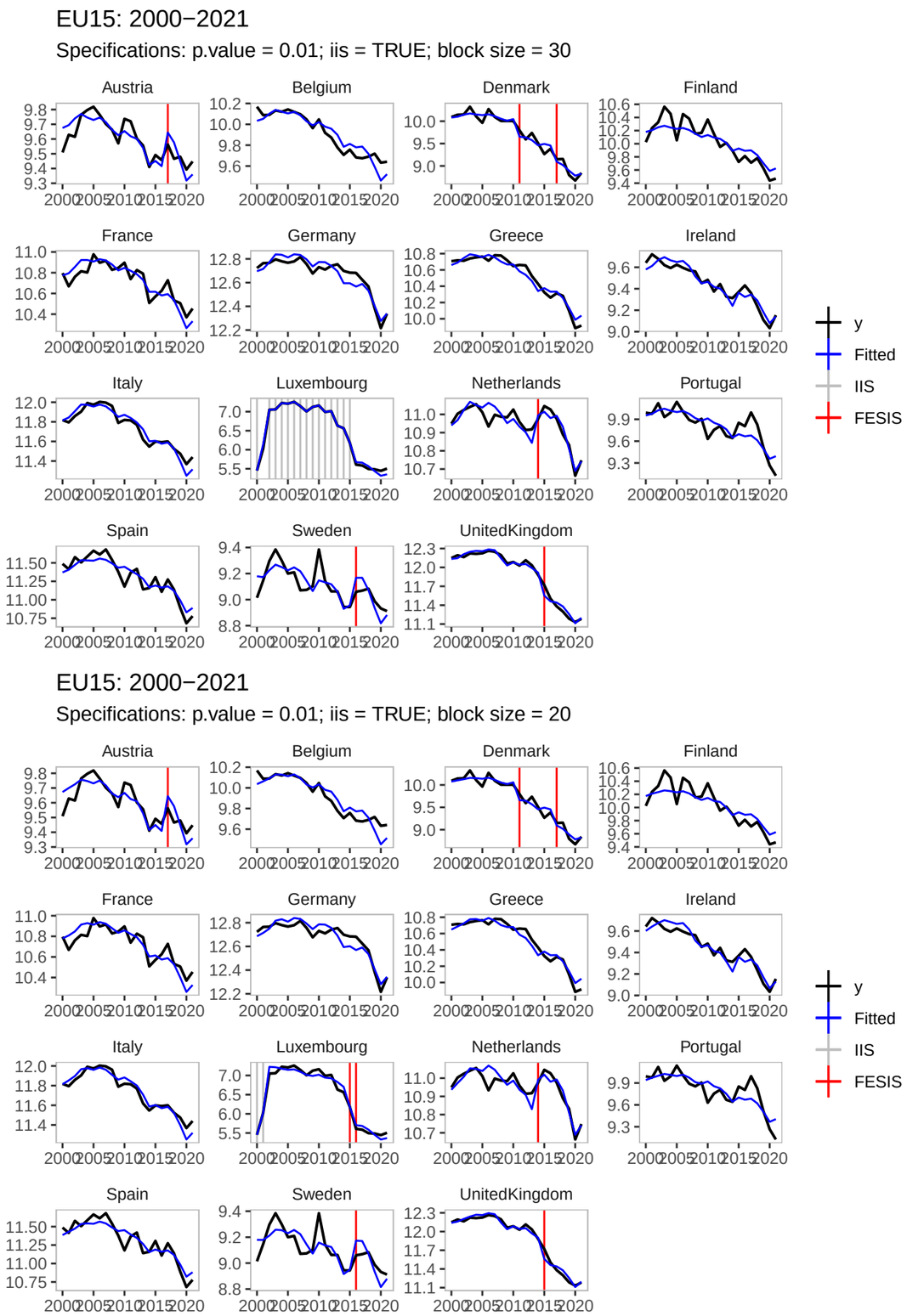
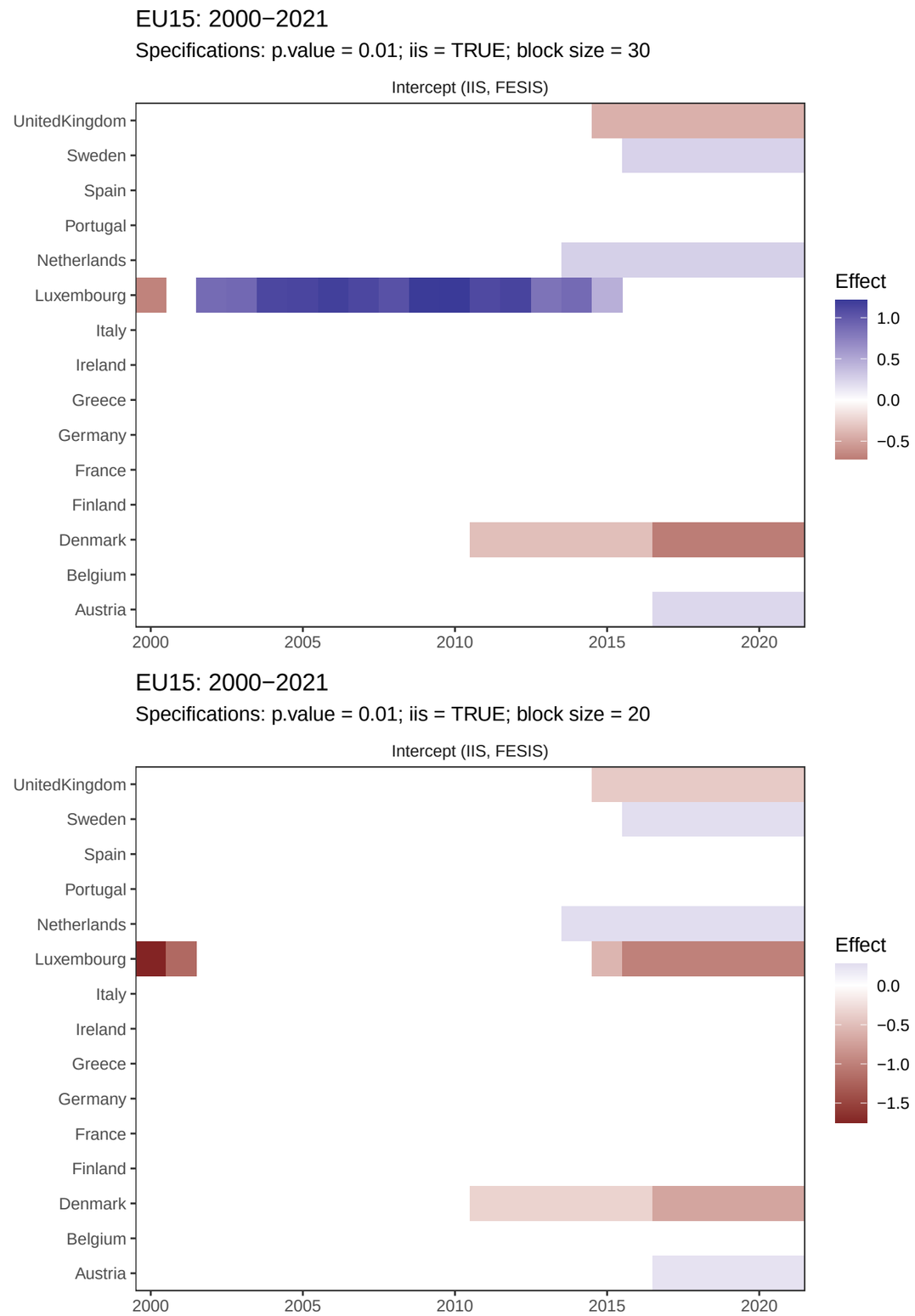
Results_Overview

Progress Update:

- 96 models run (so far):
  - 4 x country groups (EU15, EU31, OECD, BRICS)
  - 2 x T: 1990-2021; 2000-2021
  - 3 x p-values: 0.001, 0.01, 0.05
  - 2 x Block Size: (20, 30)
  - 2 x IIS: (TRUE, FALSE)
  - 1 x data source: EU JRC EDGAR v7.0
- Issues encountered:
  - We encountered a few countries that were poorly fit
  - Certain countries are modeled with many consecutive impulses (when impulse indicator saturation is performed) ie. Norway, Luxembourg, Costa Rica
- Questions for the group:
  - How best to proceed (ie. cutting down some specification options (as listed above))?

EU15: 2000-2021





EU15: 2000−2021
Specifications: p.value = 0.01; iis = TRUE; block size = 20

EU15: 2000−2021
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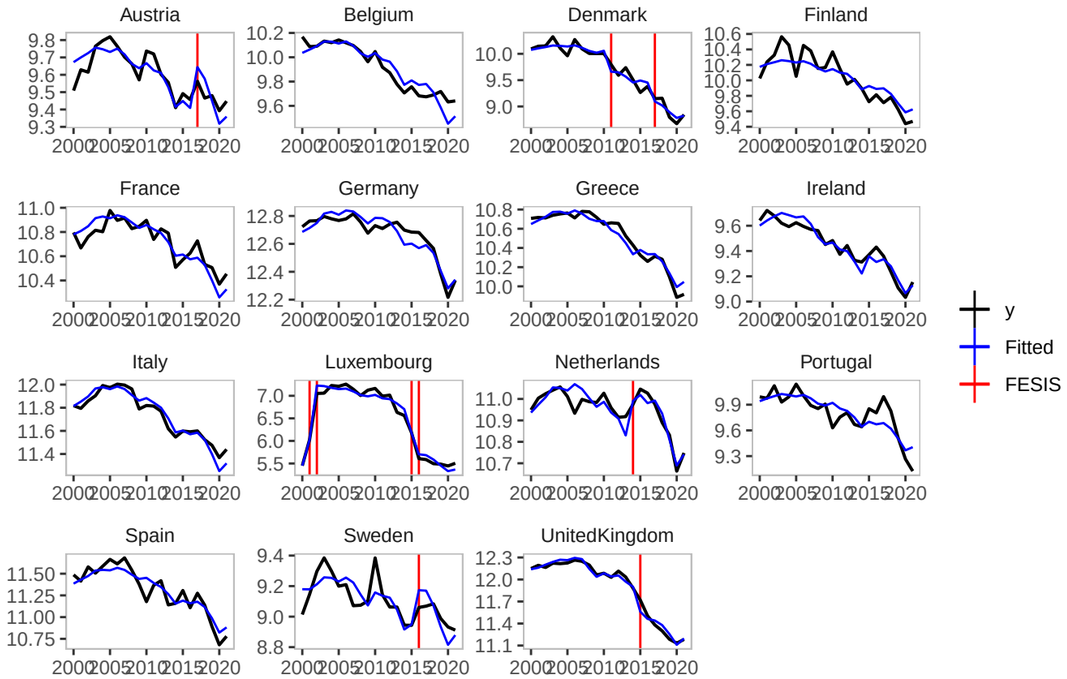
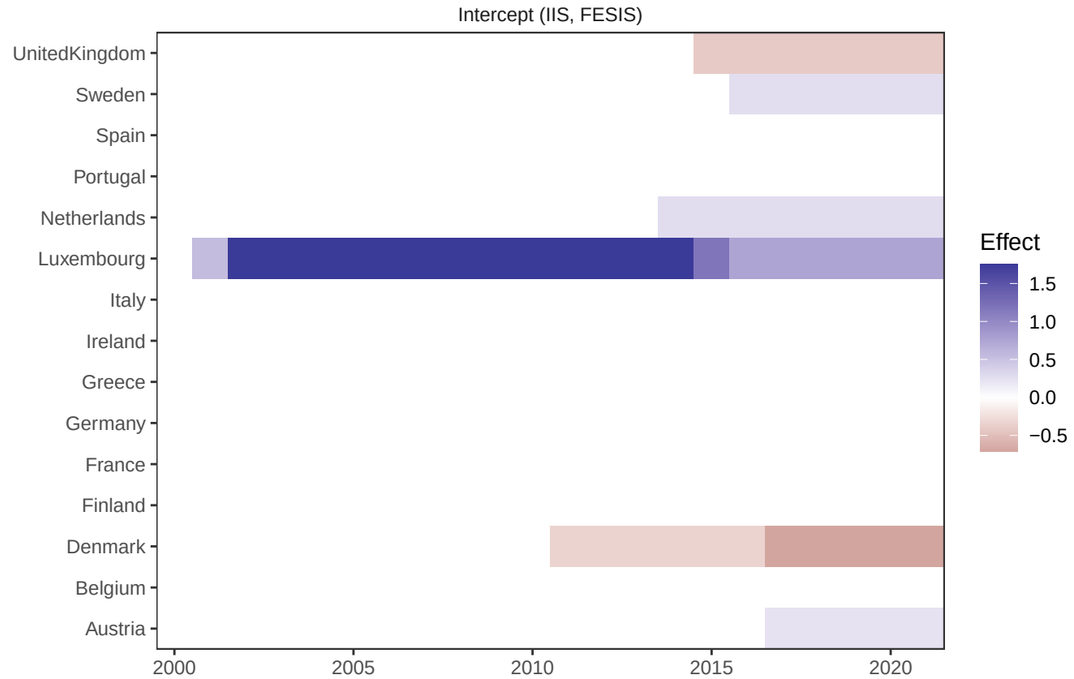
EU15: 2000−2021

Specifications: p.value = 0.01; iis = FALSE; block size = 30



EU15: 2000−2021

Specifications: p.value = 0.01; iis = FALSE; block size = 30



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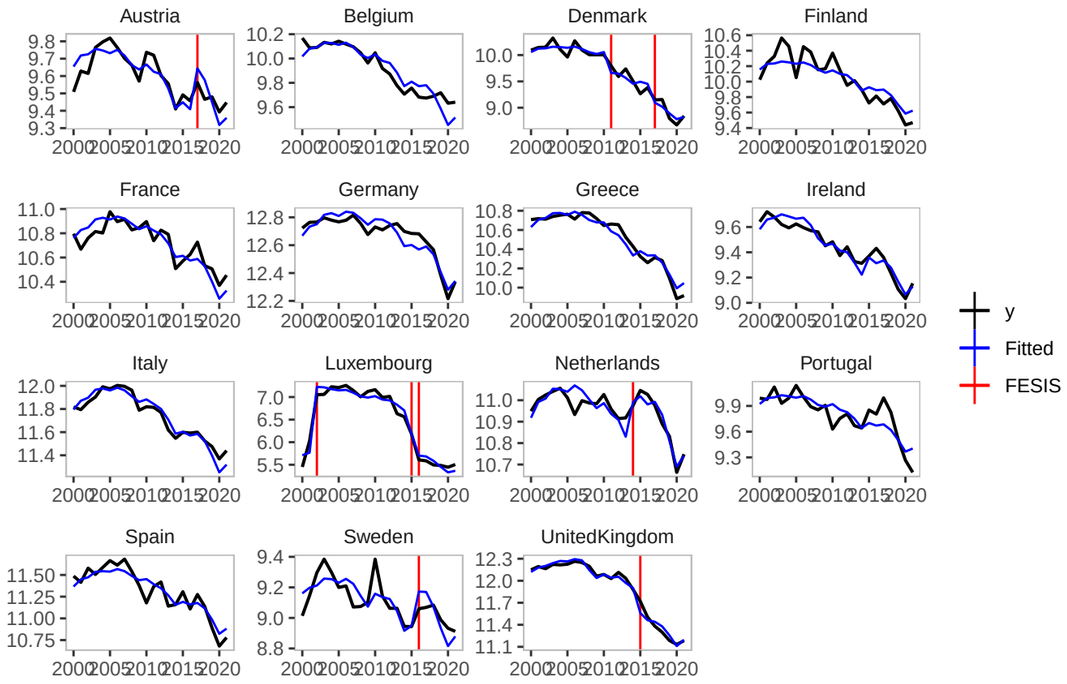

EU15: 2000−2021

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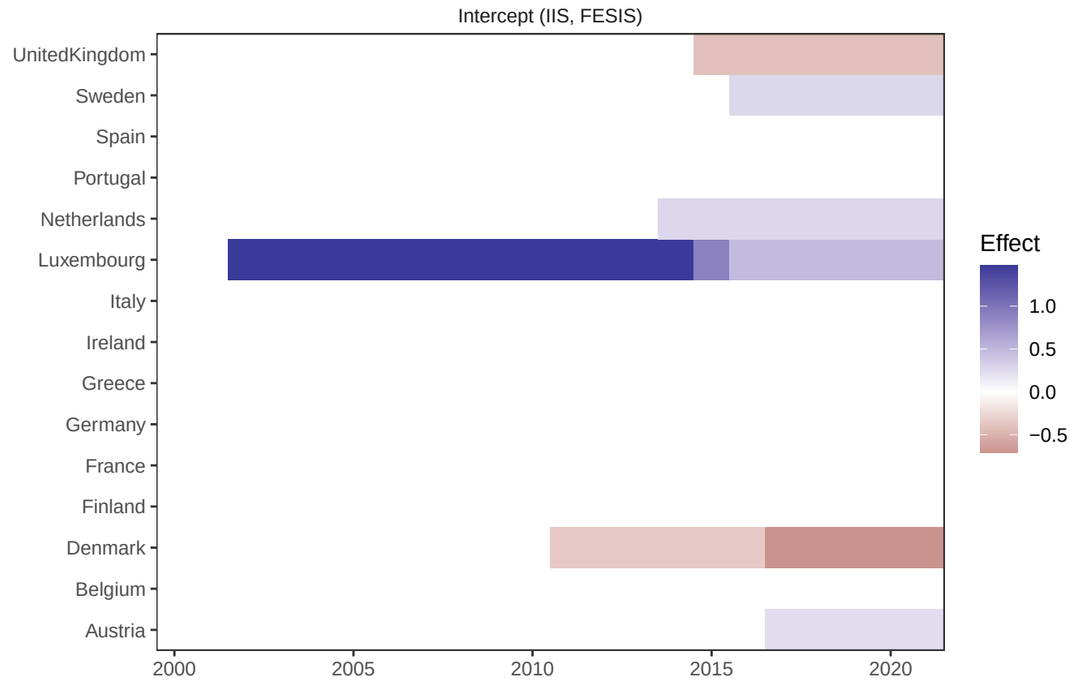
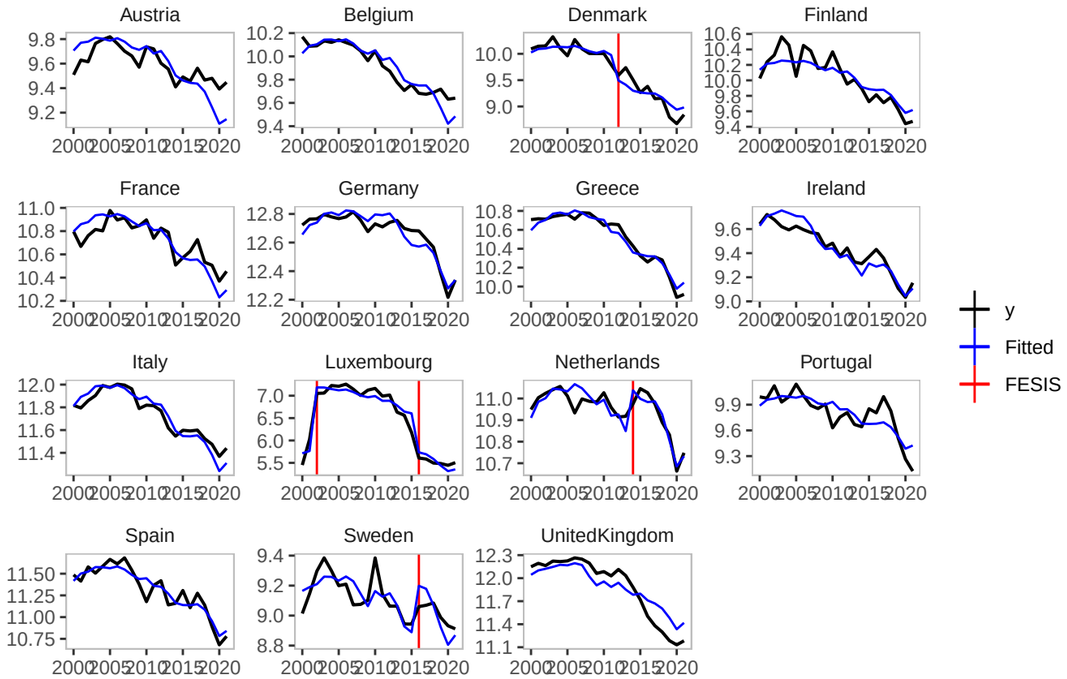


EU15: 2000−2021

Specifications: p.value = 0.001; iis = TRUE; block size = 30



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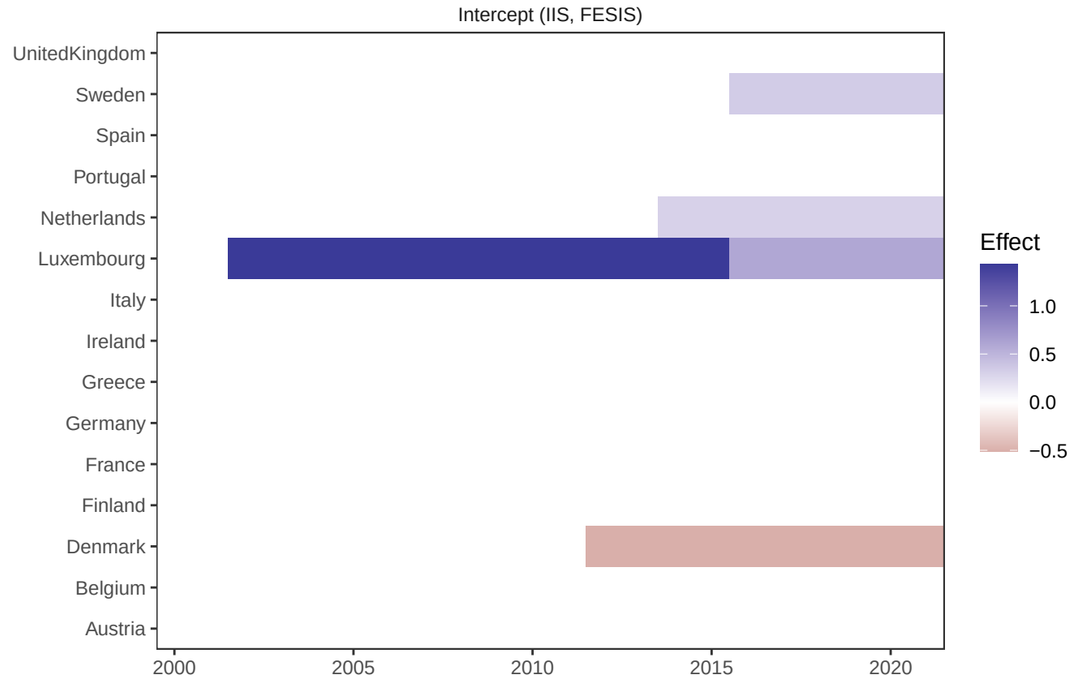

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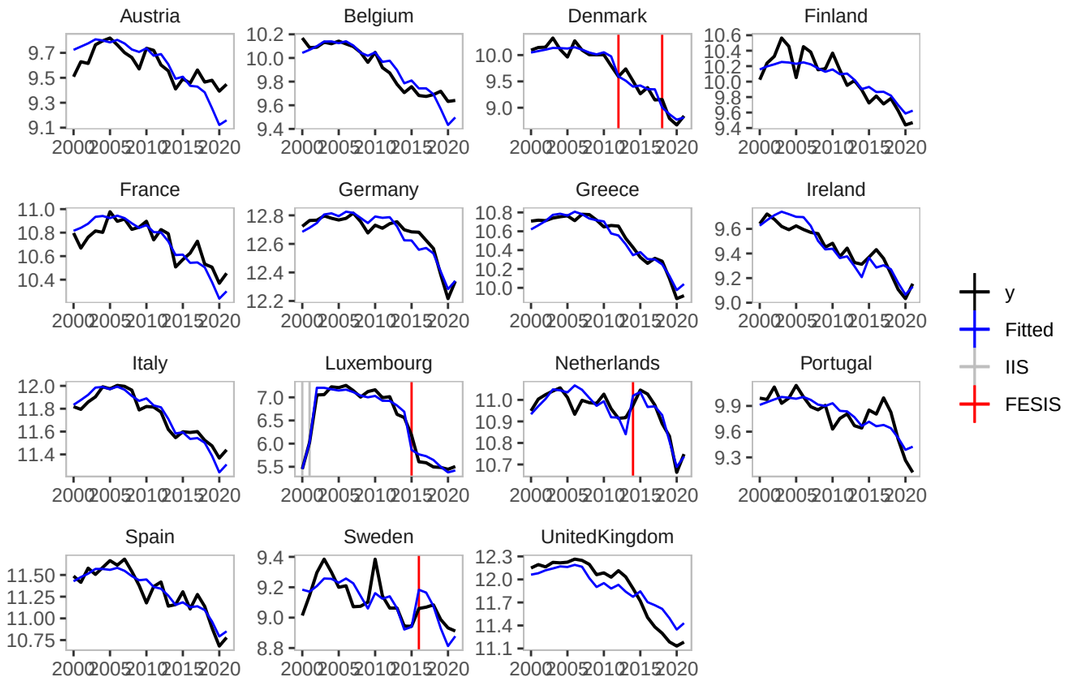

EU15: 2000−2021

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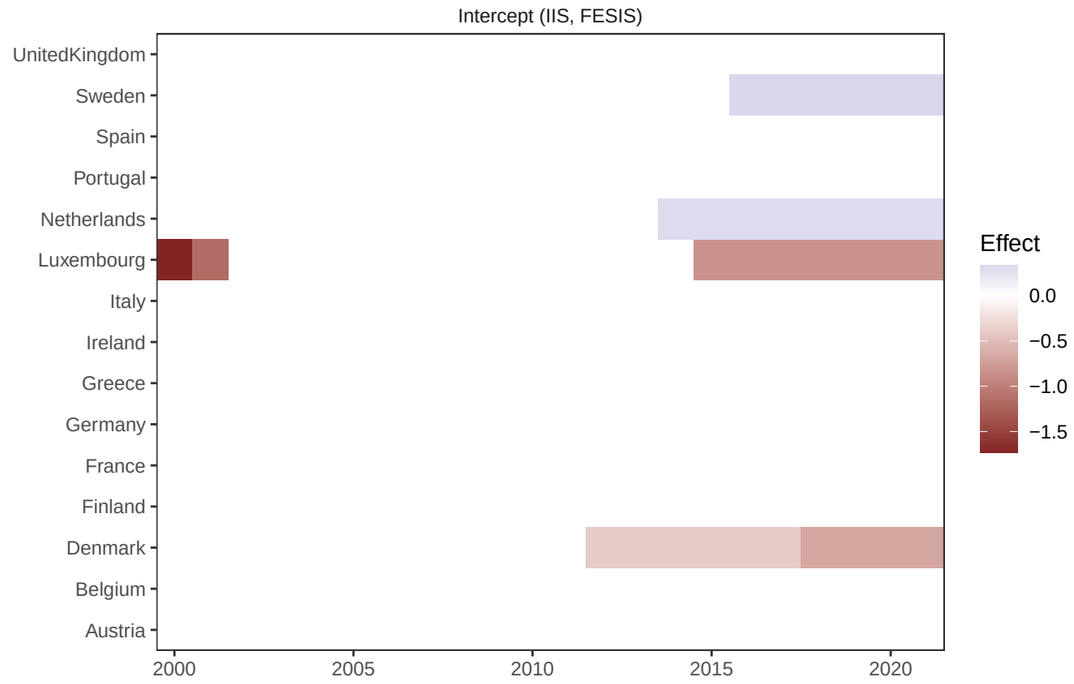

