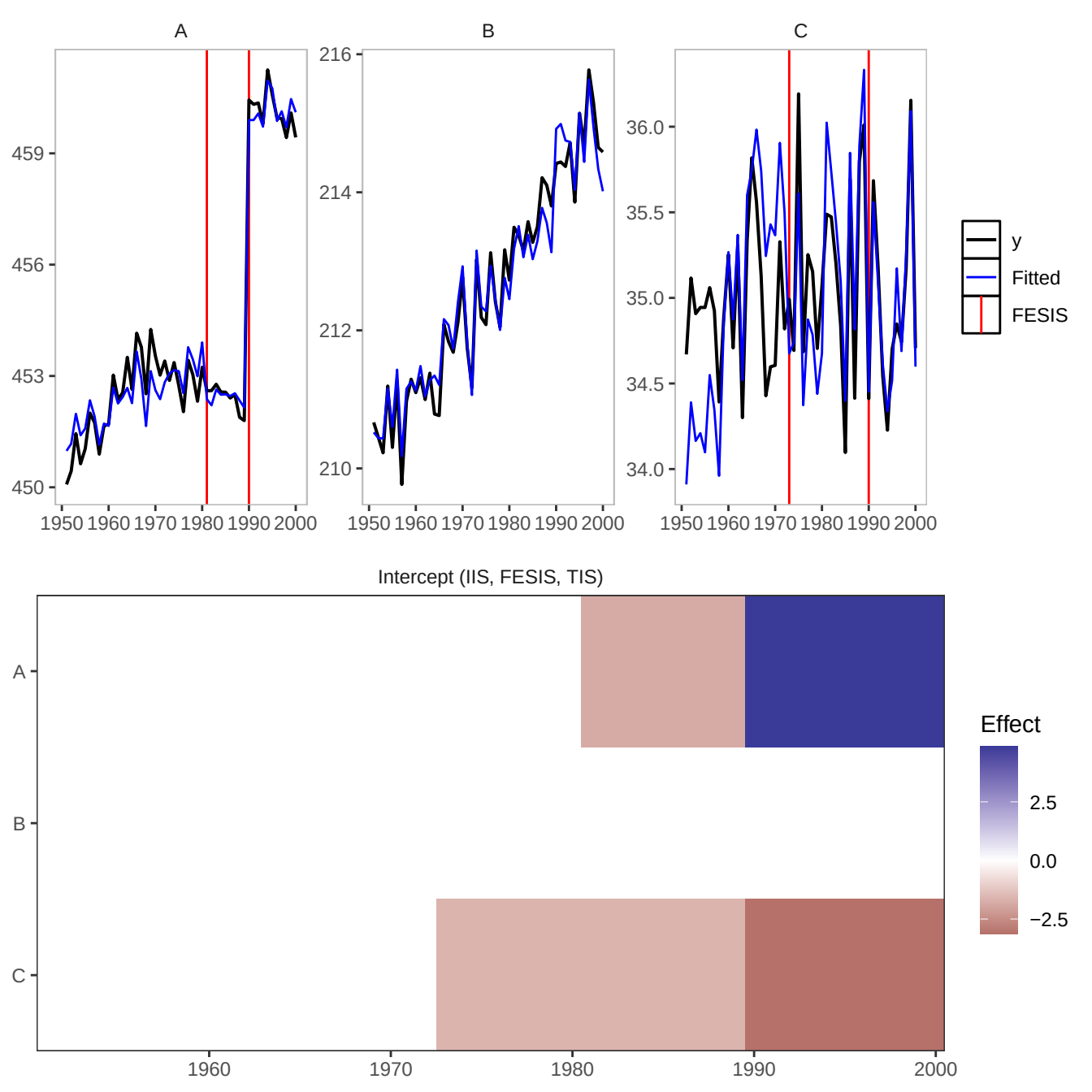
35.0
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
TIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
5
0
−5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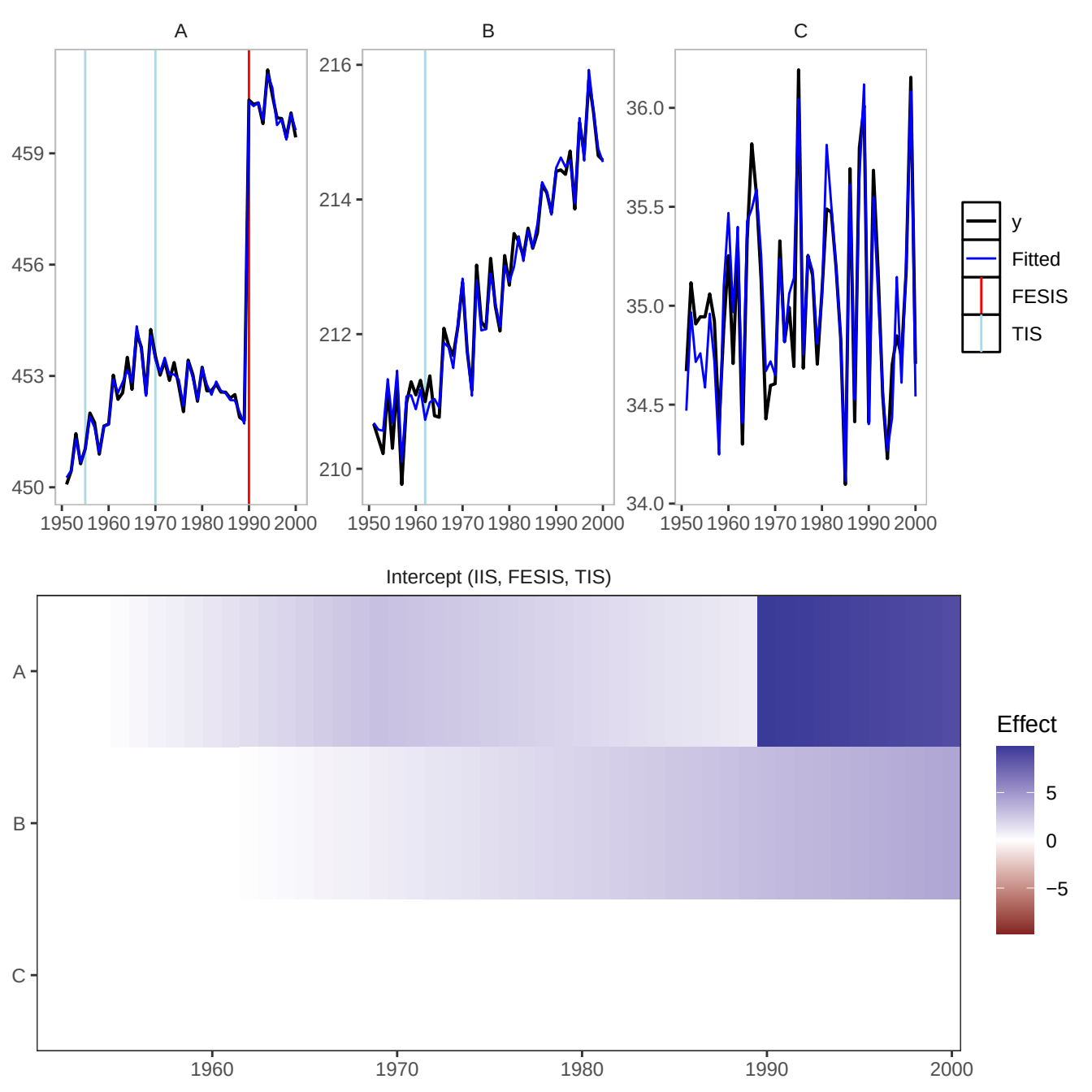