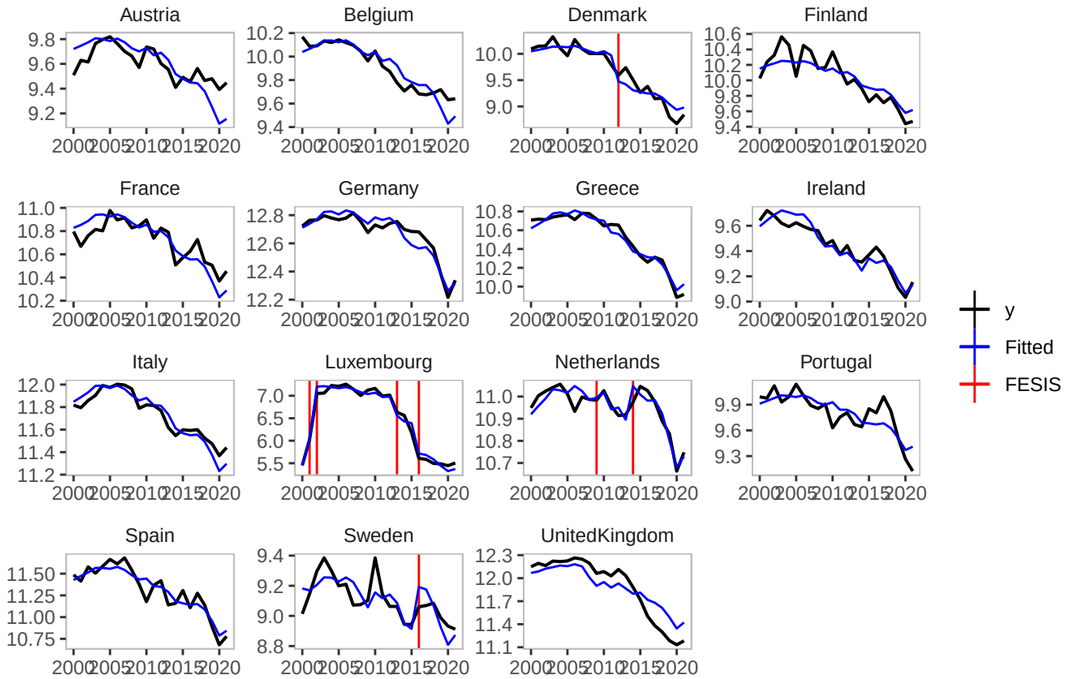
EU15: 2000−2021
Specifications: p.value = 0.001; iis = FALSE; block size = 30
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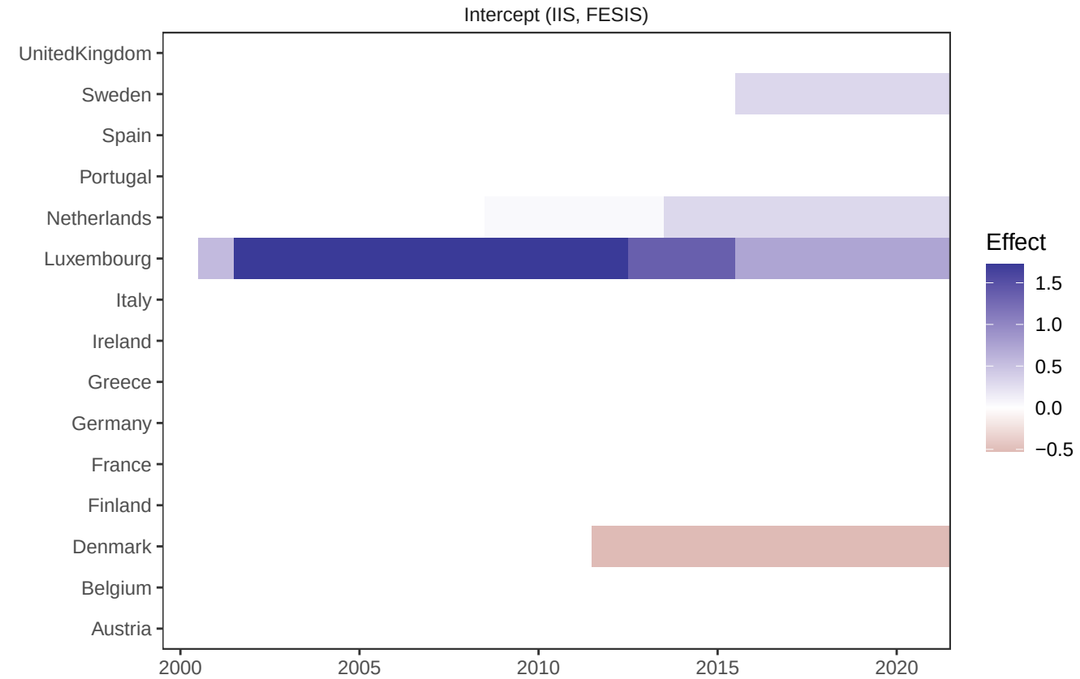
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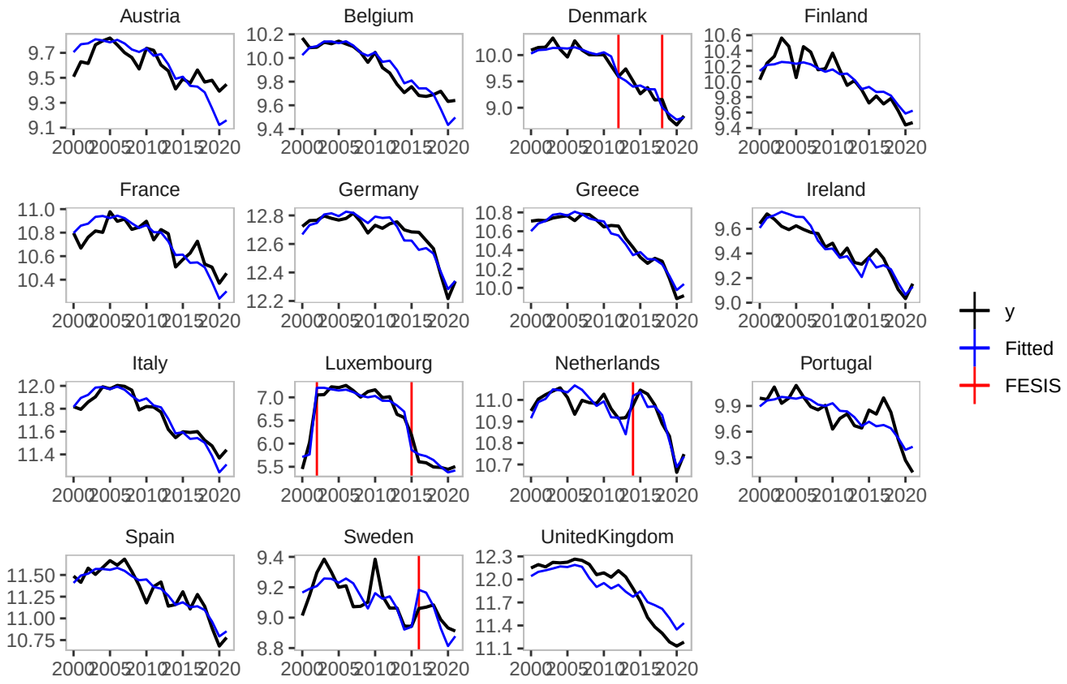
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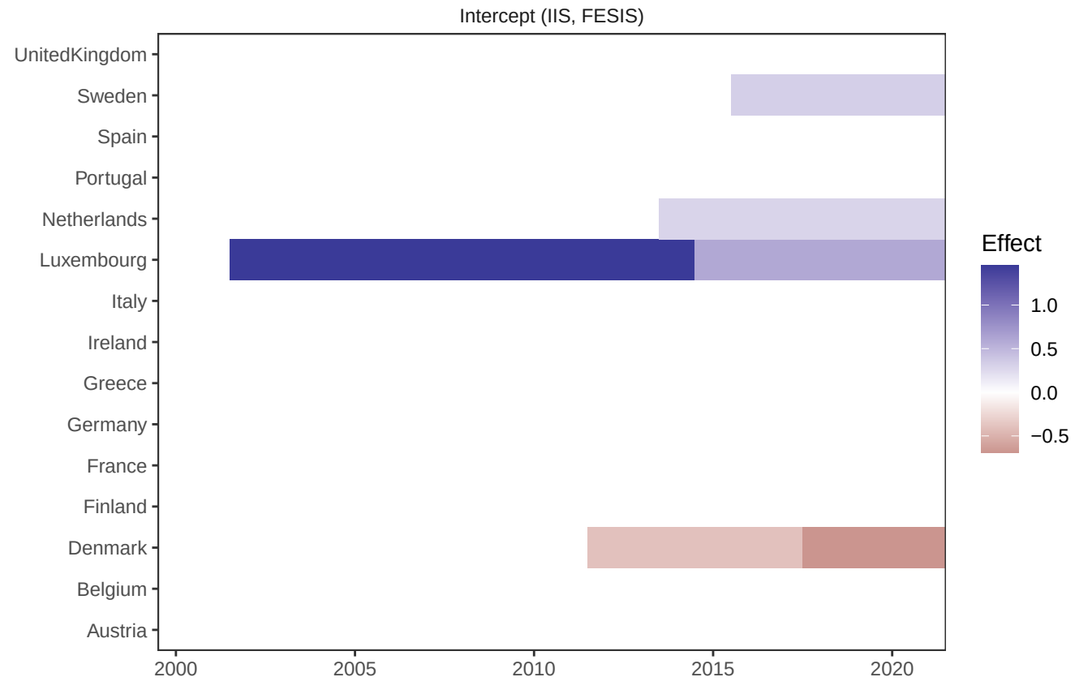
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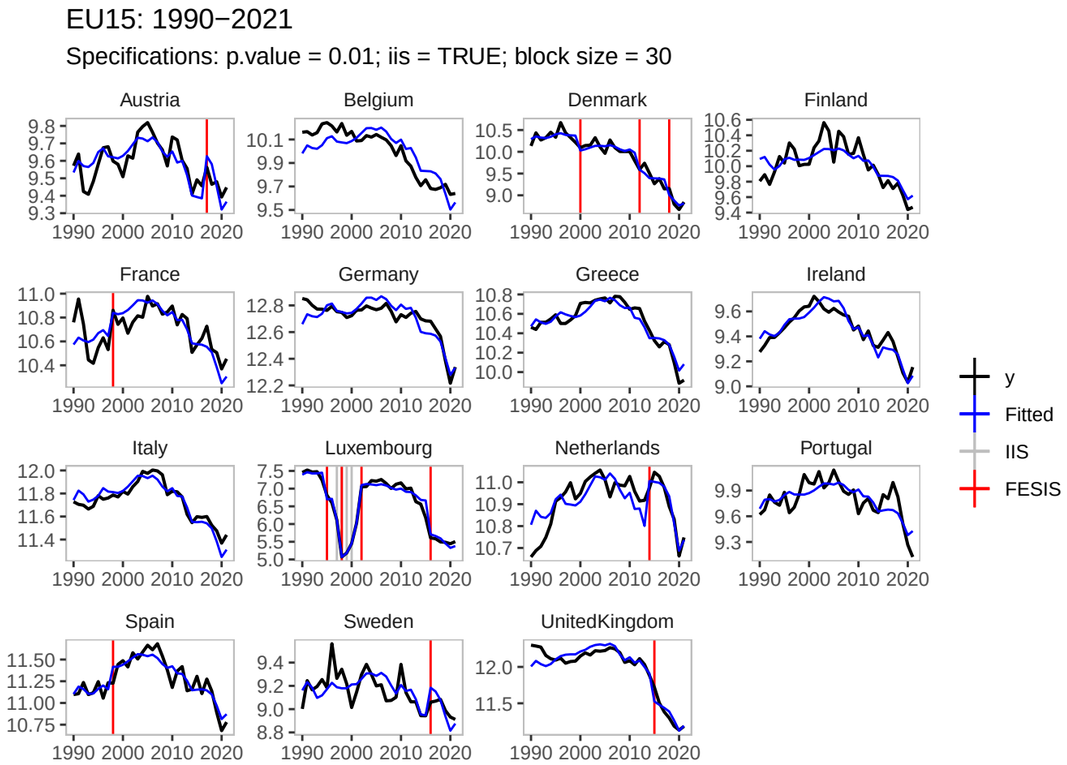
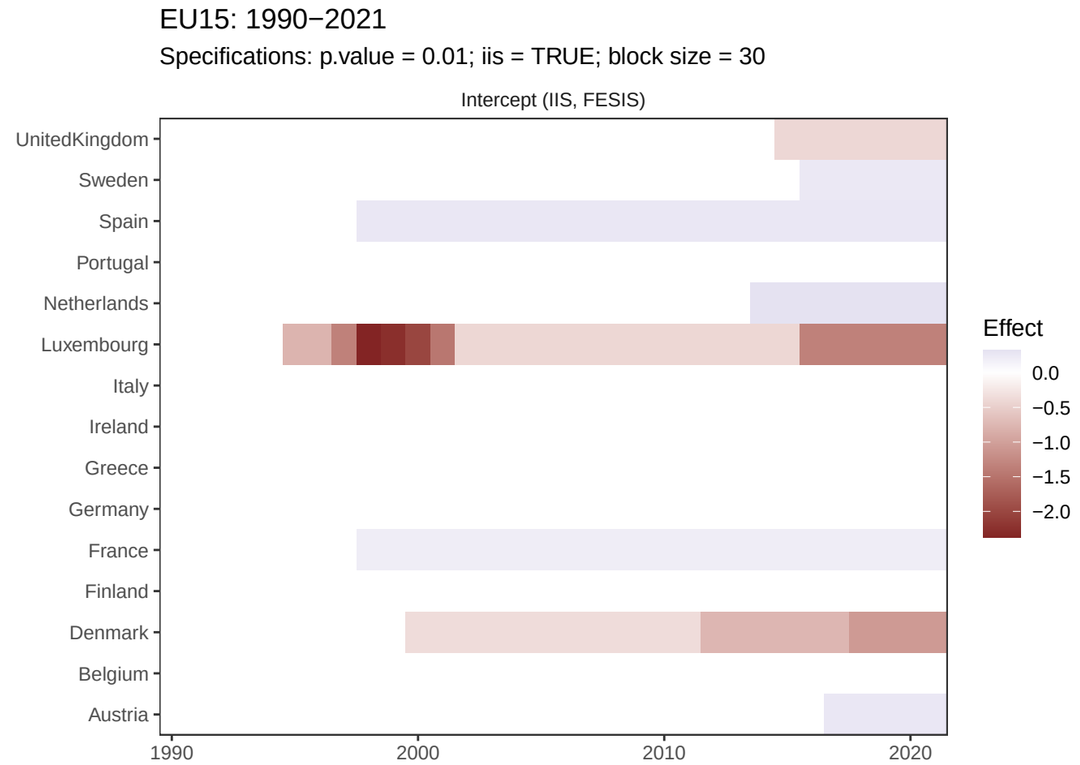
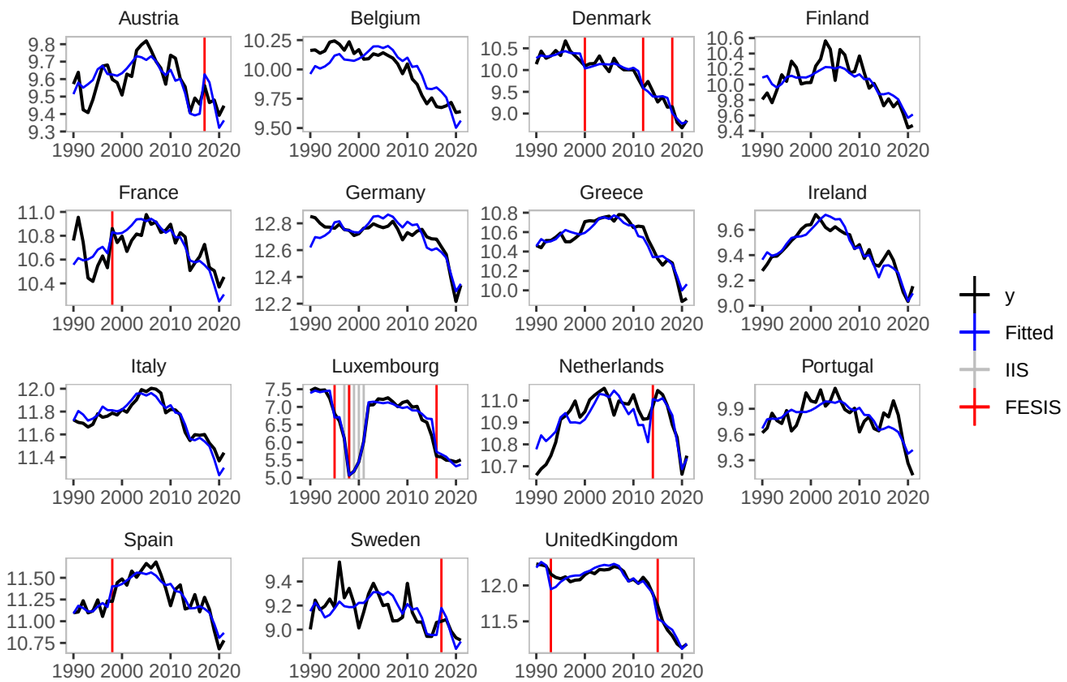
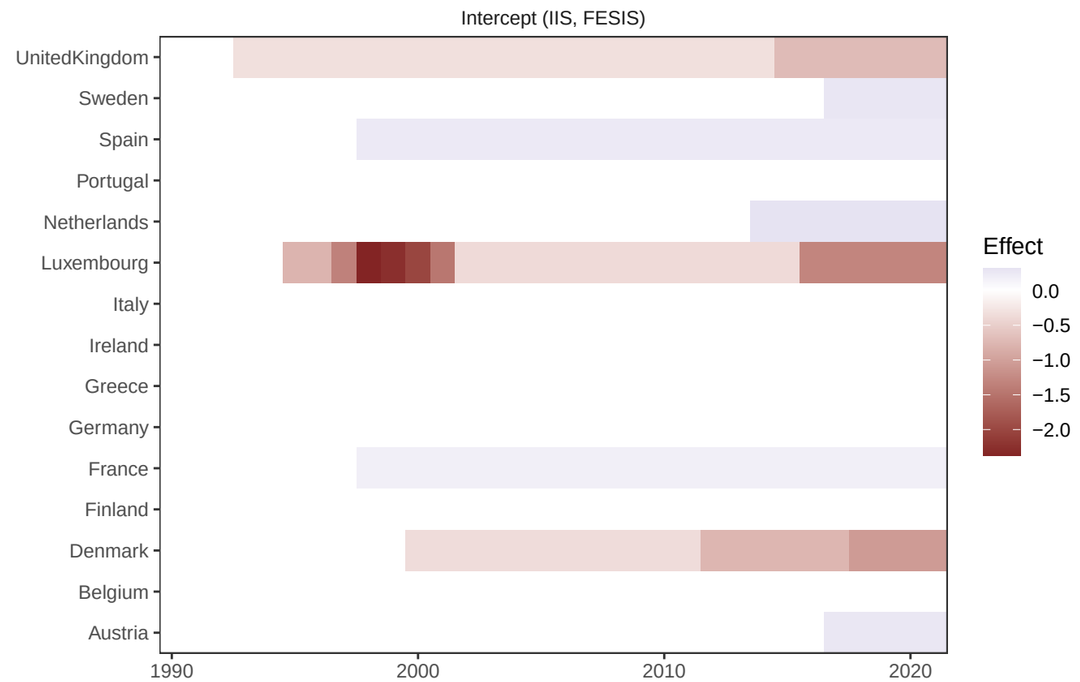
EU15: 1990-2021









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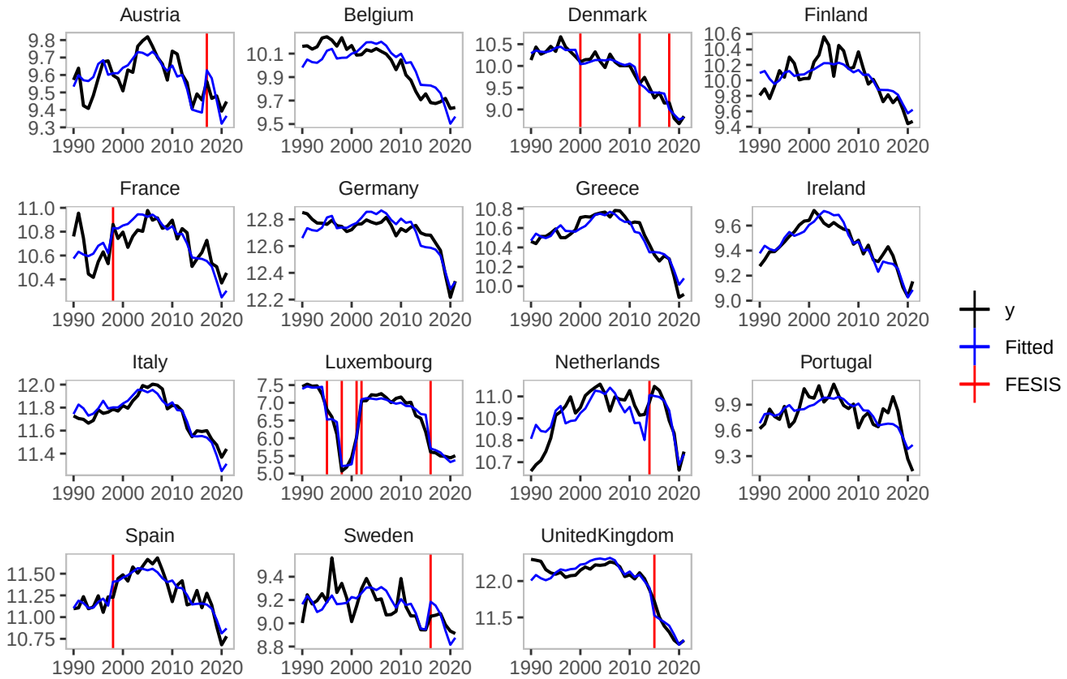

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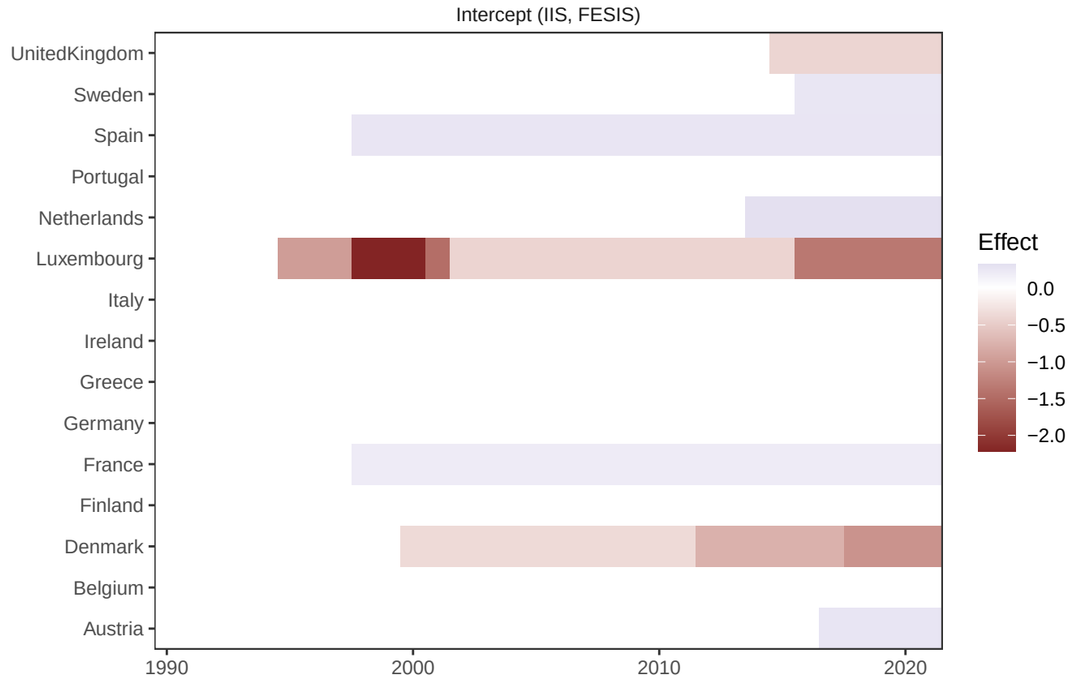

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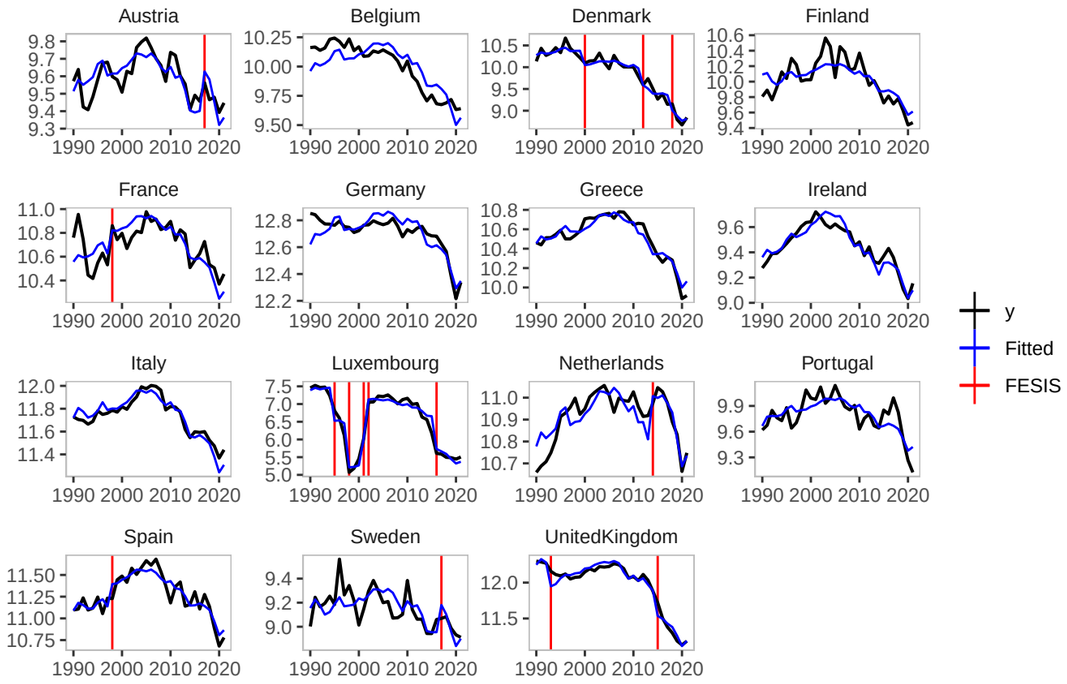

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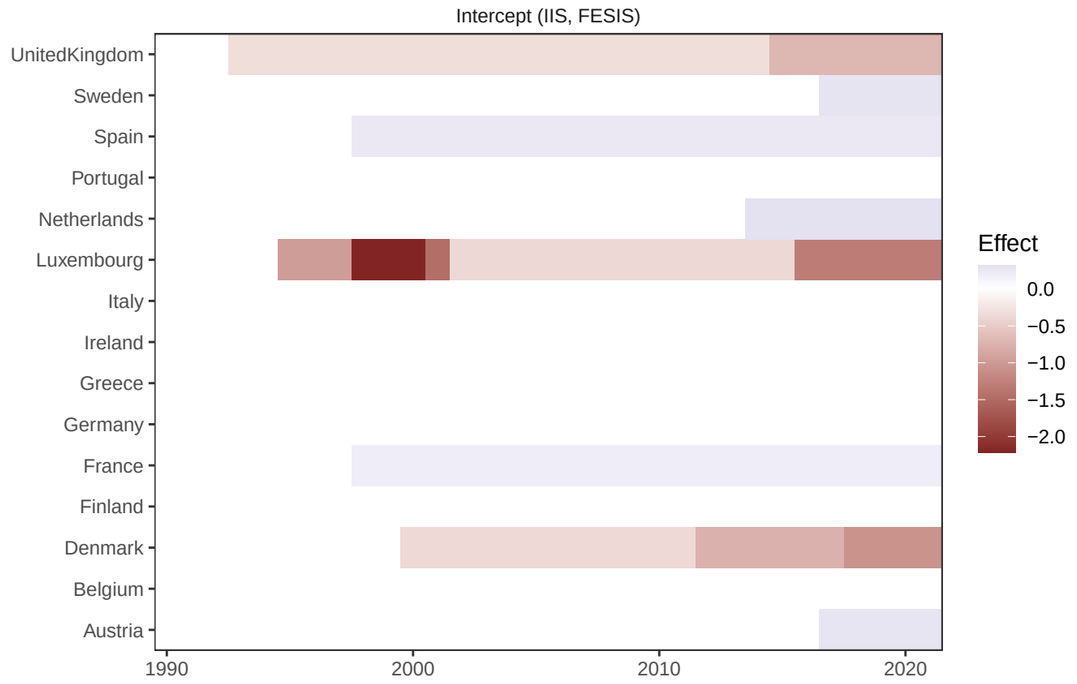

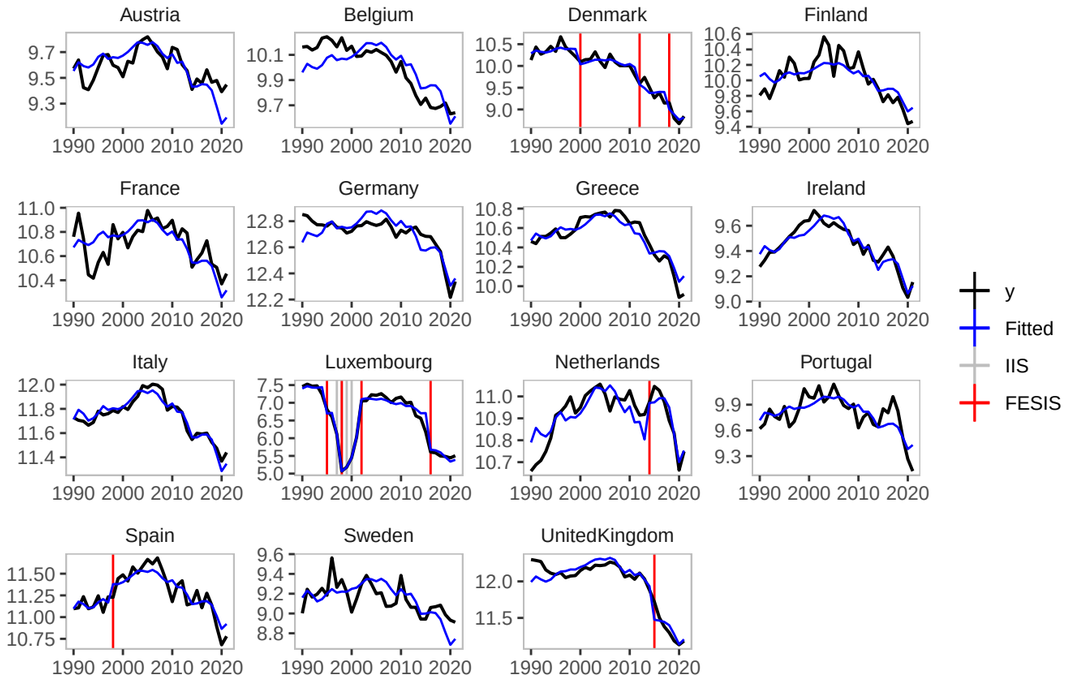
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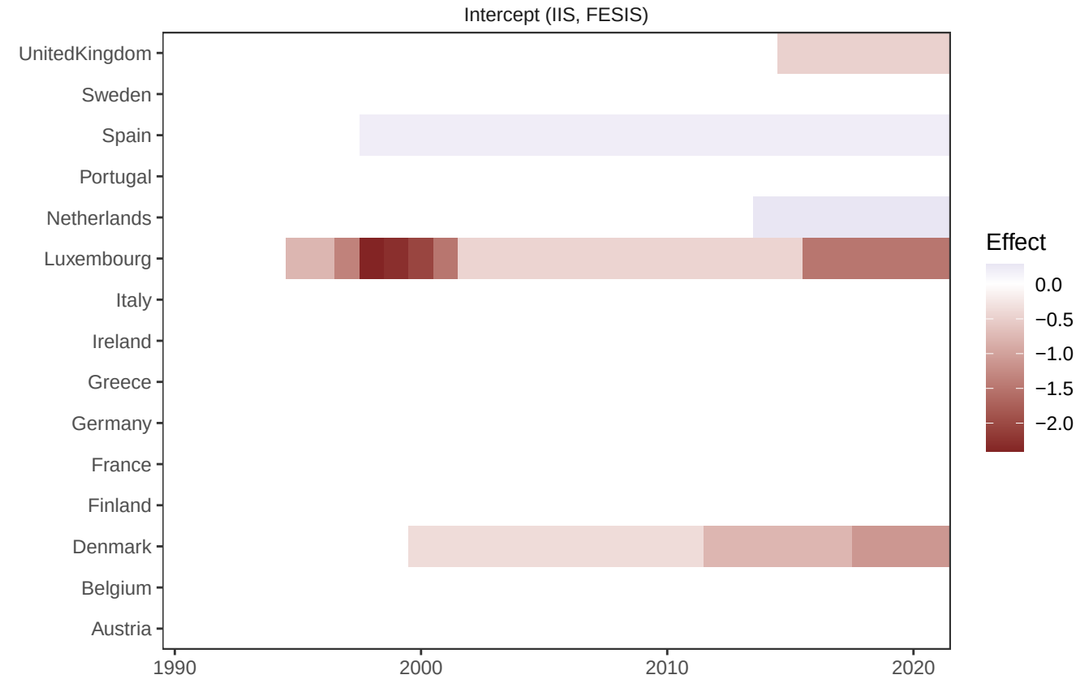
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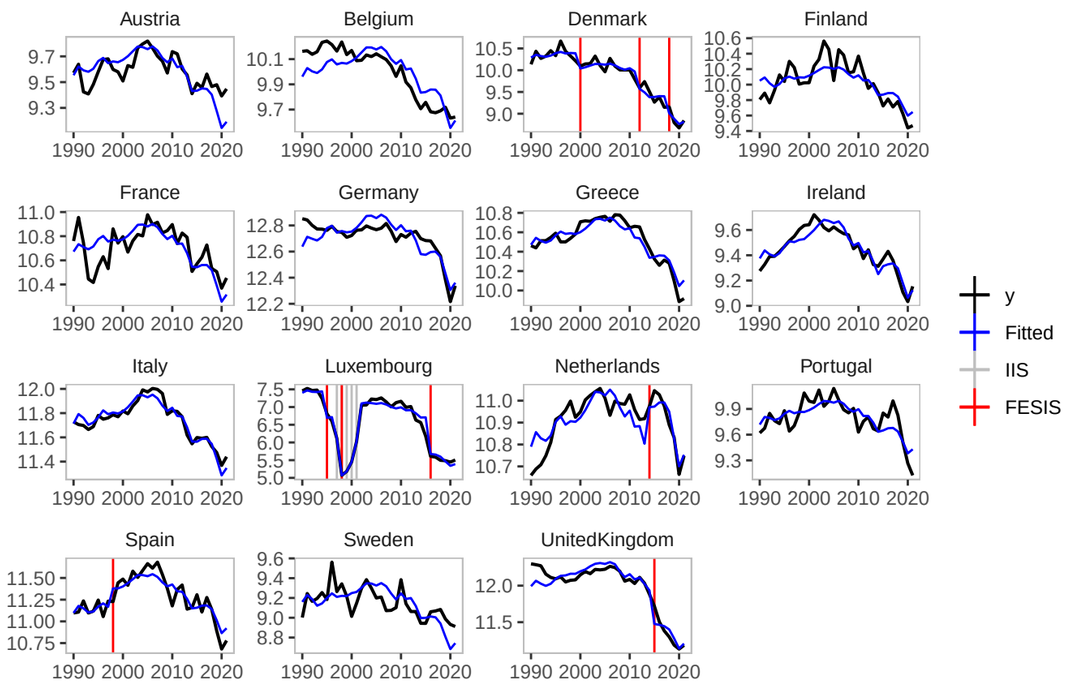
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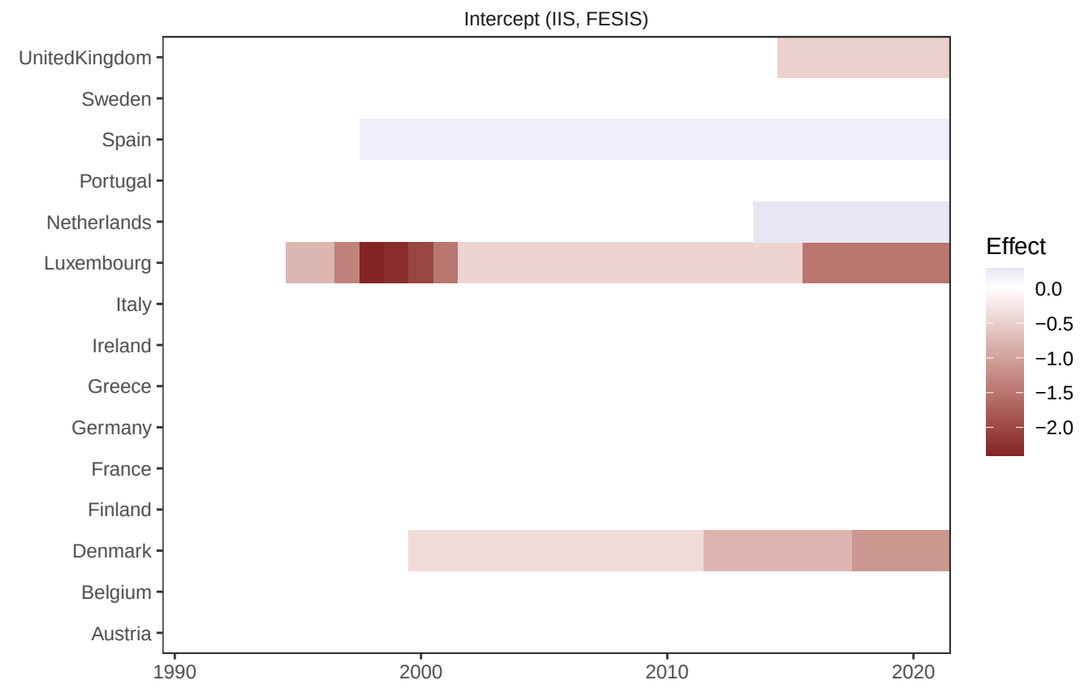
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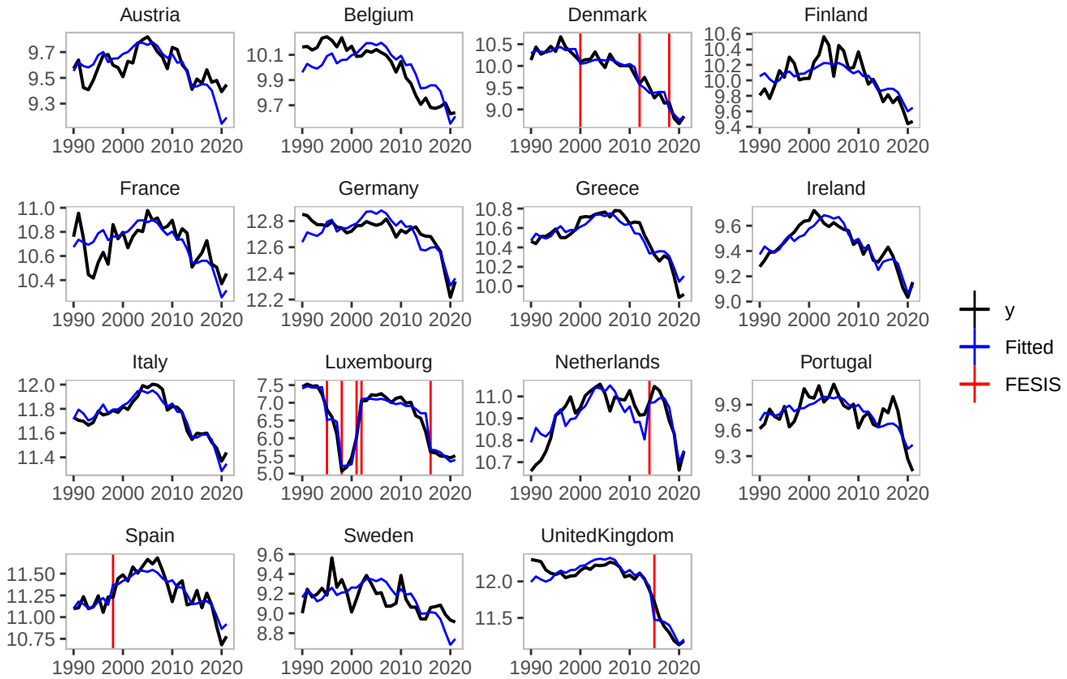

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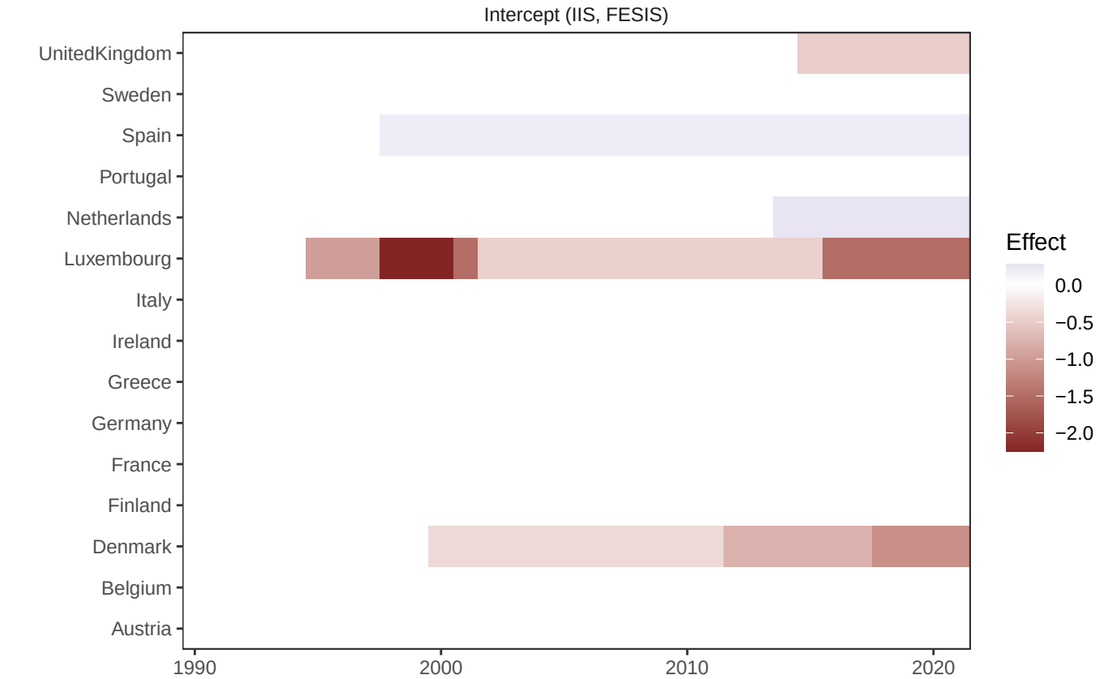

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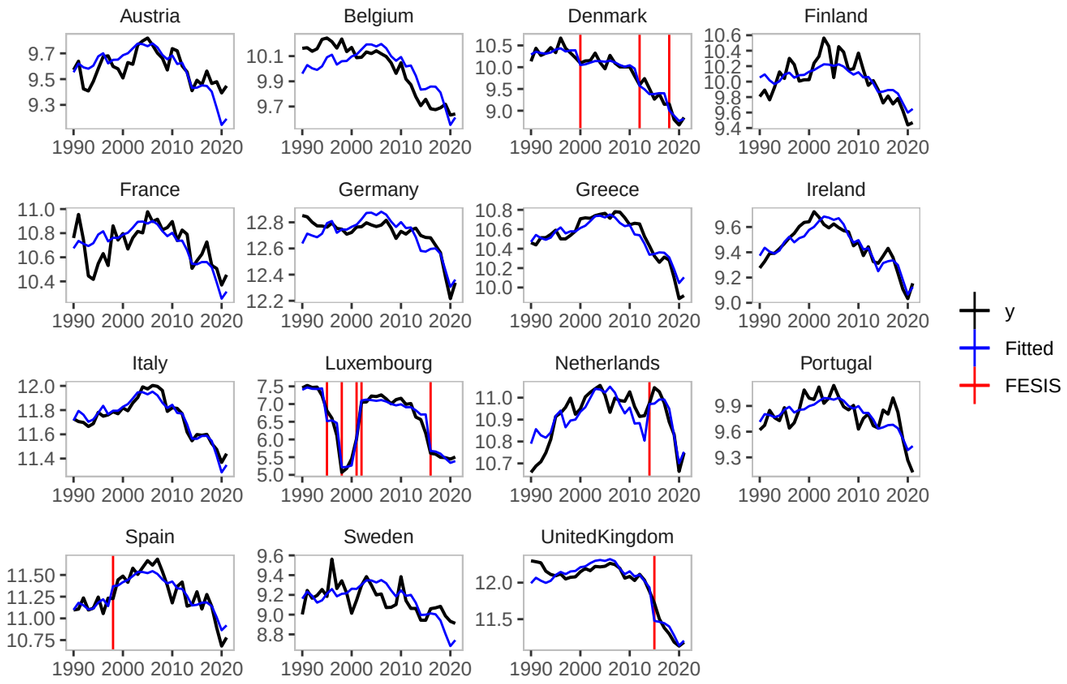

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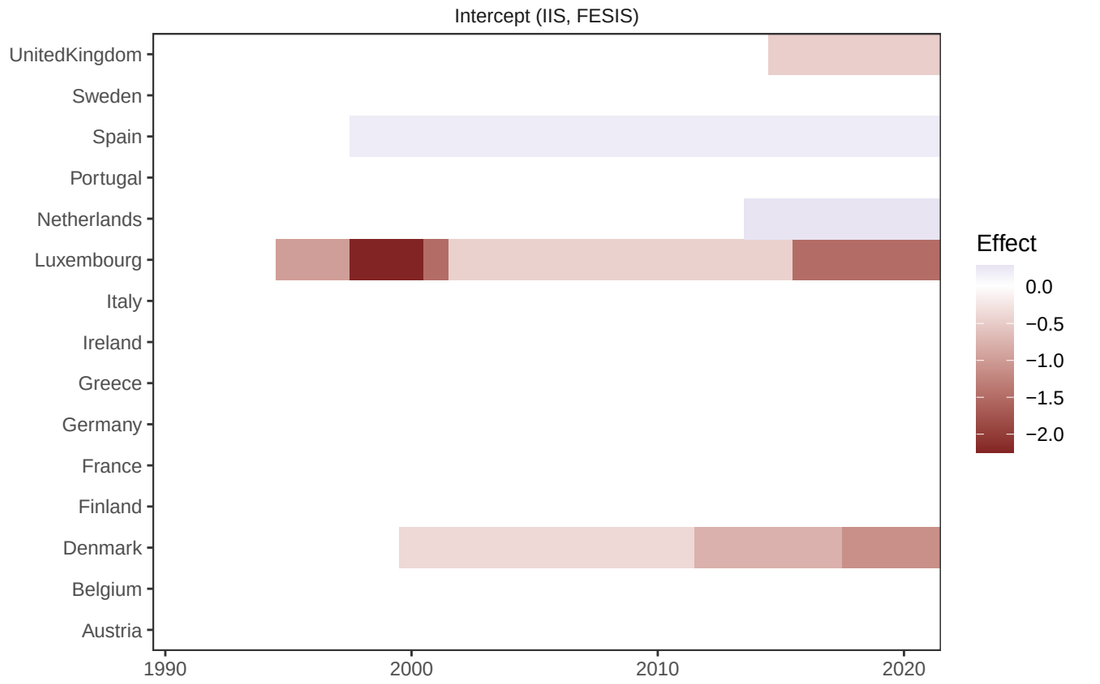

EU31: 2000-2021

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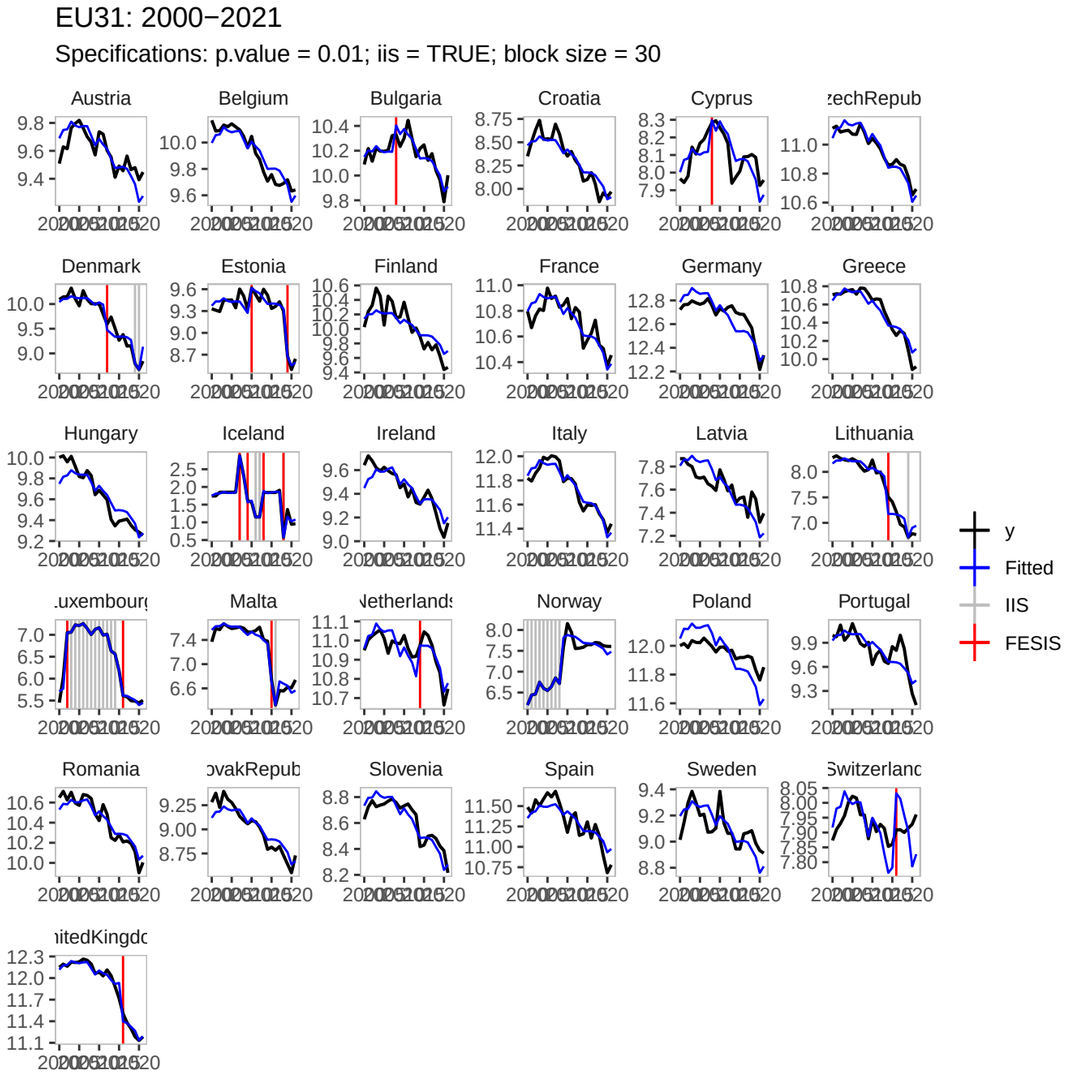