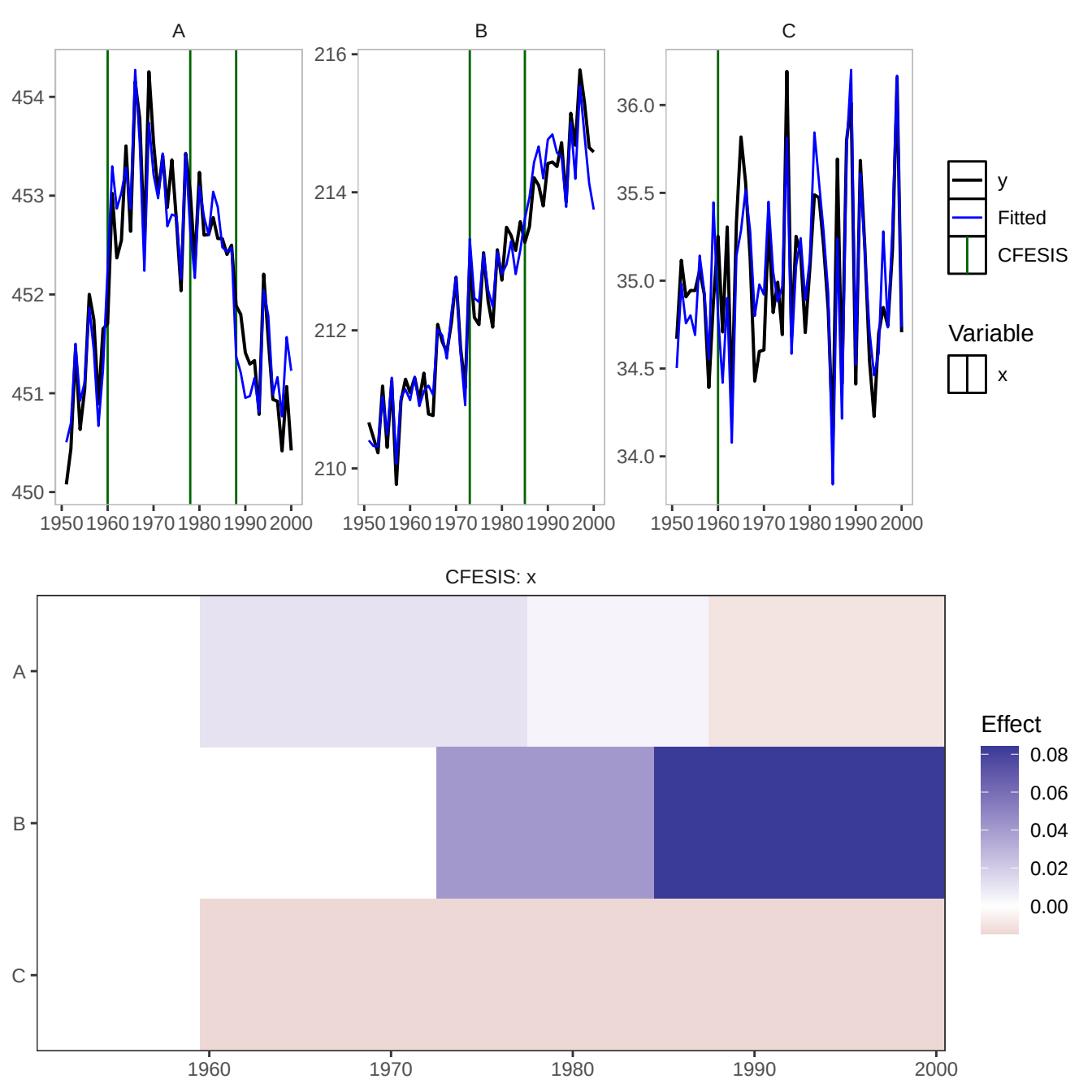
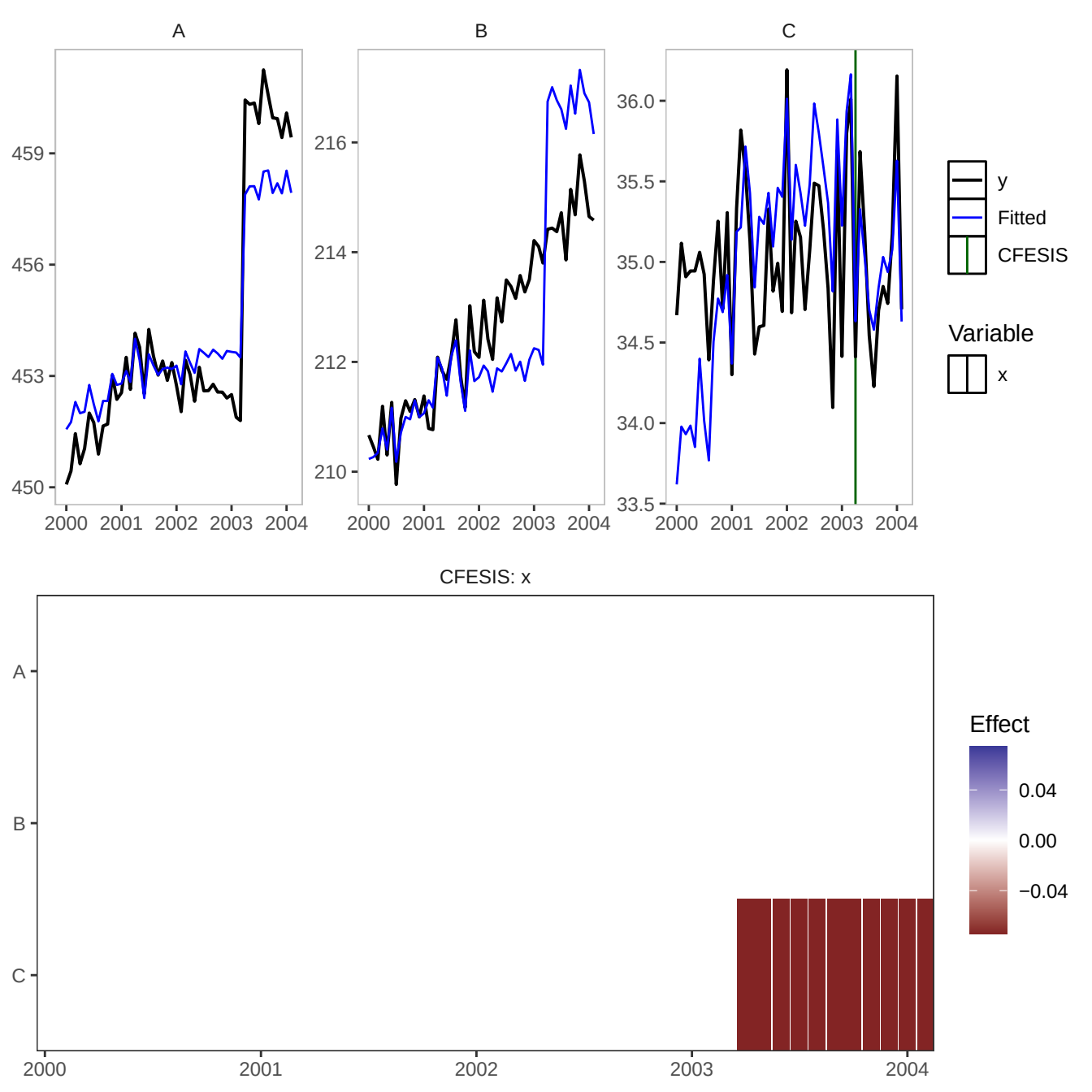
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
FESIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
2.5
0.0
−2.5


A
B
C
459
456
453
450
216
214
212
210
36.0
35.5
35.0
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
FESIS
TIS
Intercept (IIS, FESIS, TIS)
A
B
C
1960
1970
1980
1990
2000
Effect
5
0
−5


A
B
C
454
453
452
451
450
216
214
212
210
36.0
35.5
35.0
34.5
34.0
1950 1960 1970 1980 1990 2000
y
Fitted
CFESIS
Variable
x
CFESIS: x
A
B
C
1960
1970
1980
1990
2000
Effect
0.08
0.06
0.04
0.02
0.00


A
B
C
459
456
453
450
216
214
212
210
36.0
35.5
35.0
34.5
34.0
33.5
2000
2001
2002
2003
2004
y
Fitted
CFESIS
Variable
x
CFESIS: x
A
B
C
Effect
0.04
0.00
−0.04