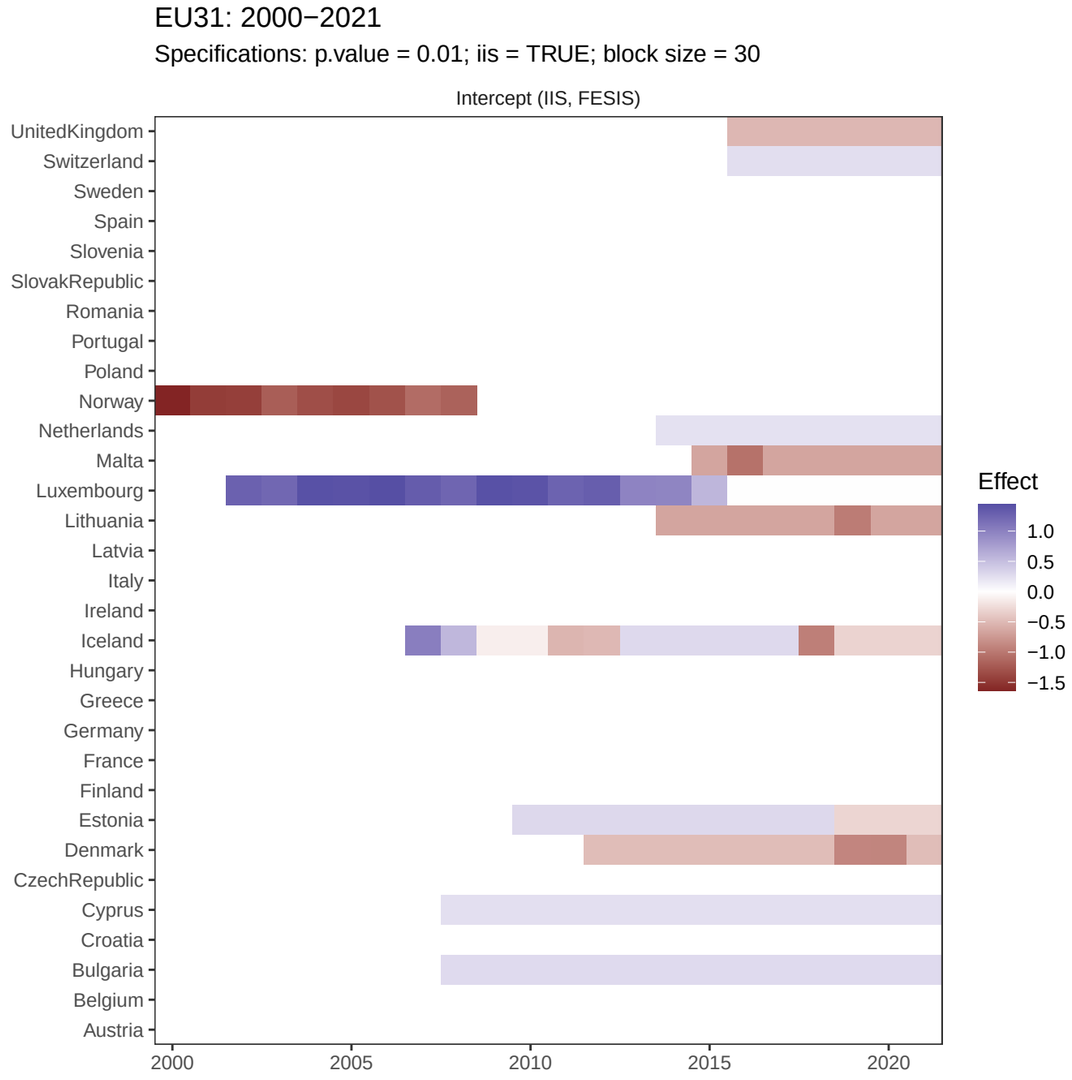

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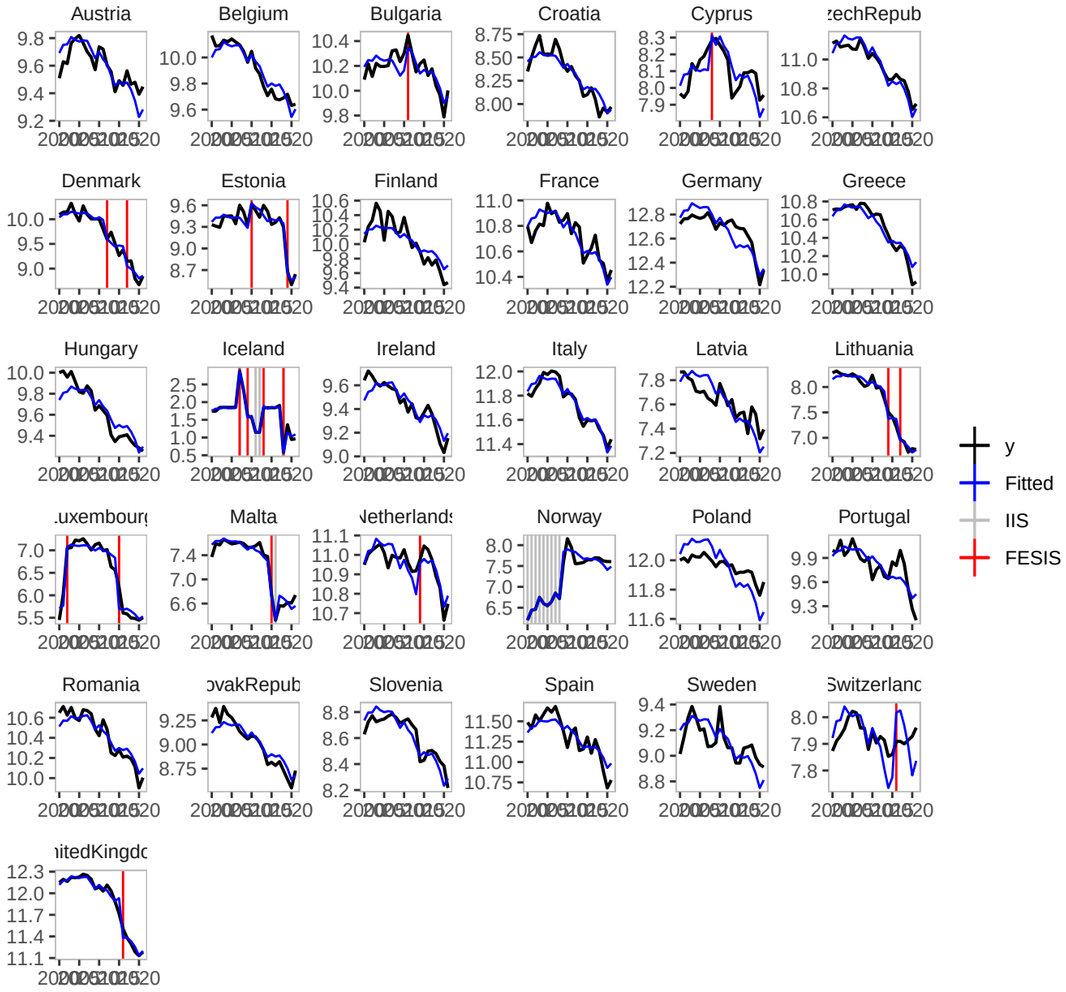

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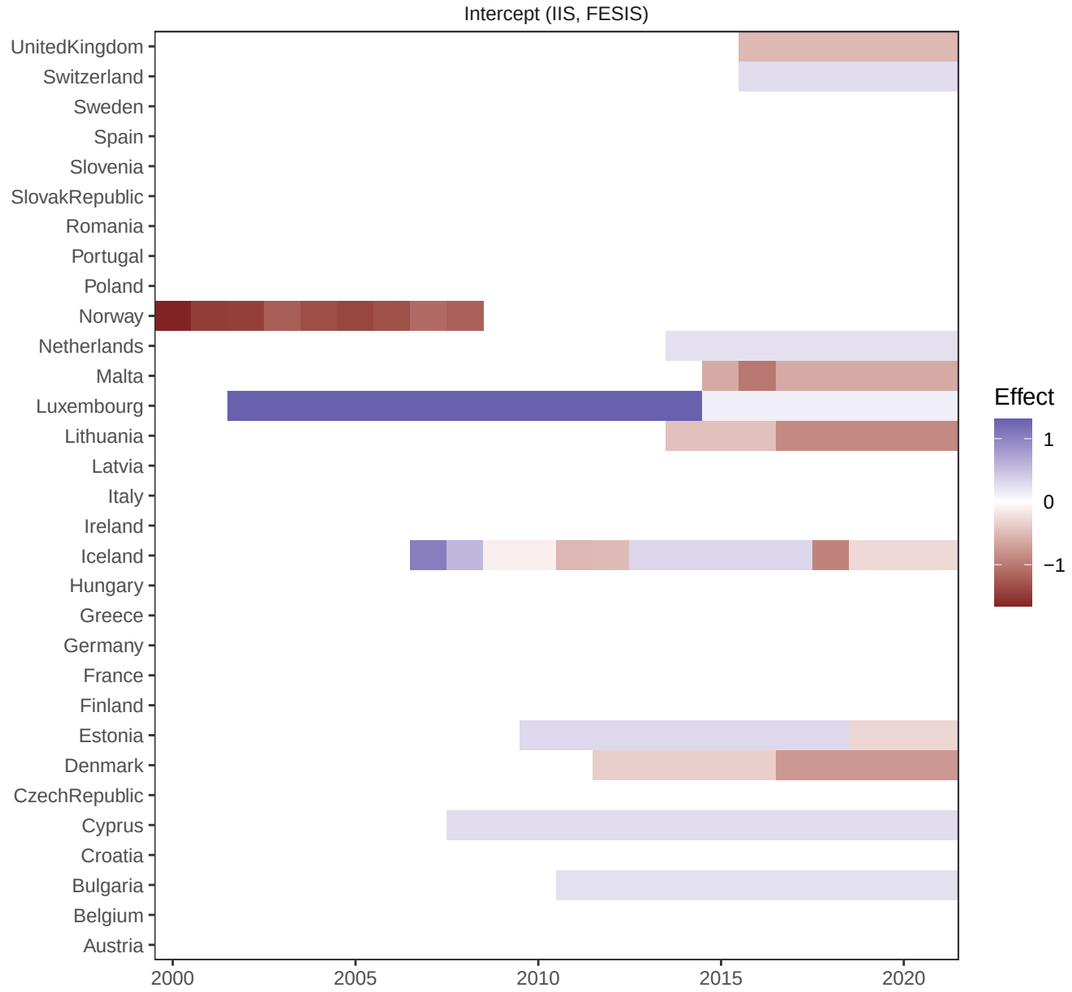

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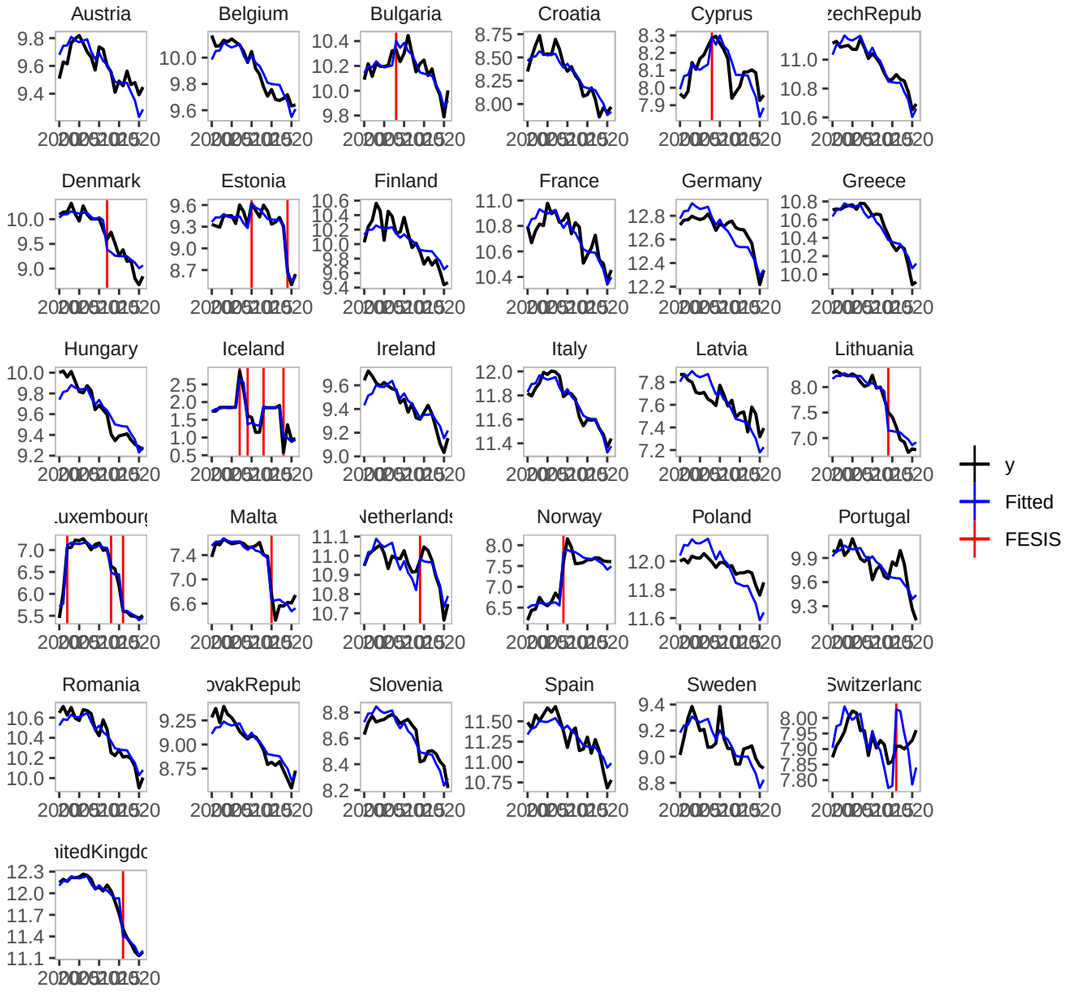

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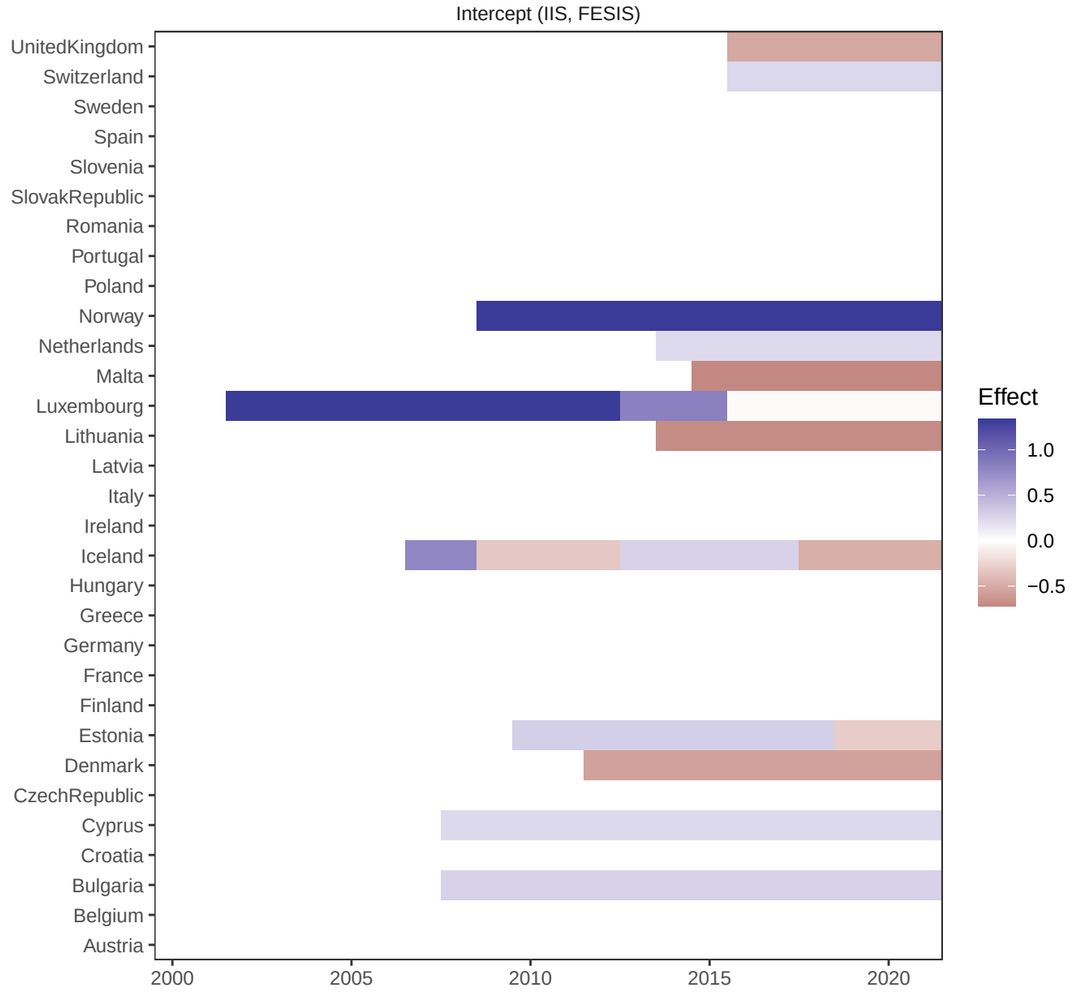

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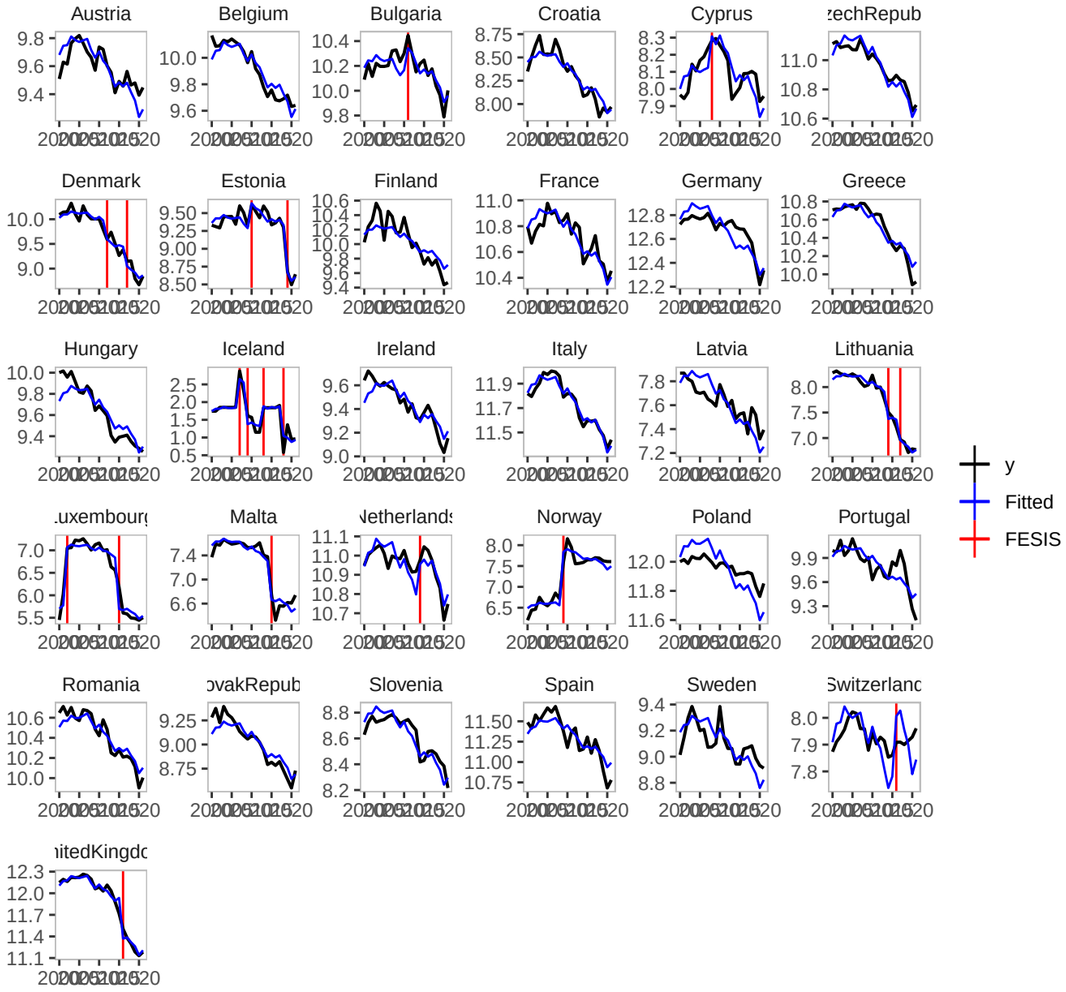

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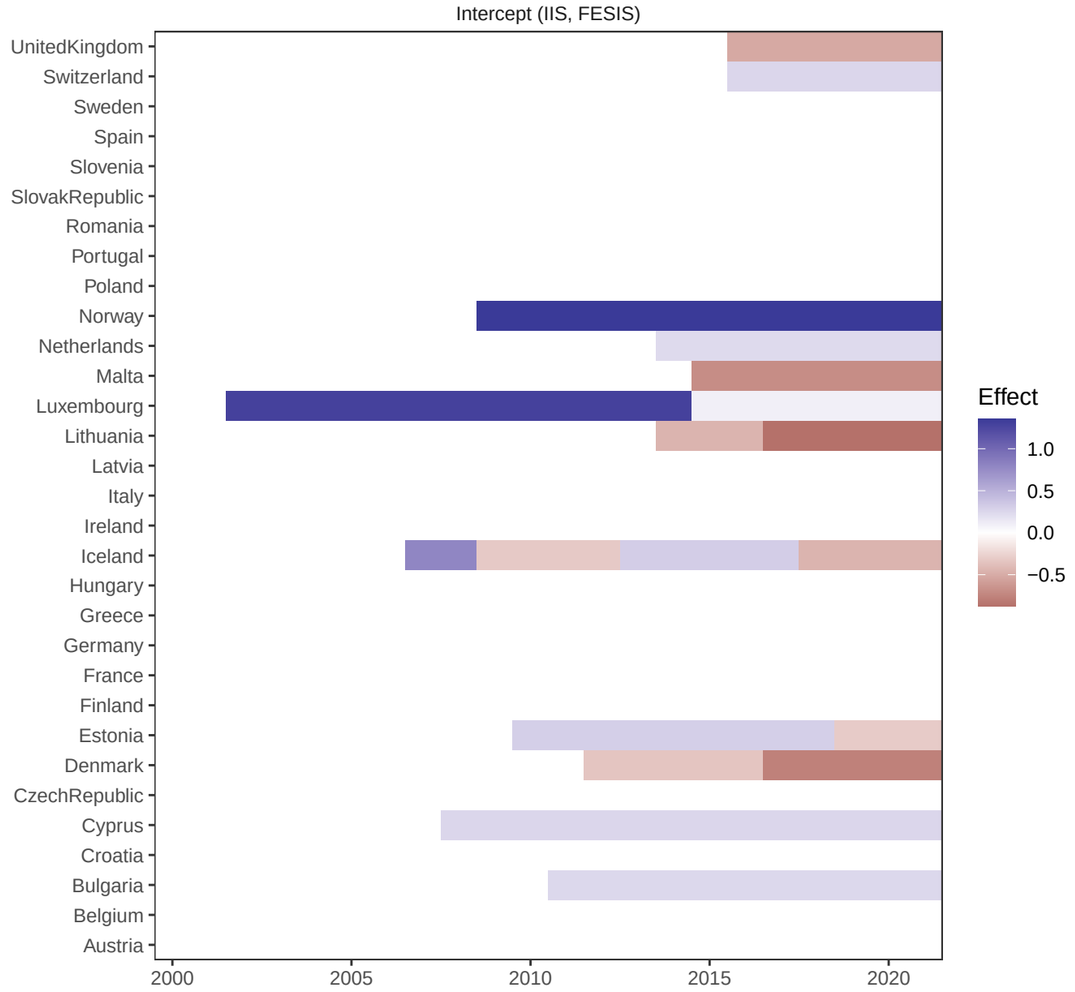

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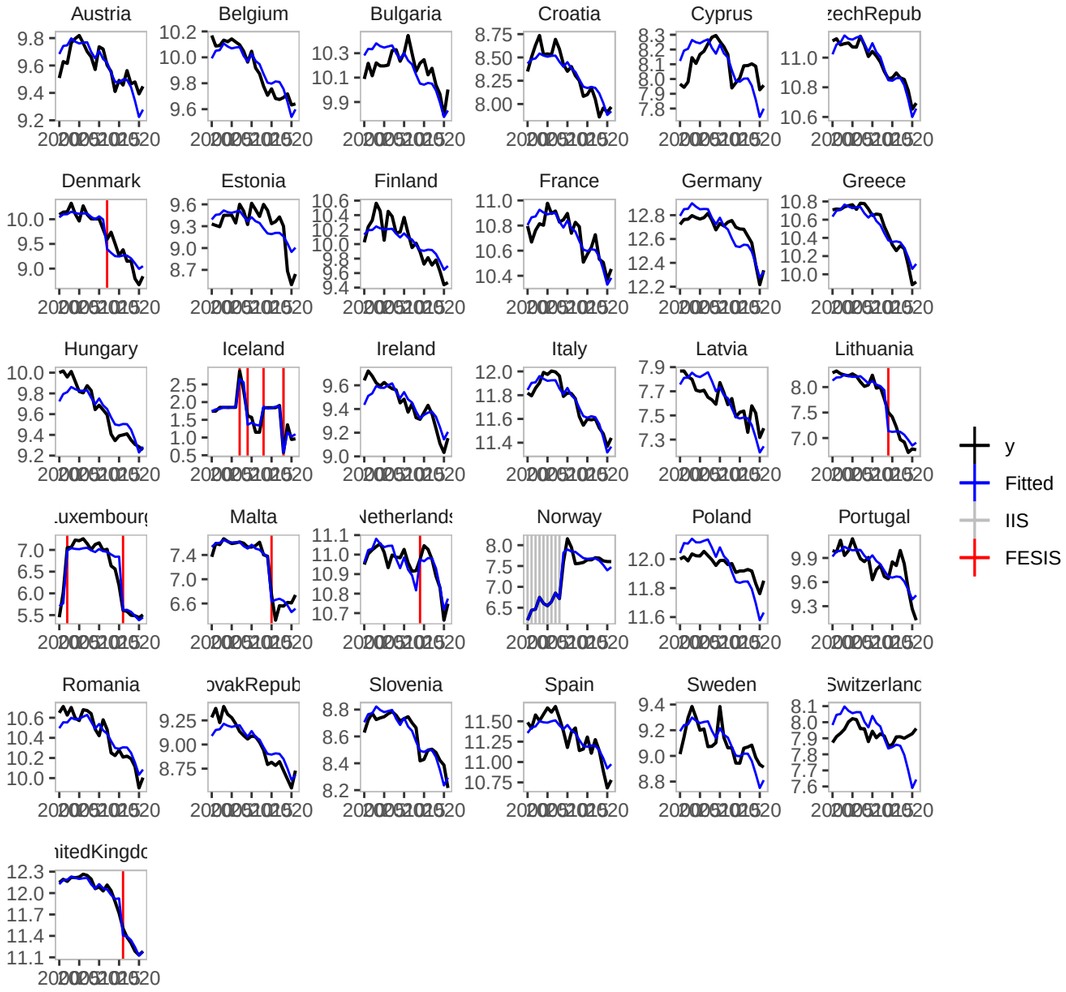

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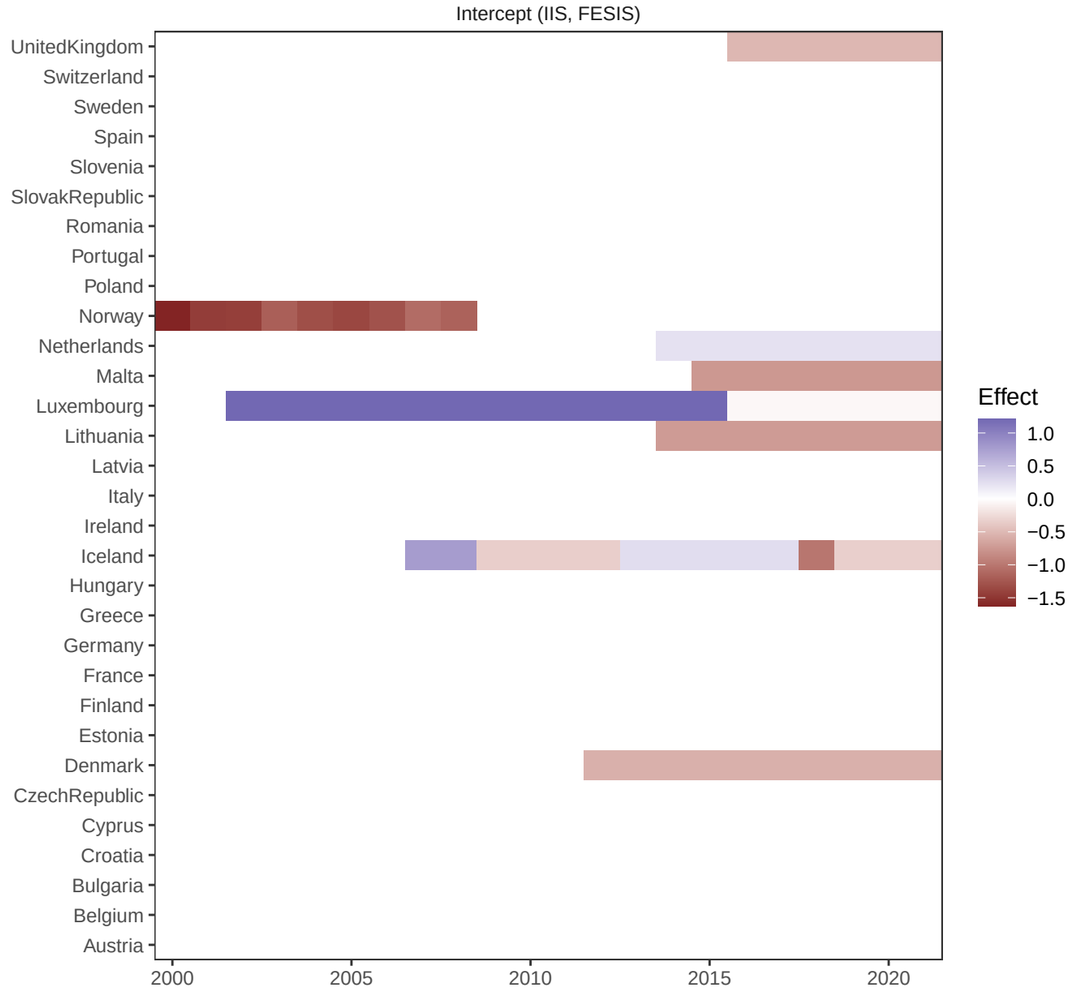

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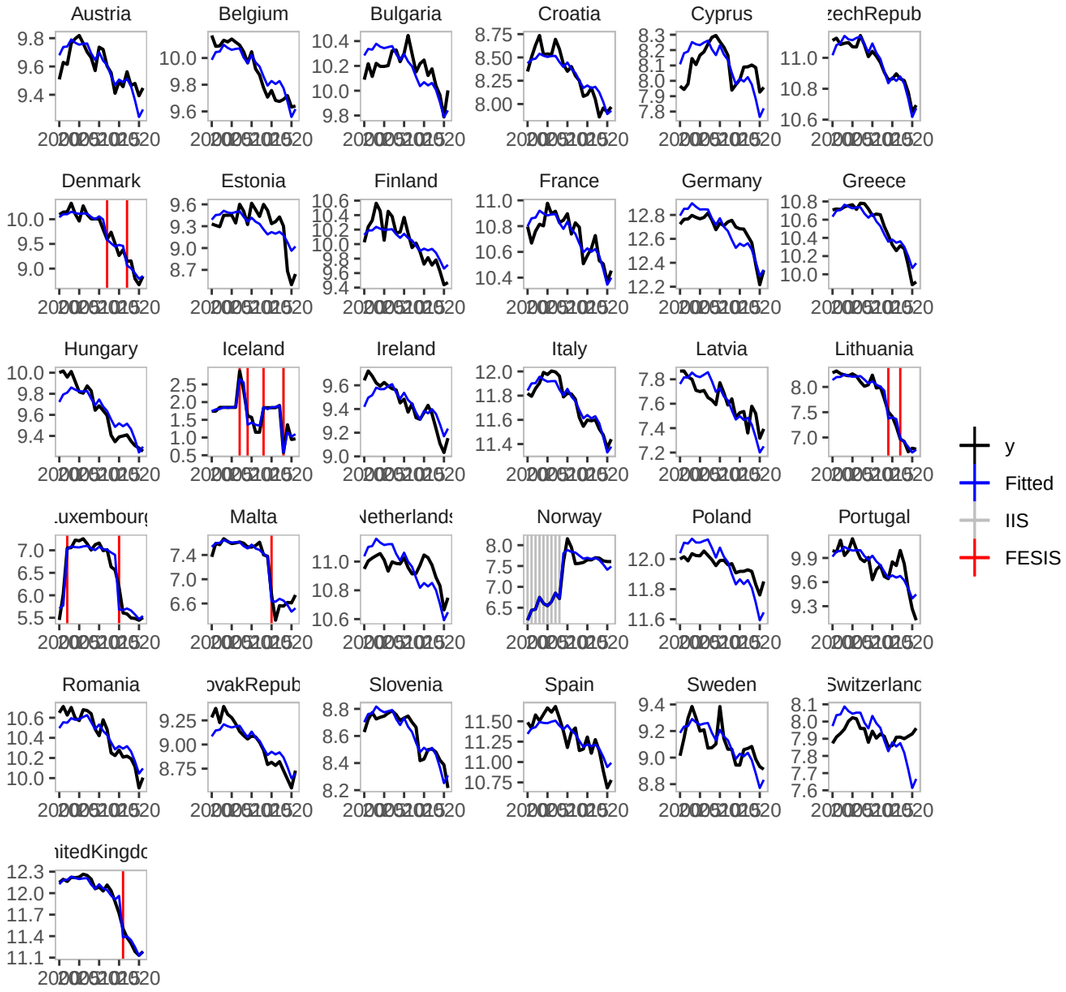

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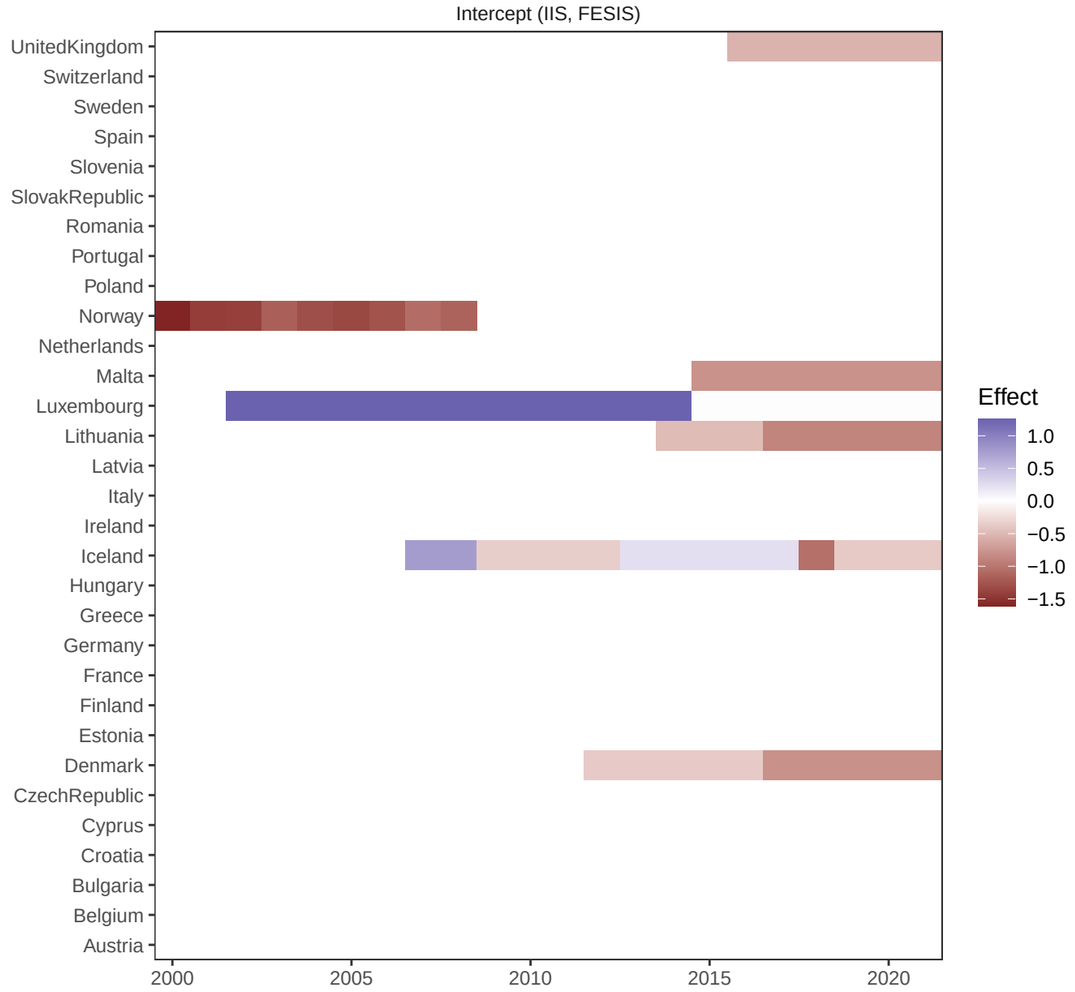

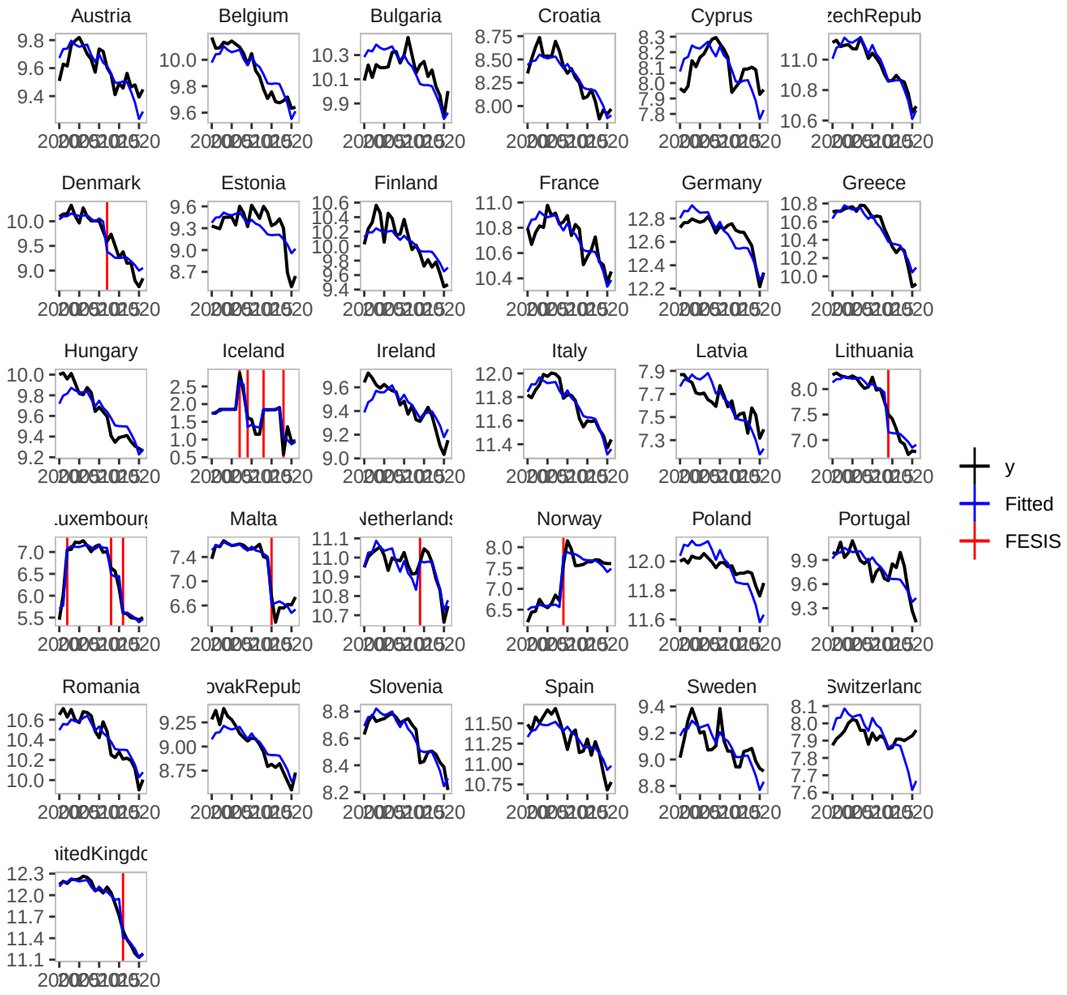
EU31: 2000−2021
Specifications: p.value = 0.001; iis = FALSE; block size = 30
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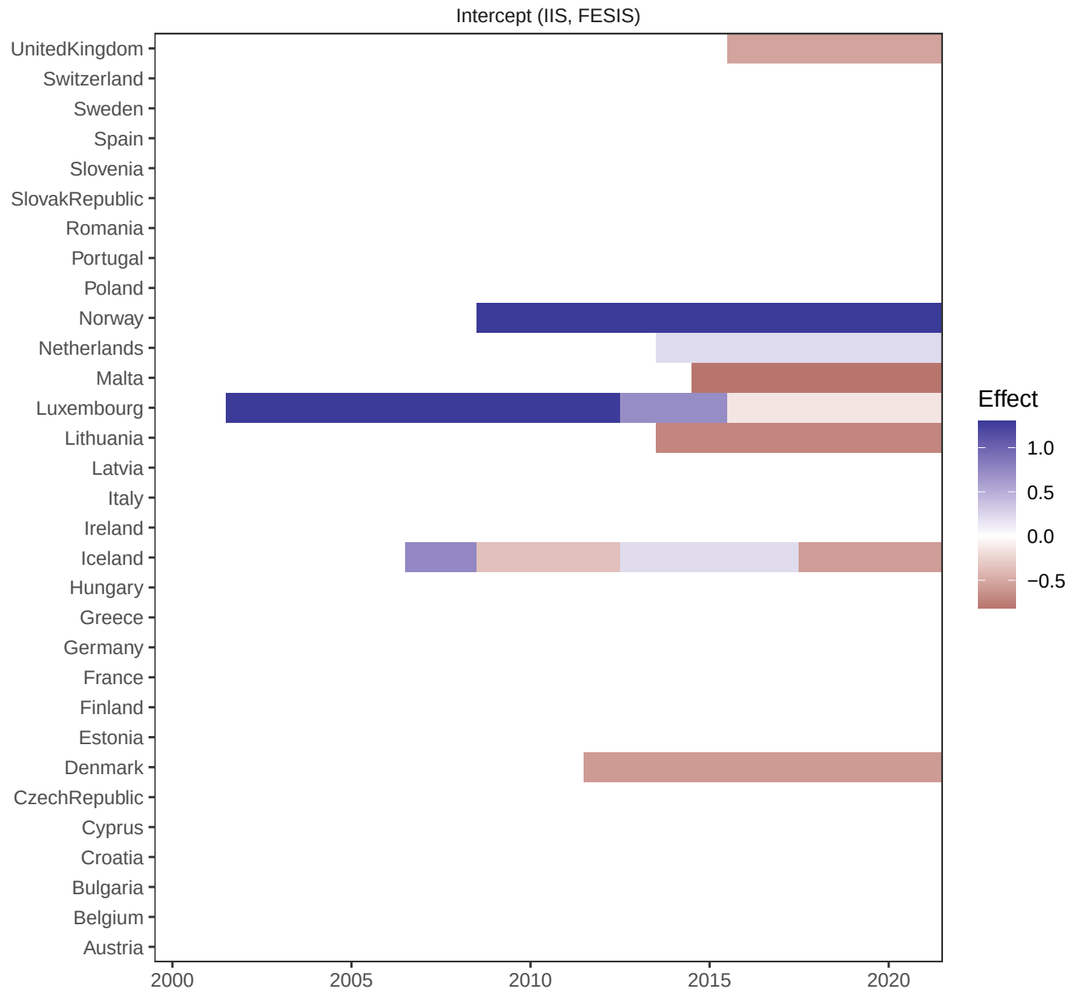
EU31: 2000−2021
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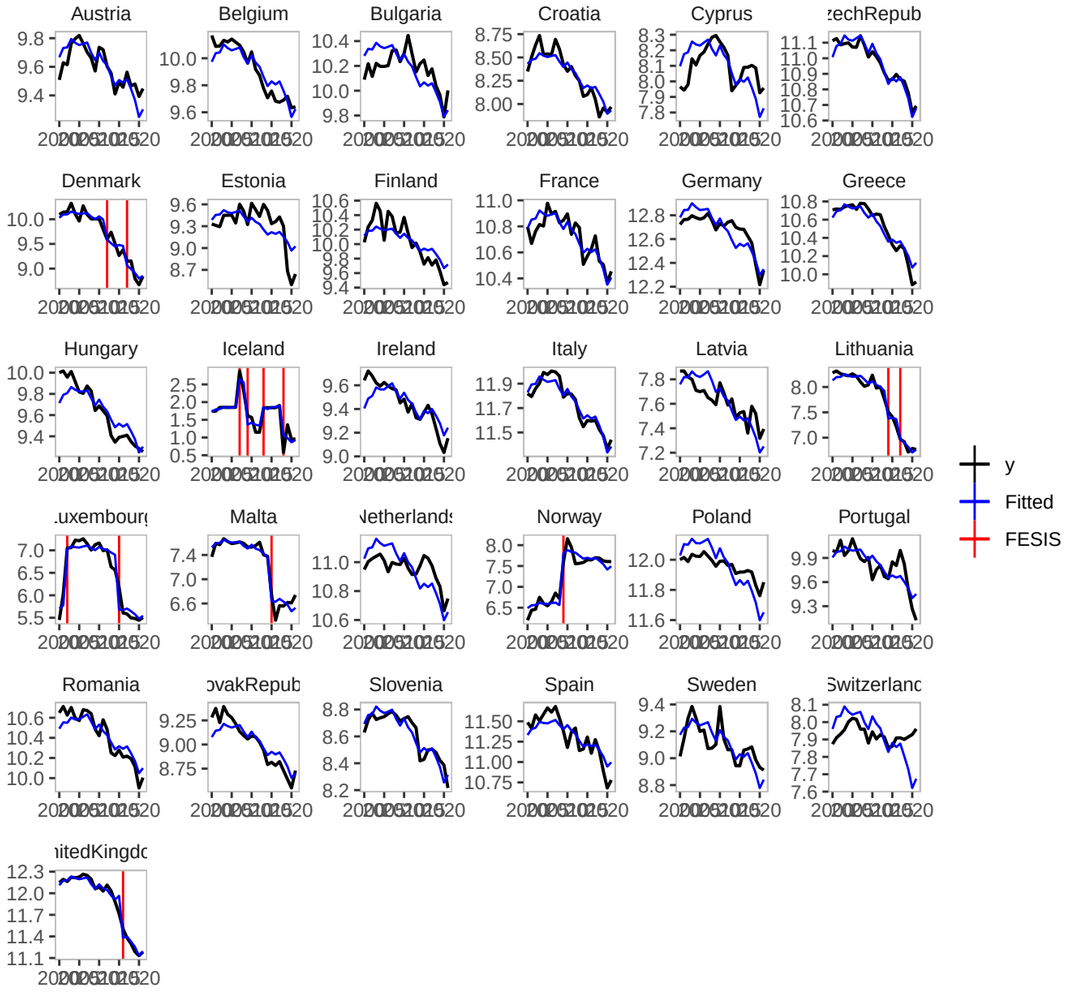
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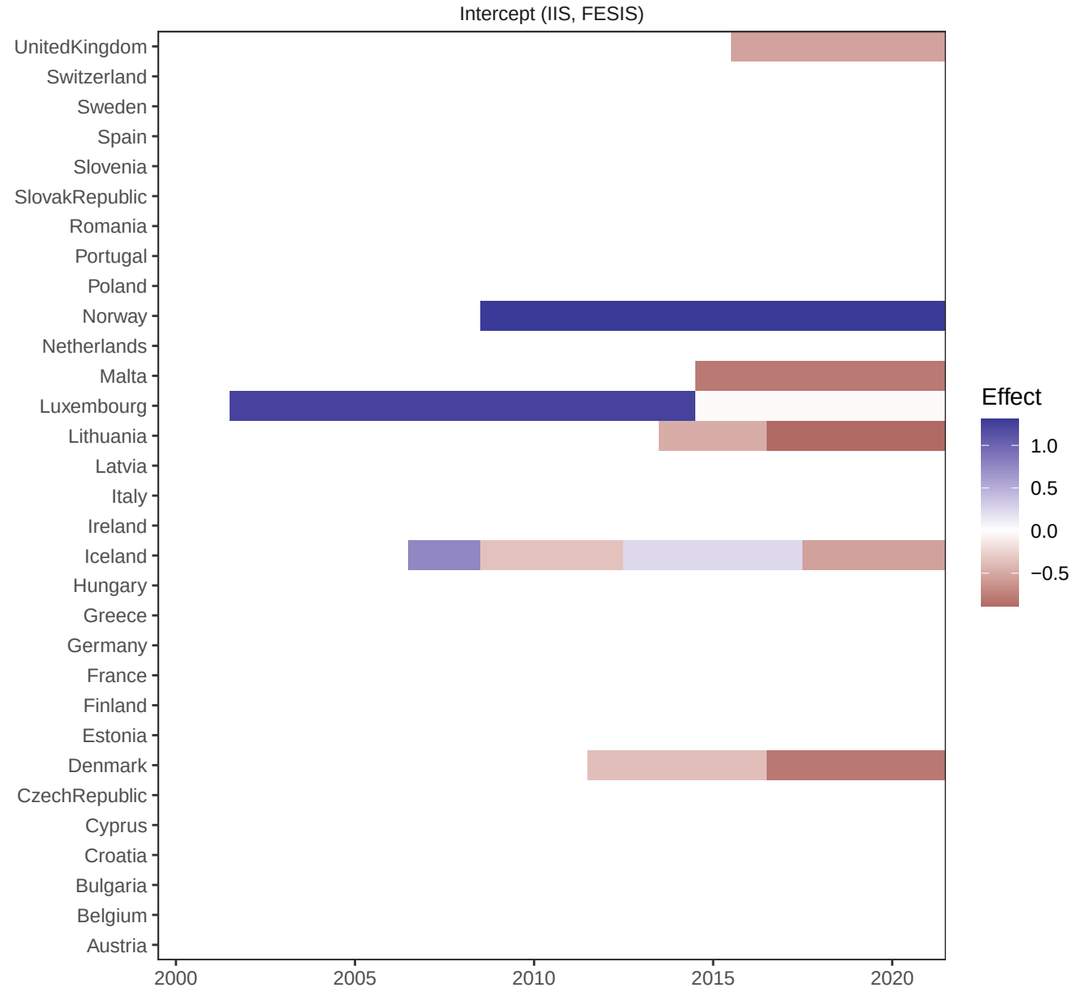
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EU31: 1990-2021

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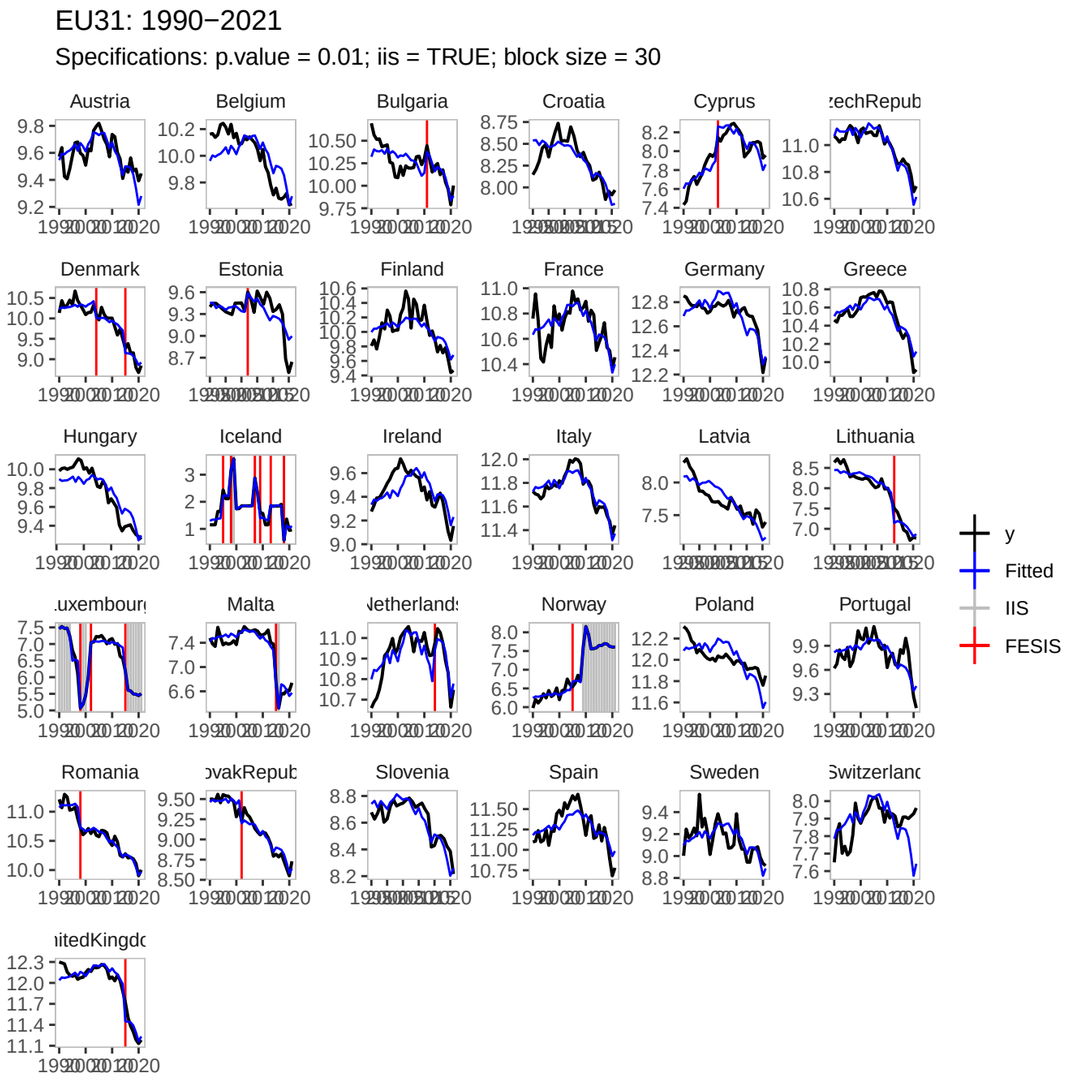

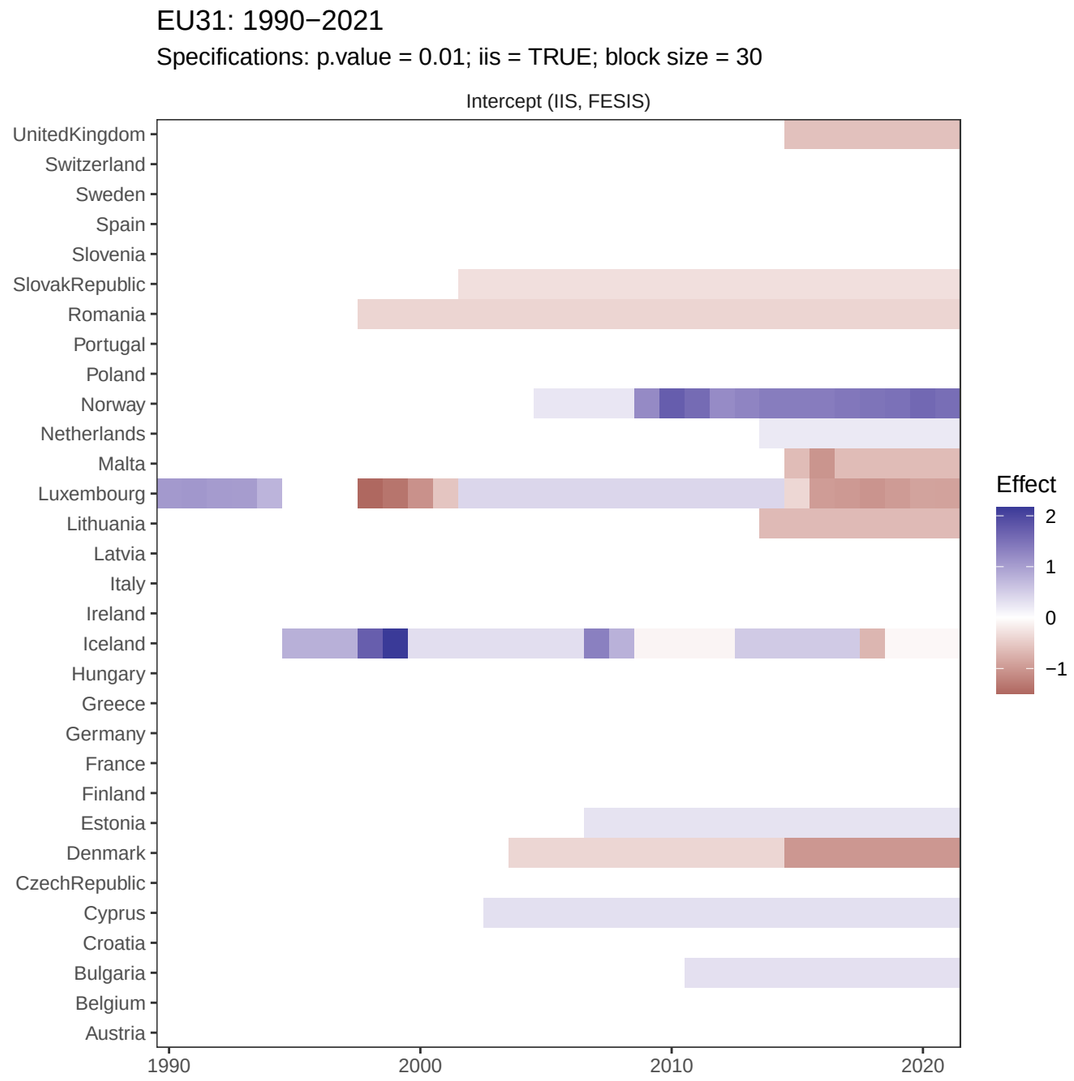

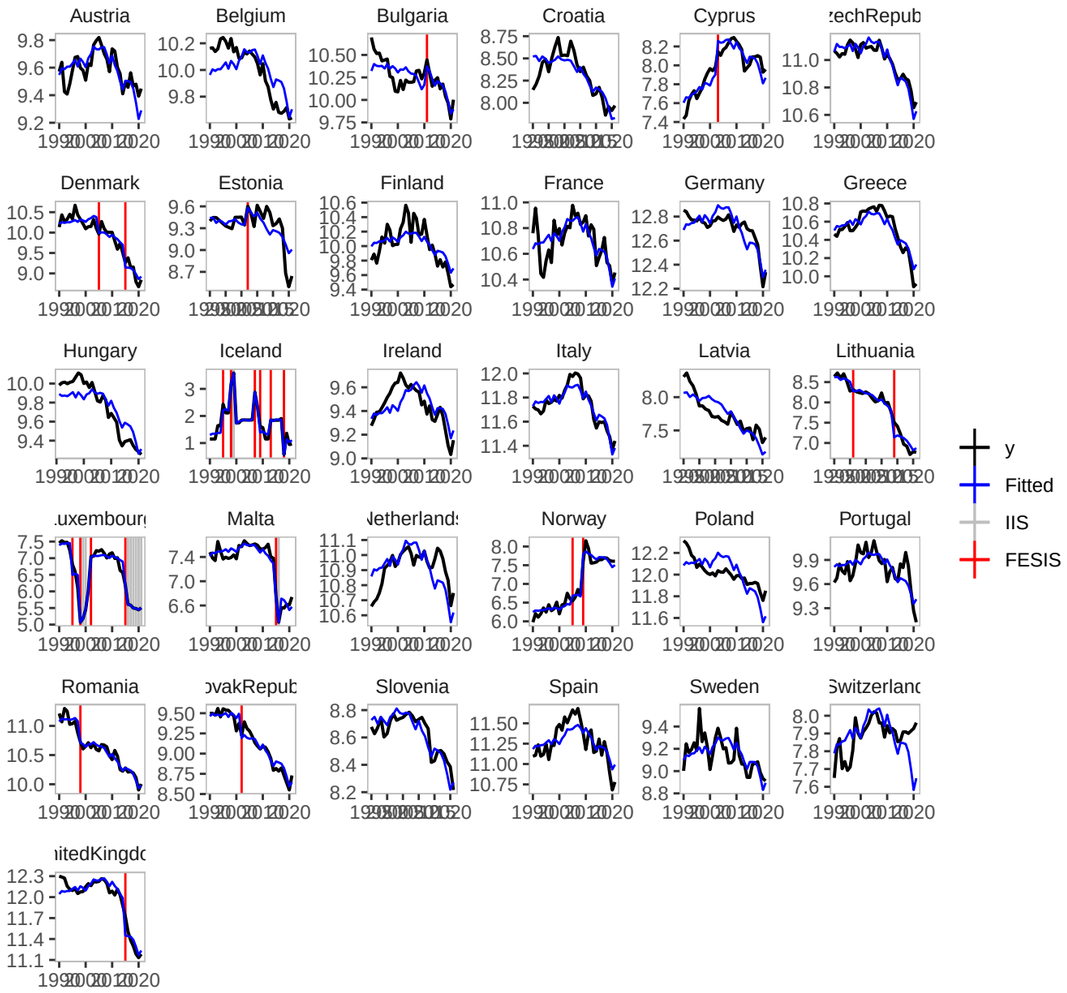
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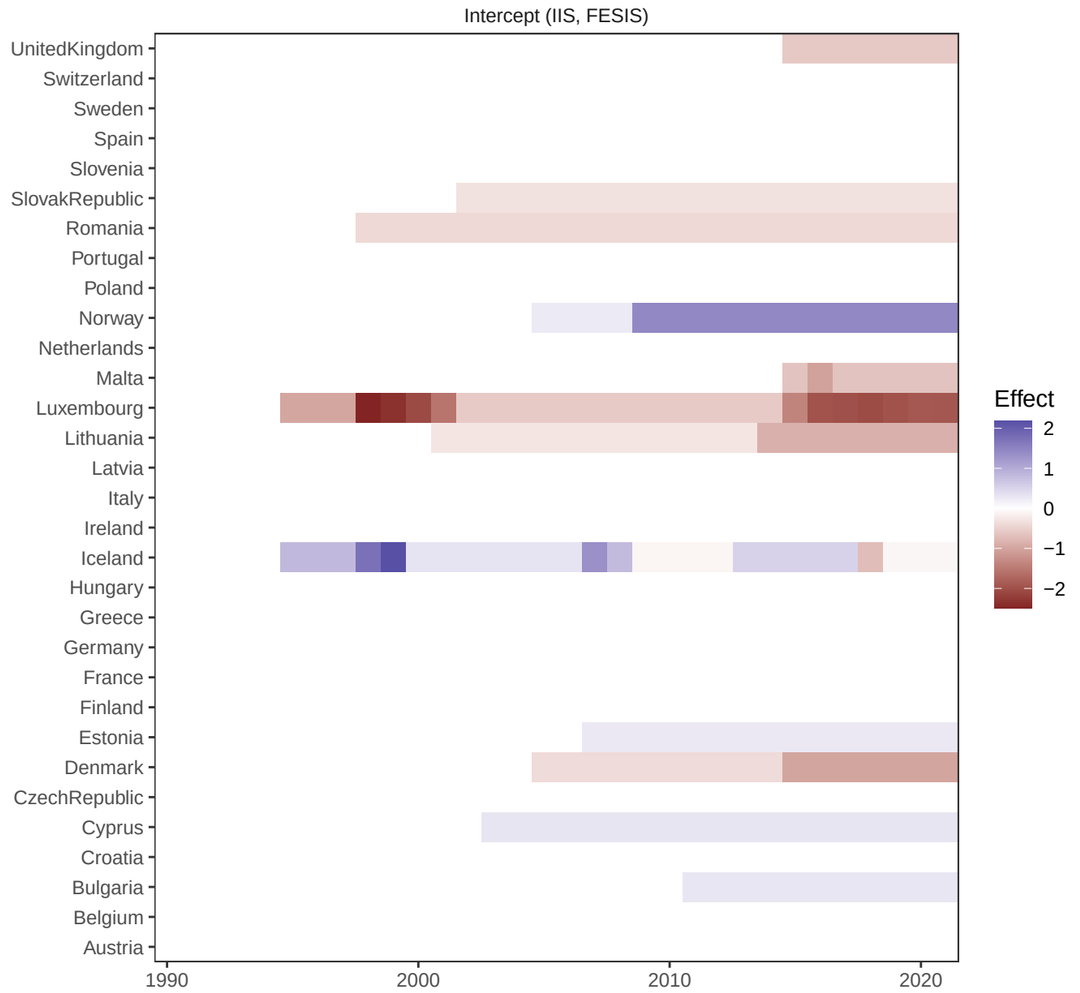
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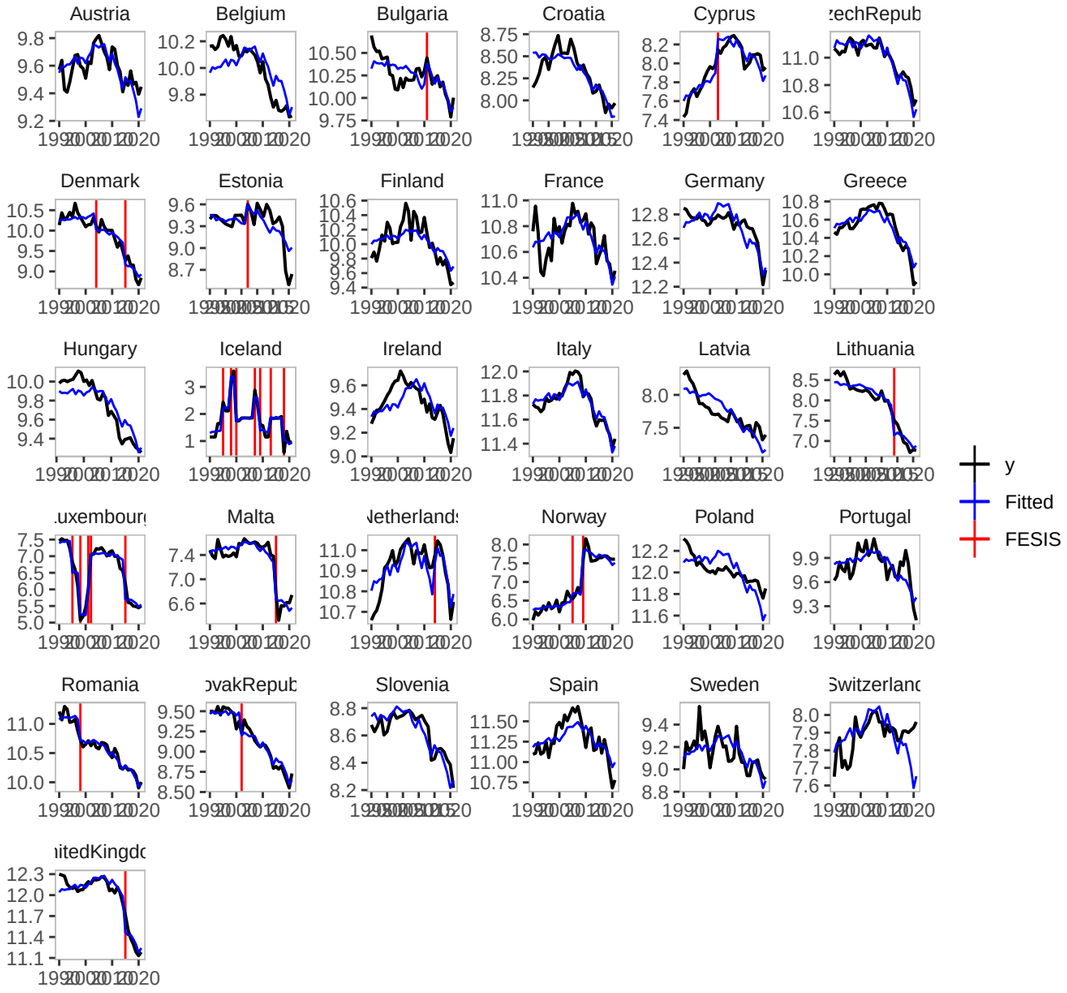
EU31: 1990−2021

Specifications: p.value = 0.01; iis = FALSE; block size = 30



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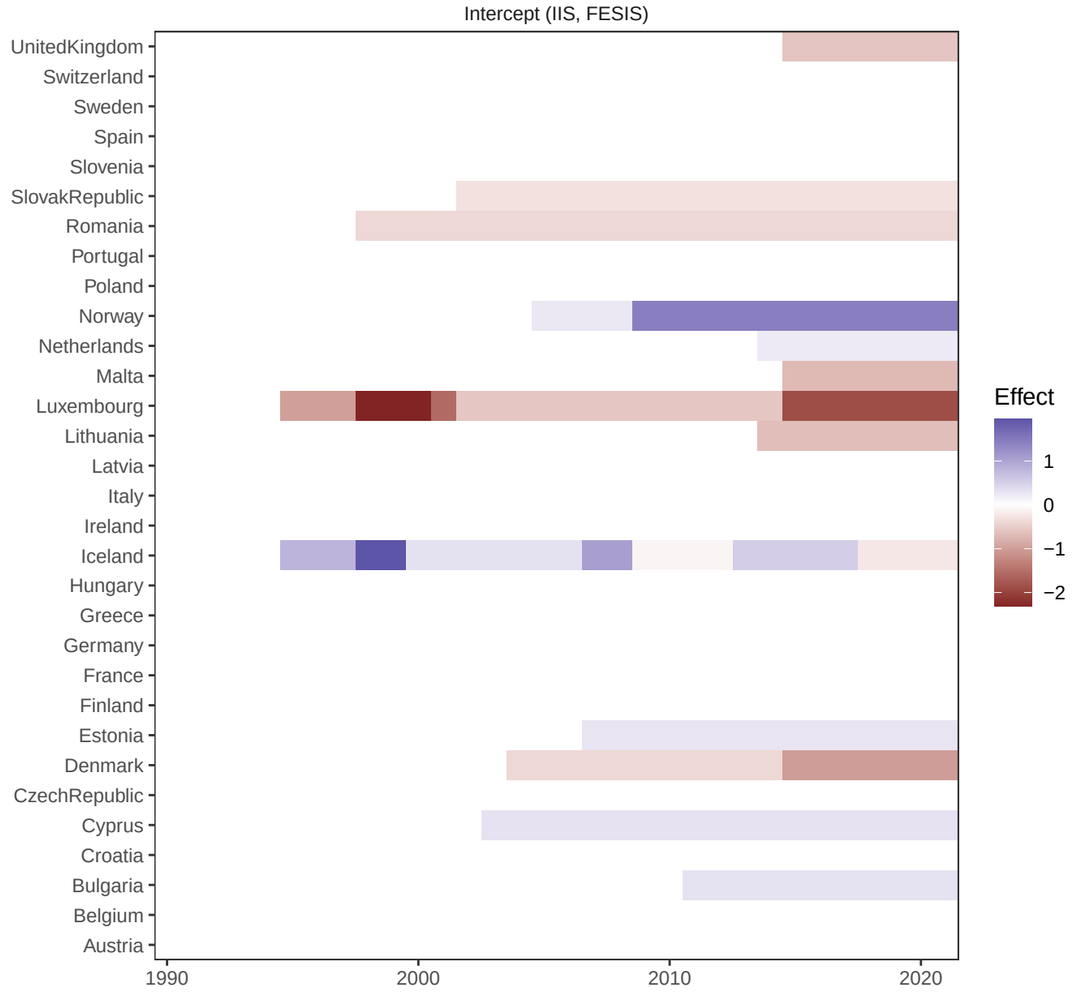

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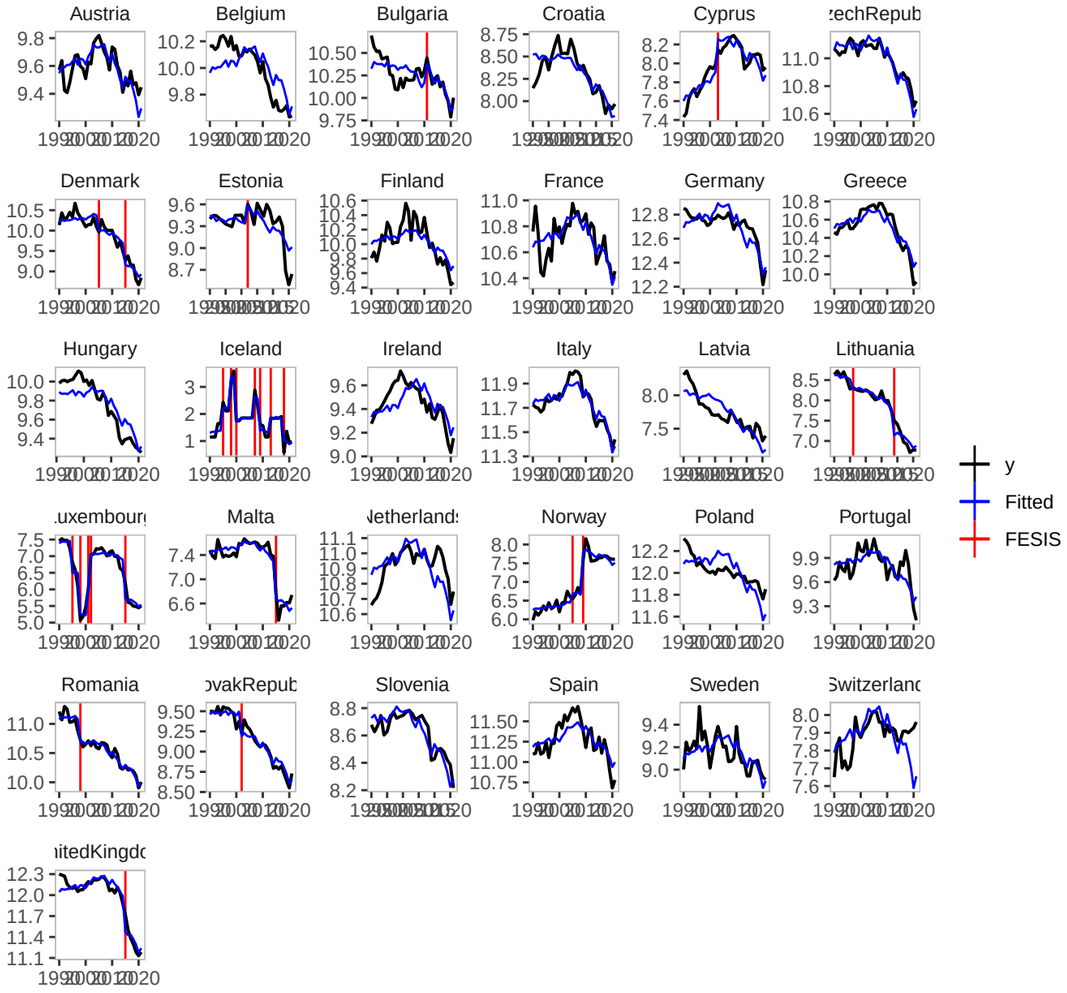

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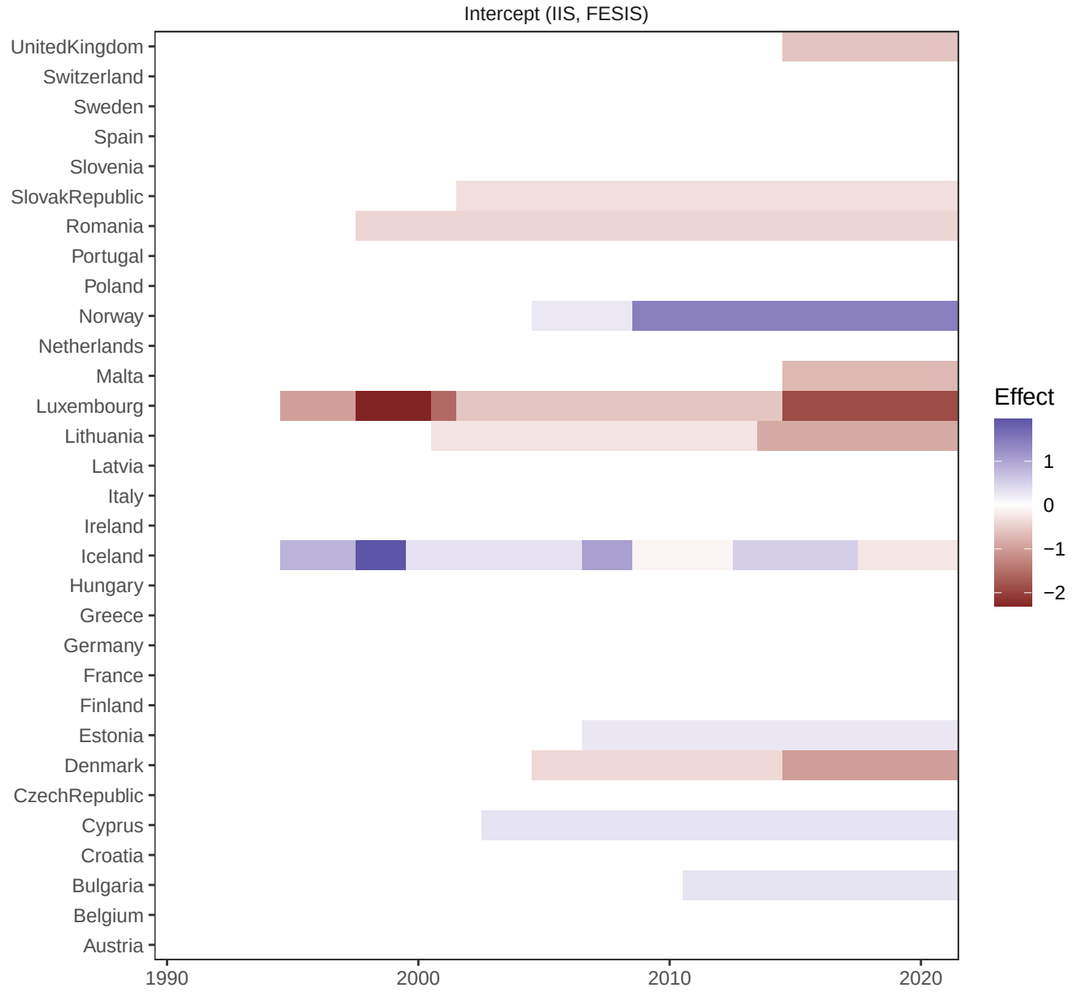

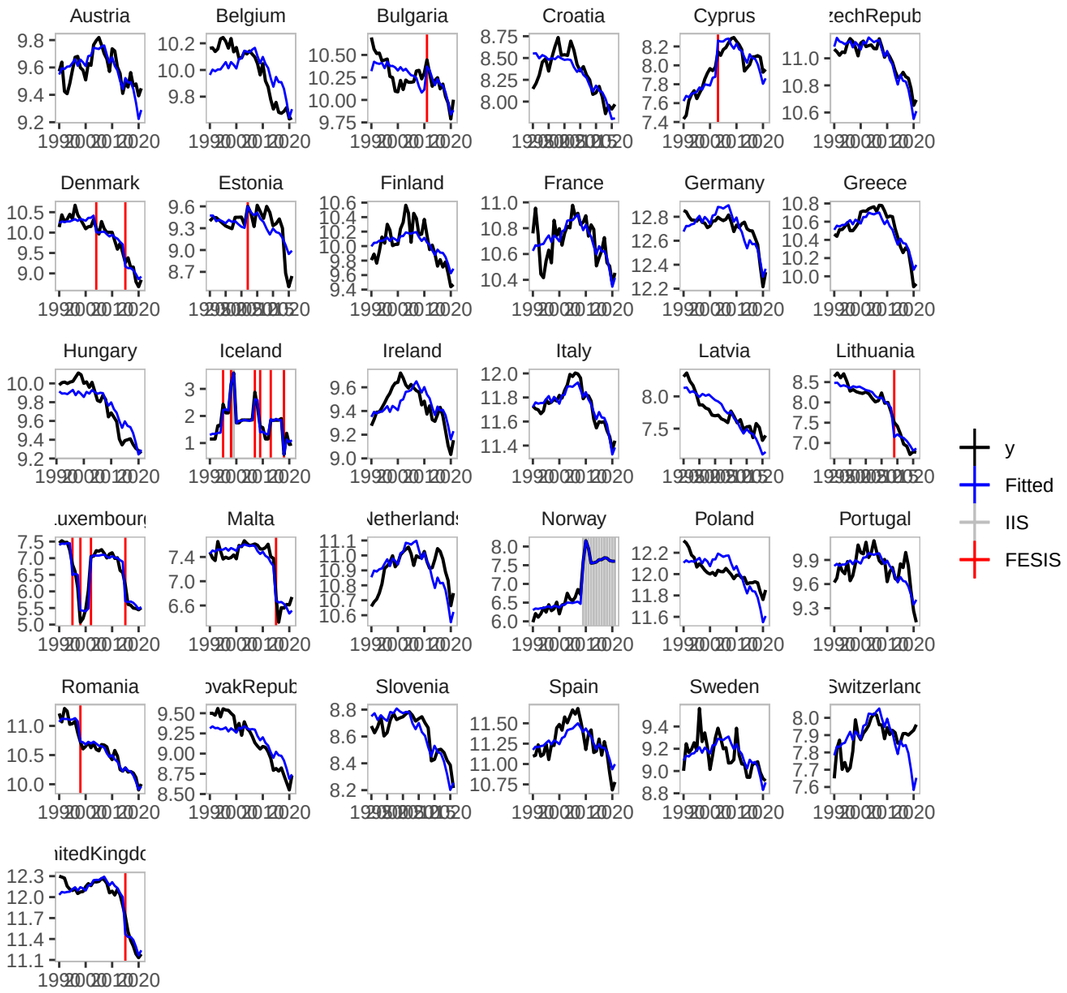
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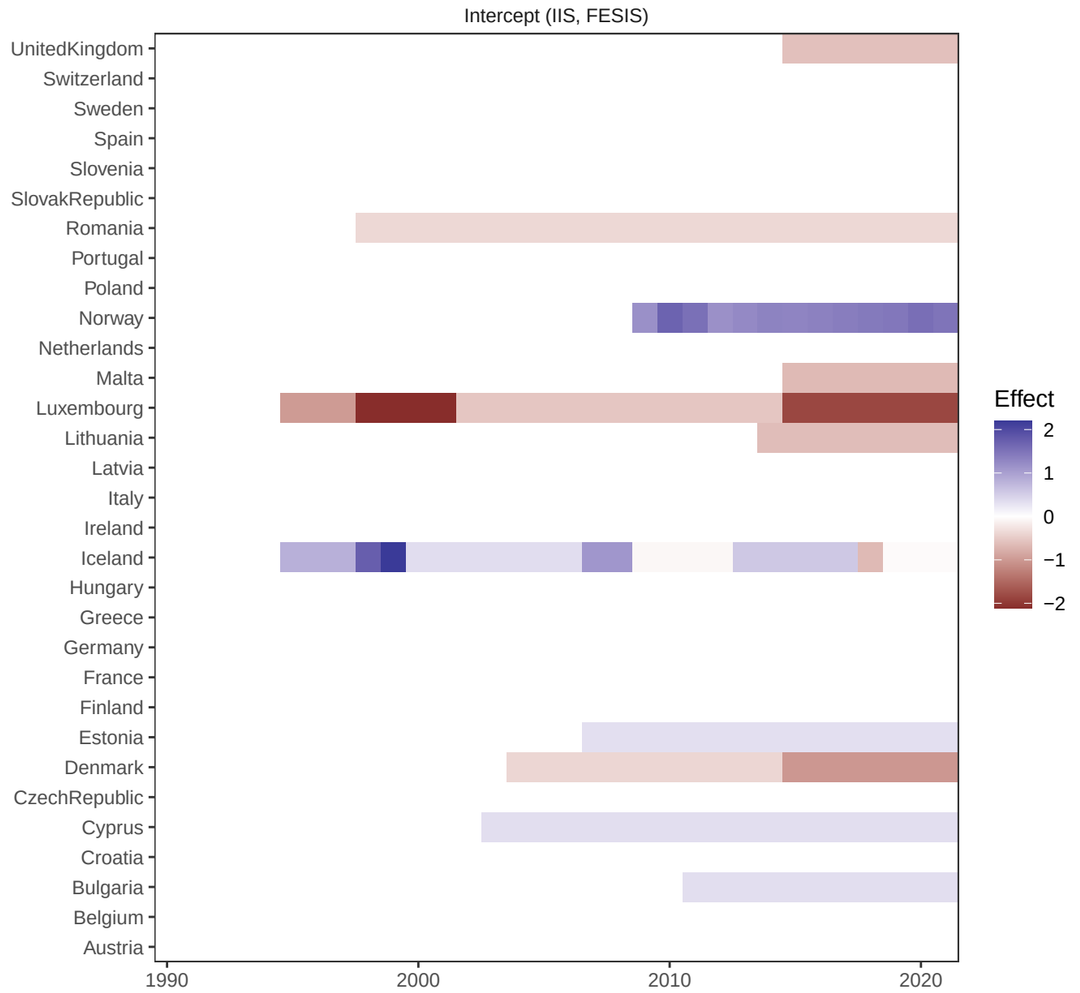
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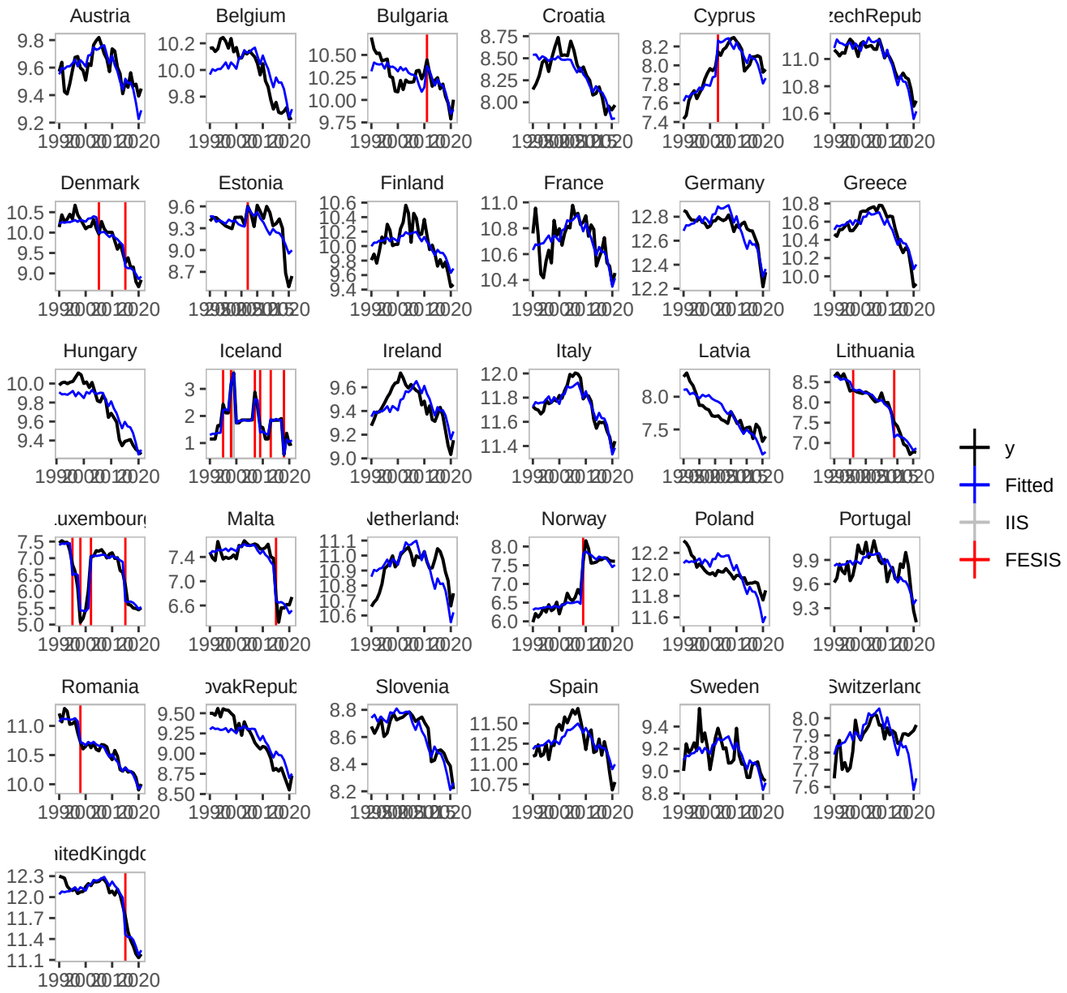
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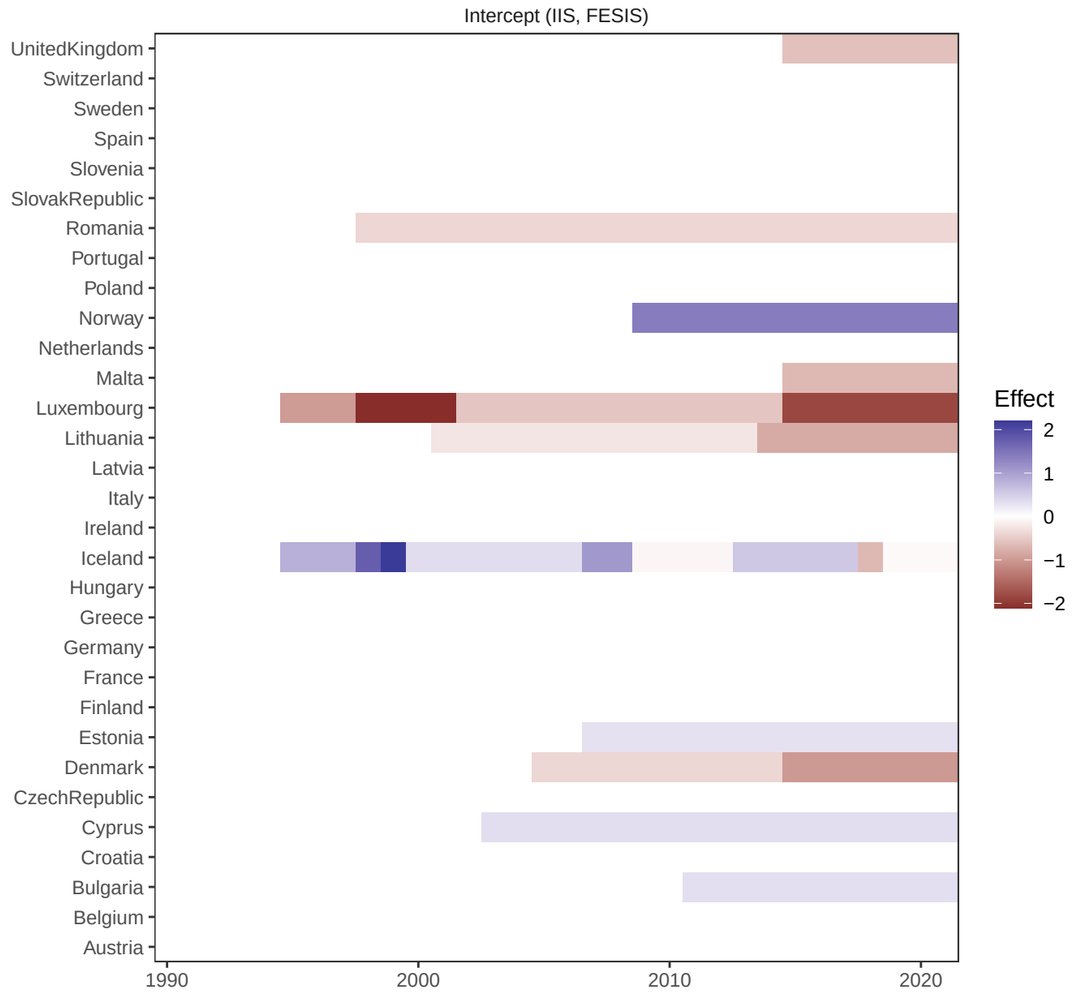
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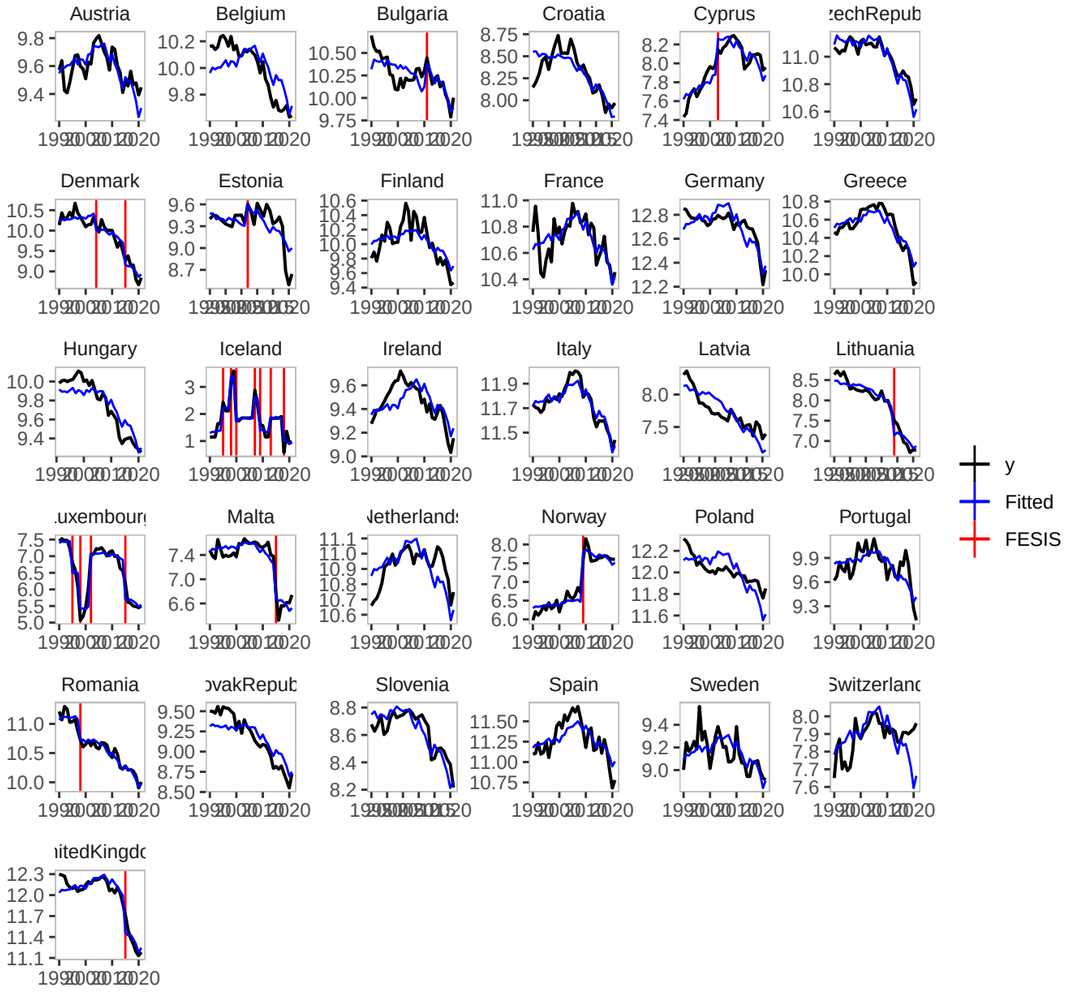

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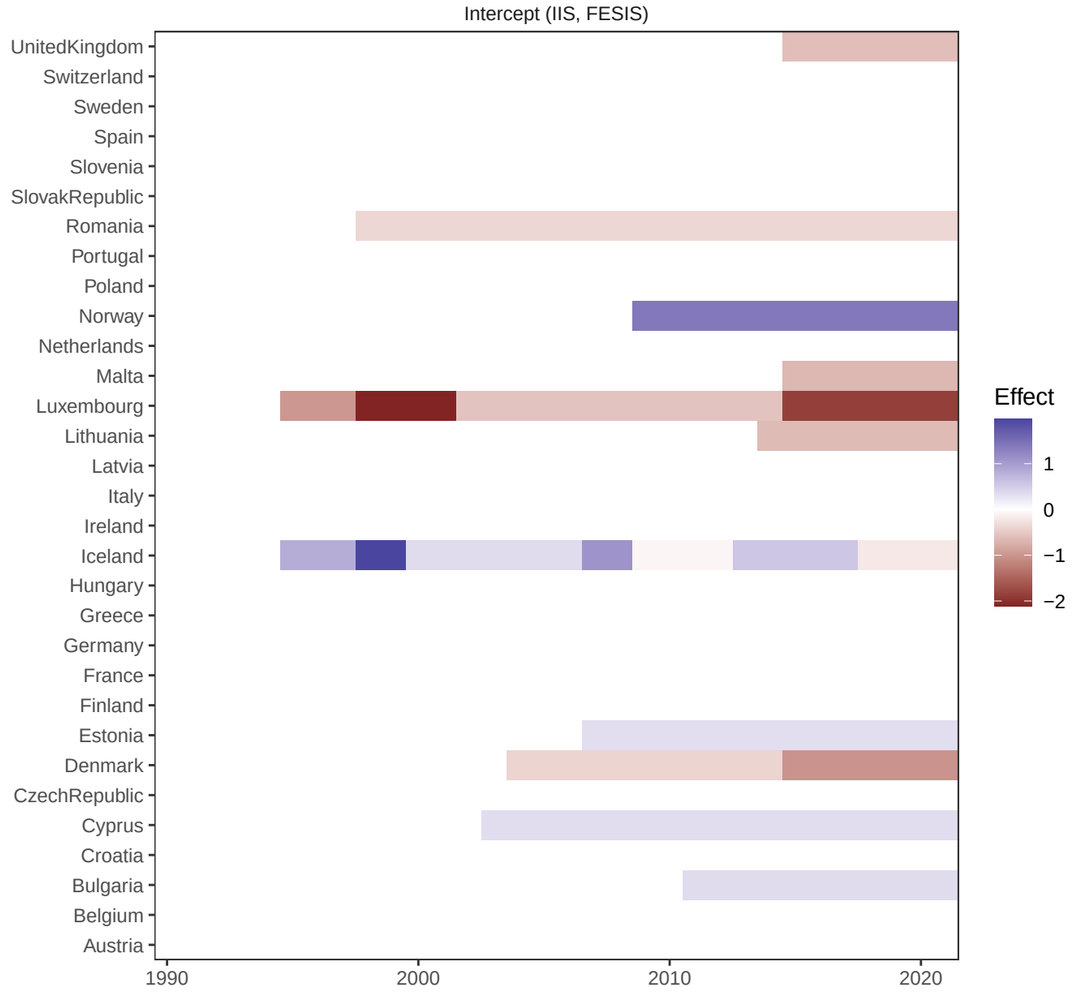

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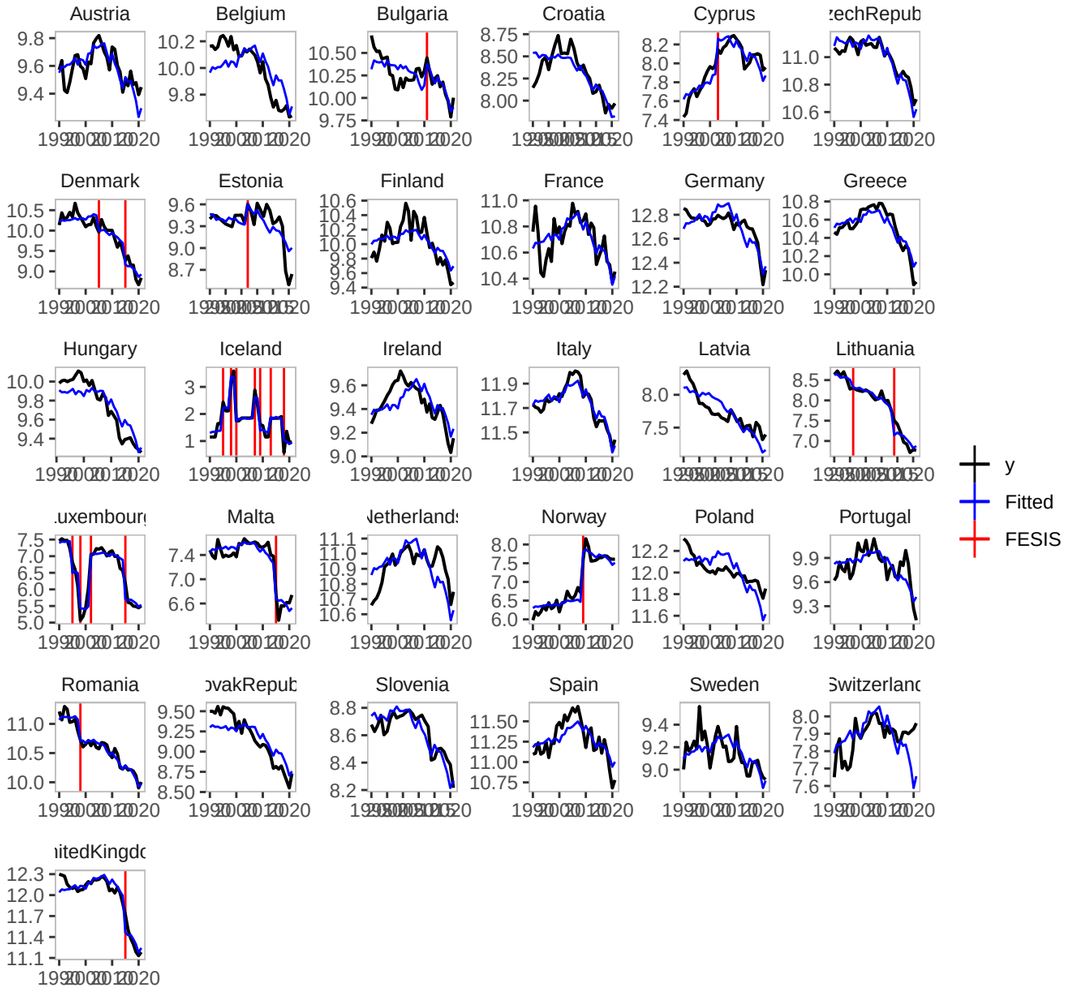

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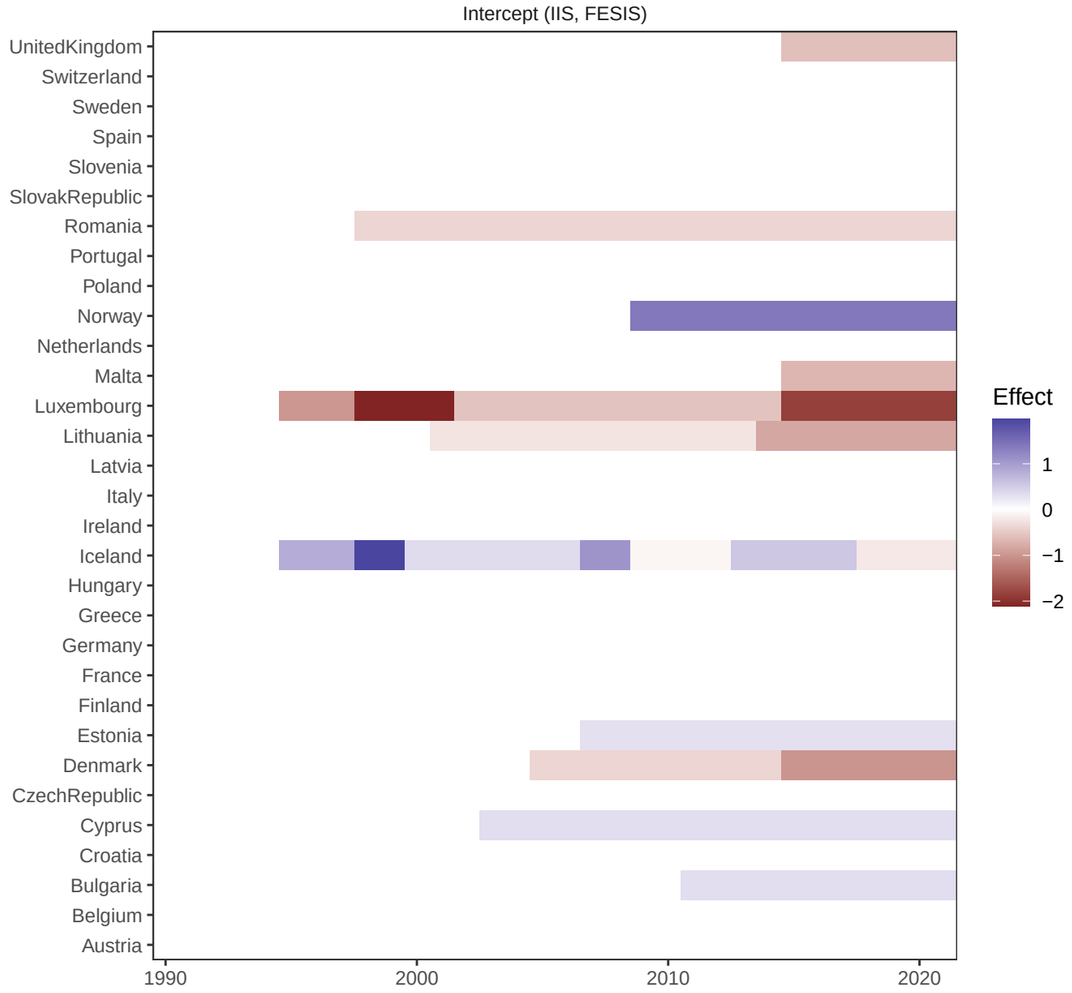

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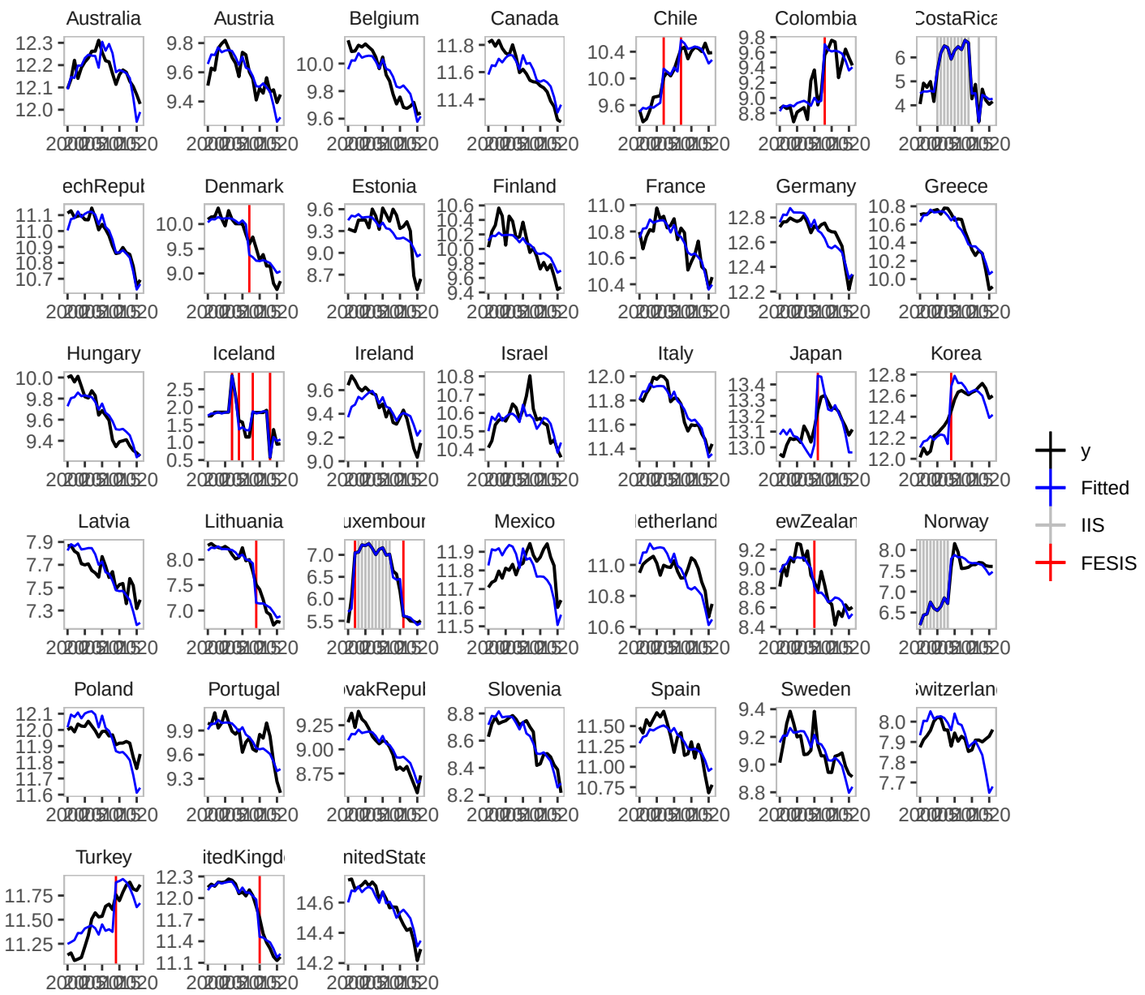
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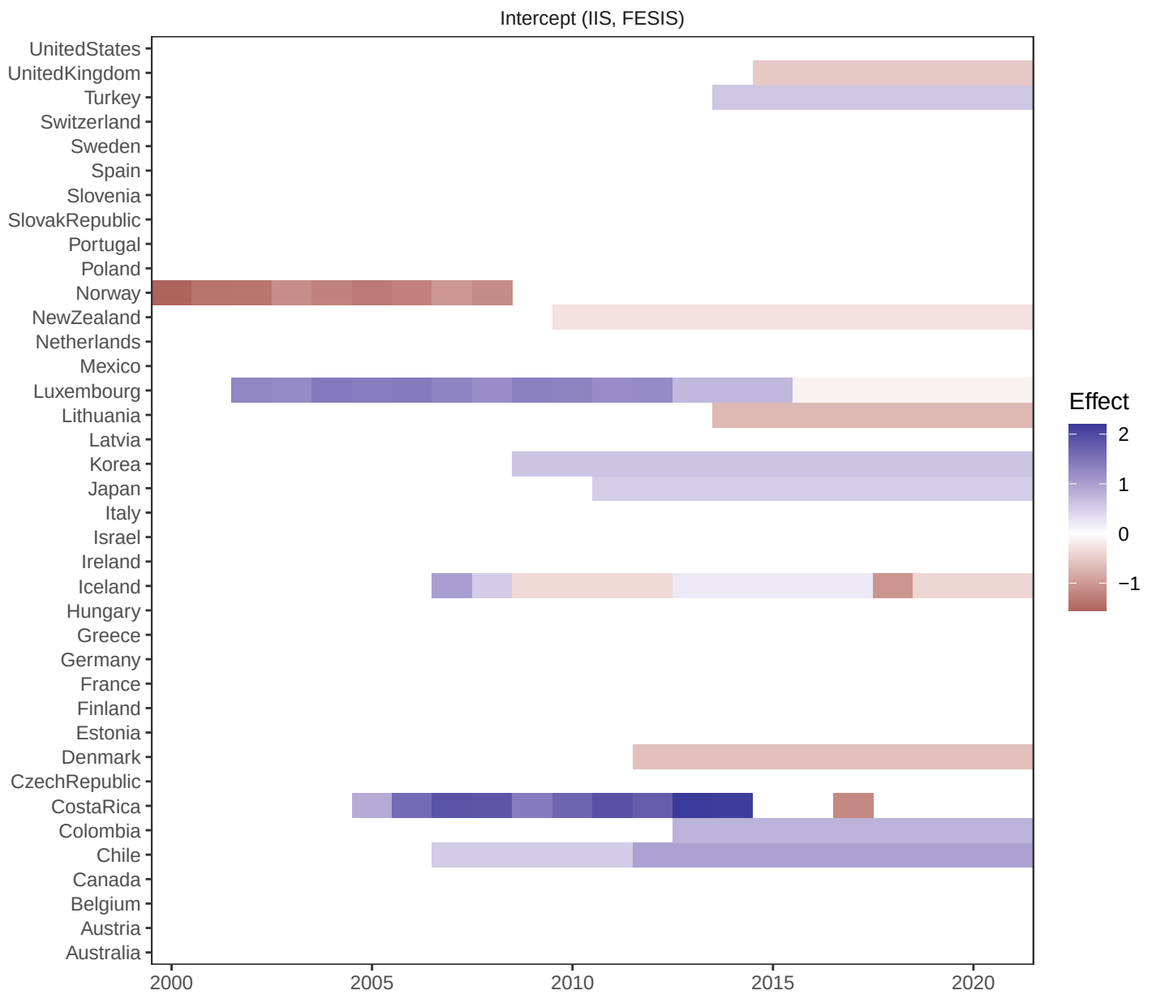
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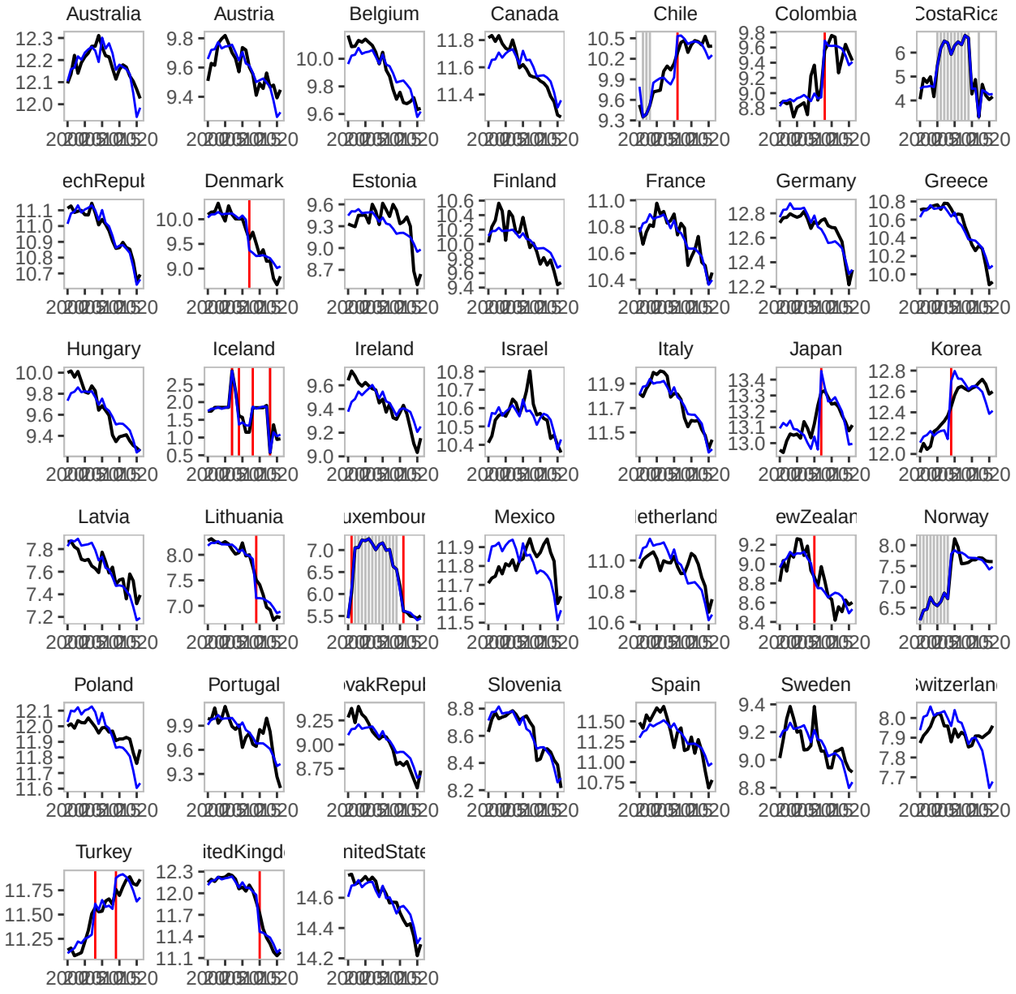

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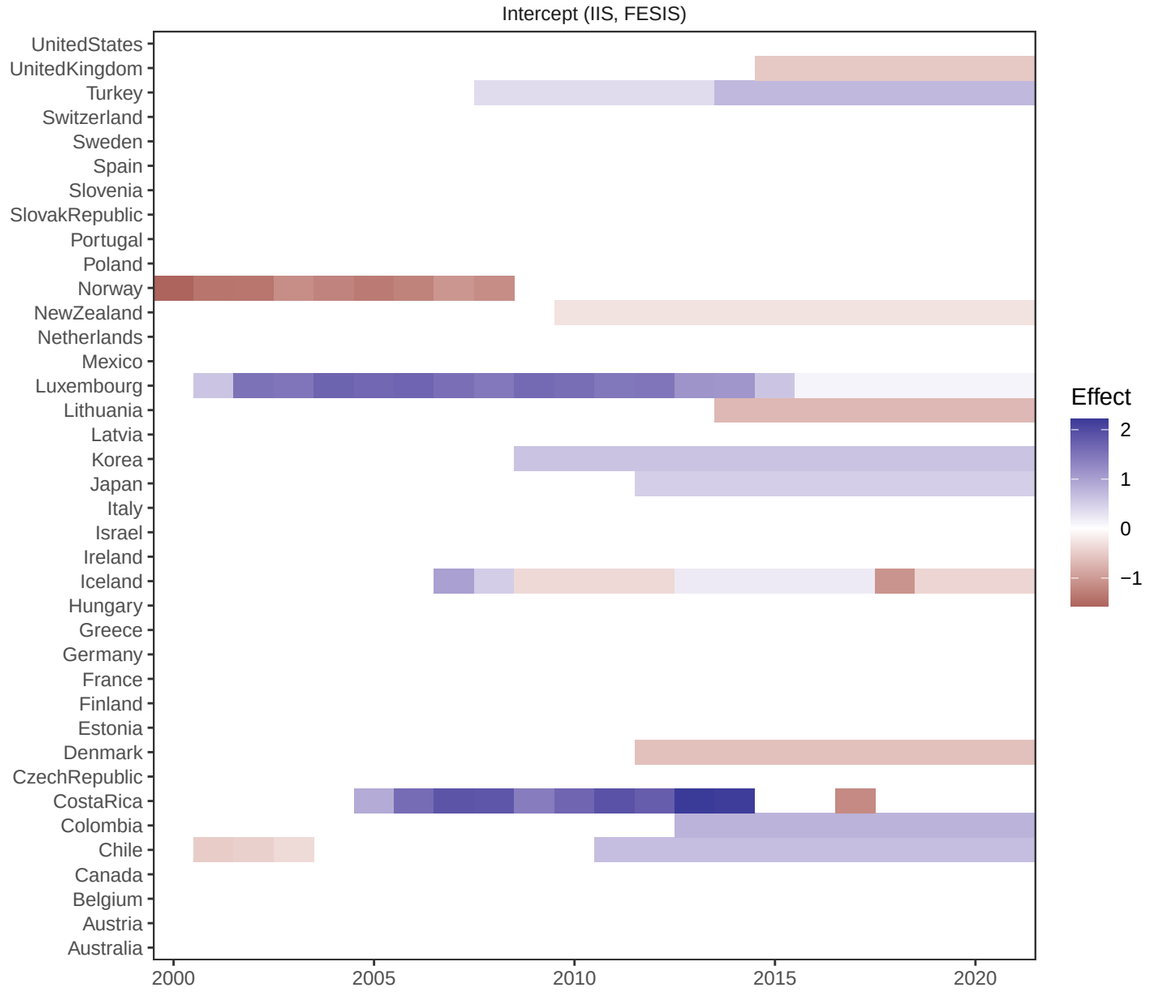

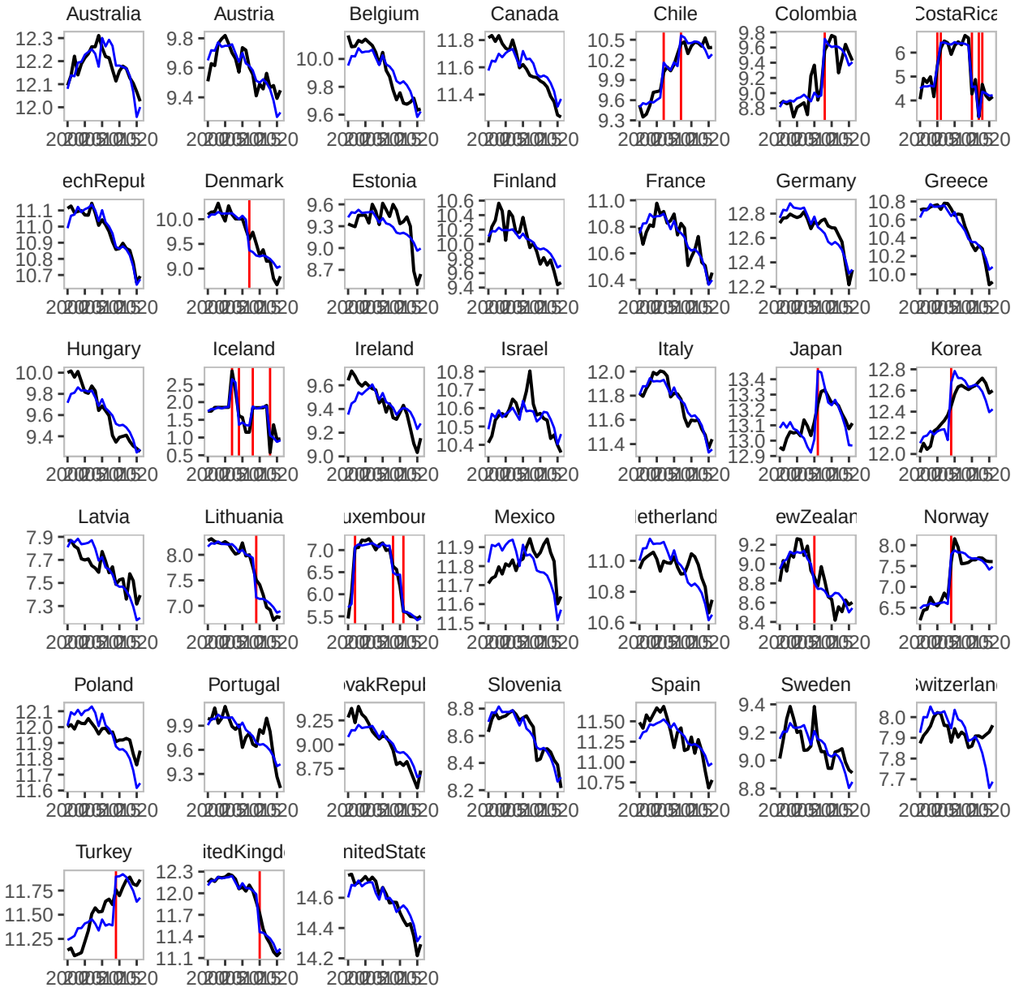
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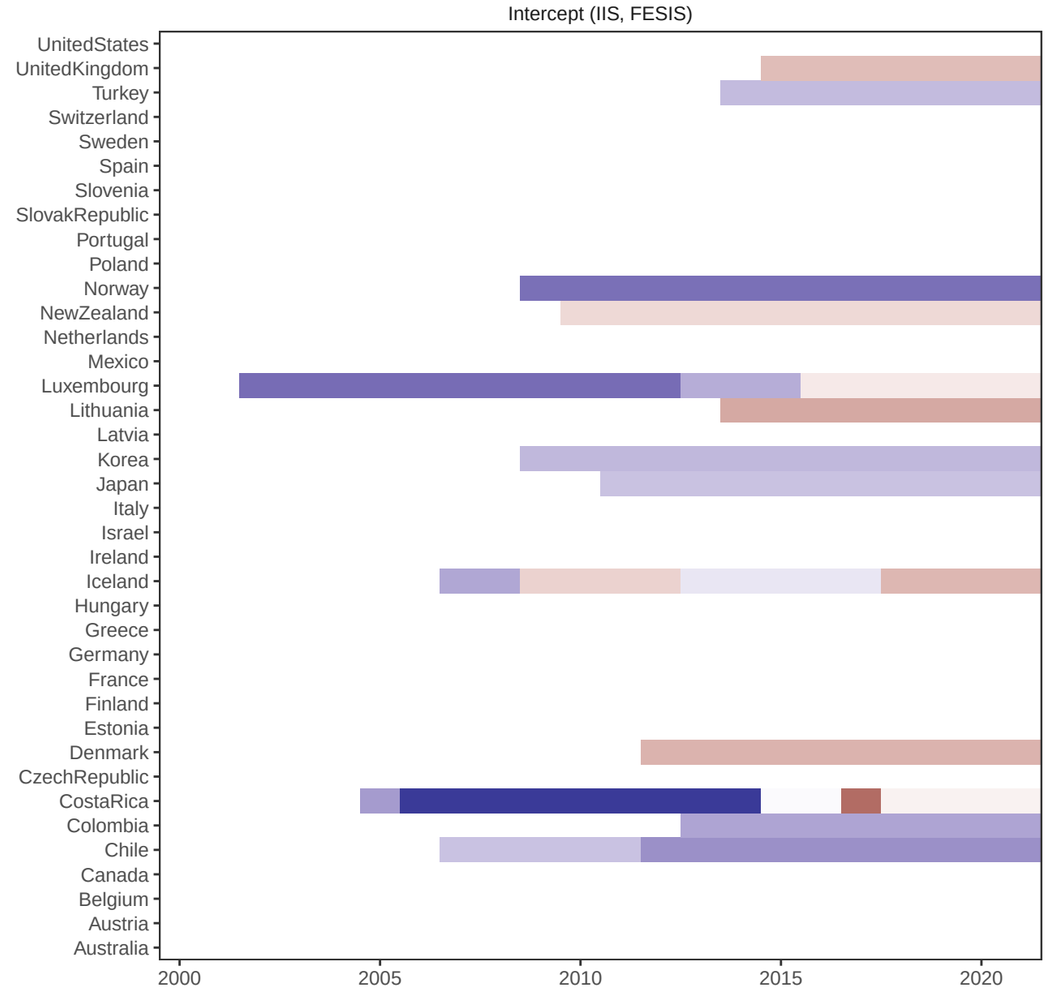
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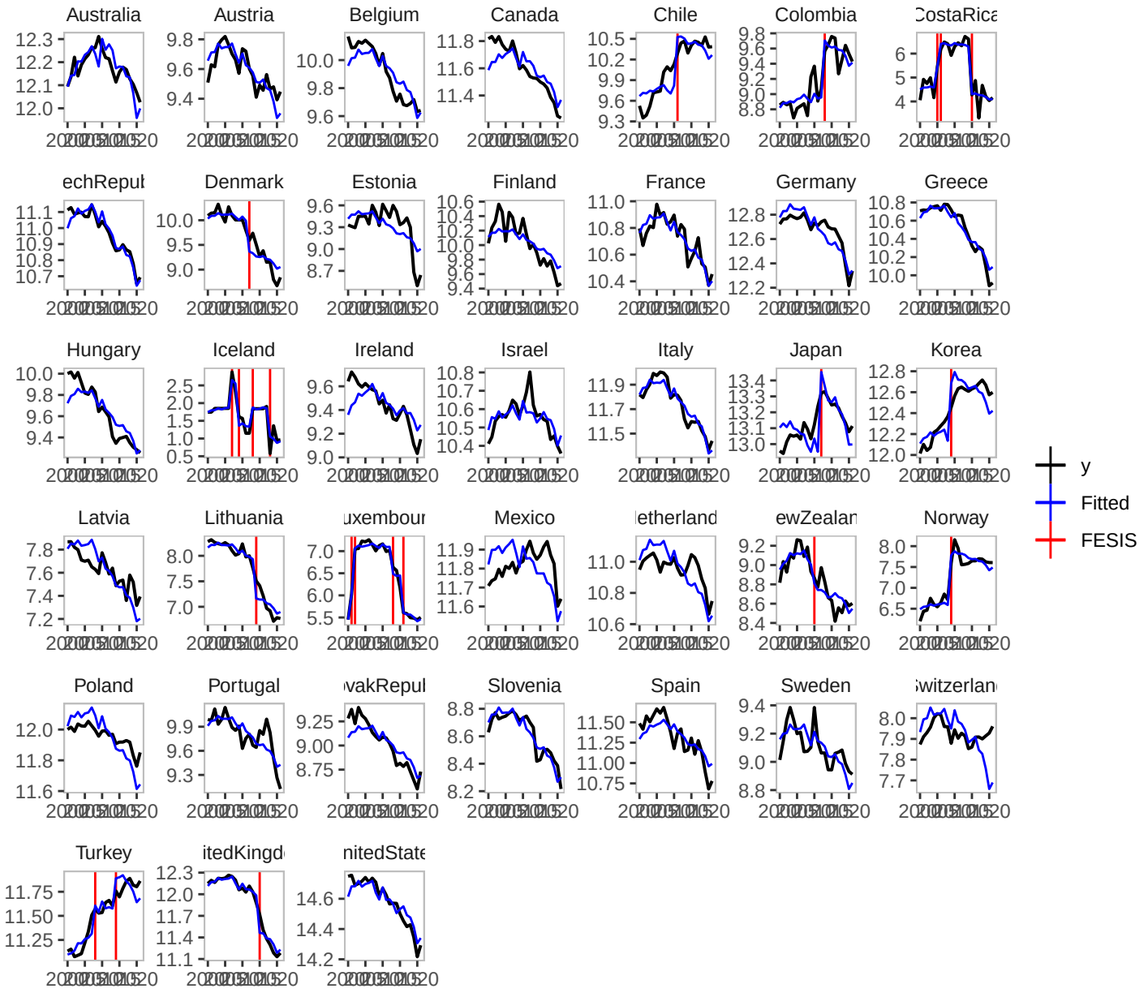
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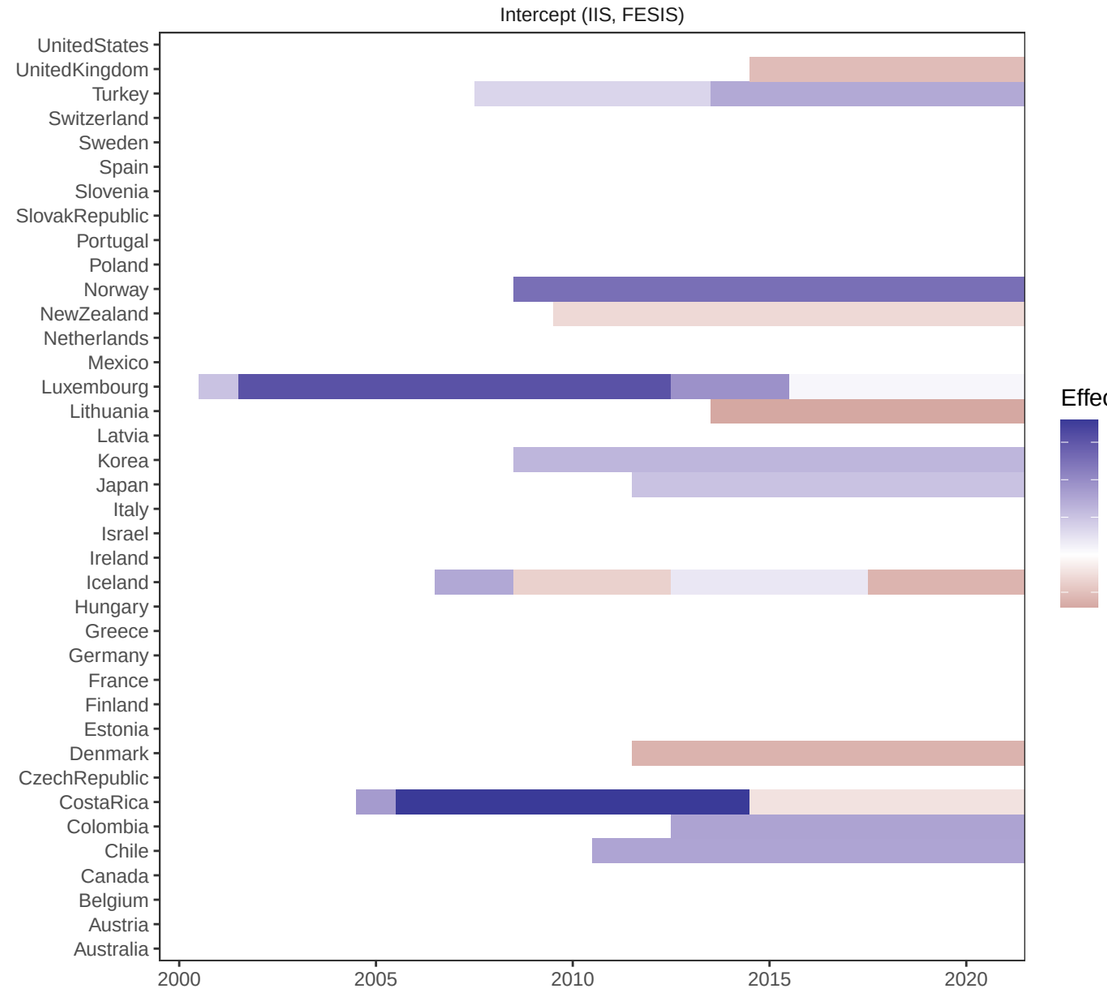
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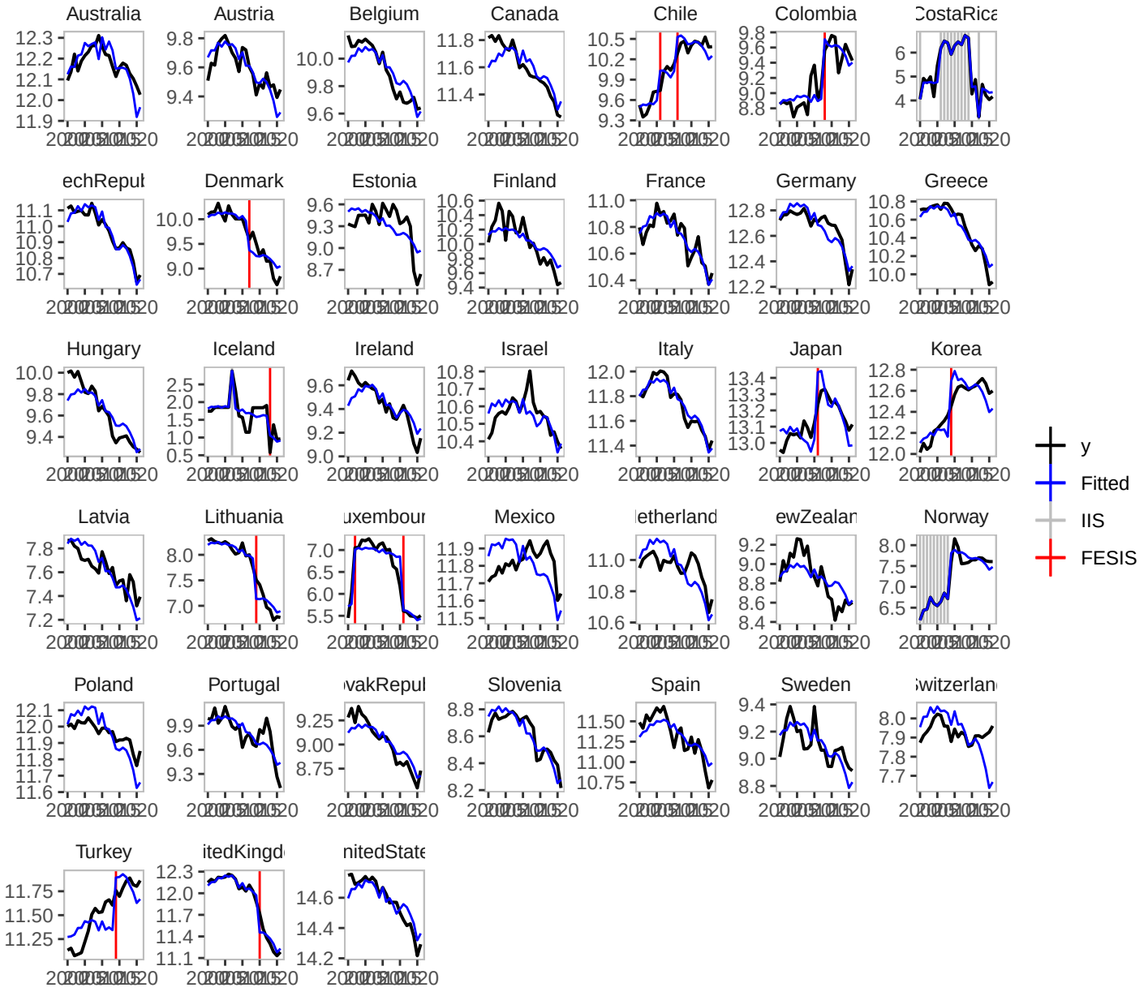
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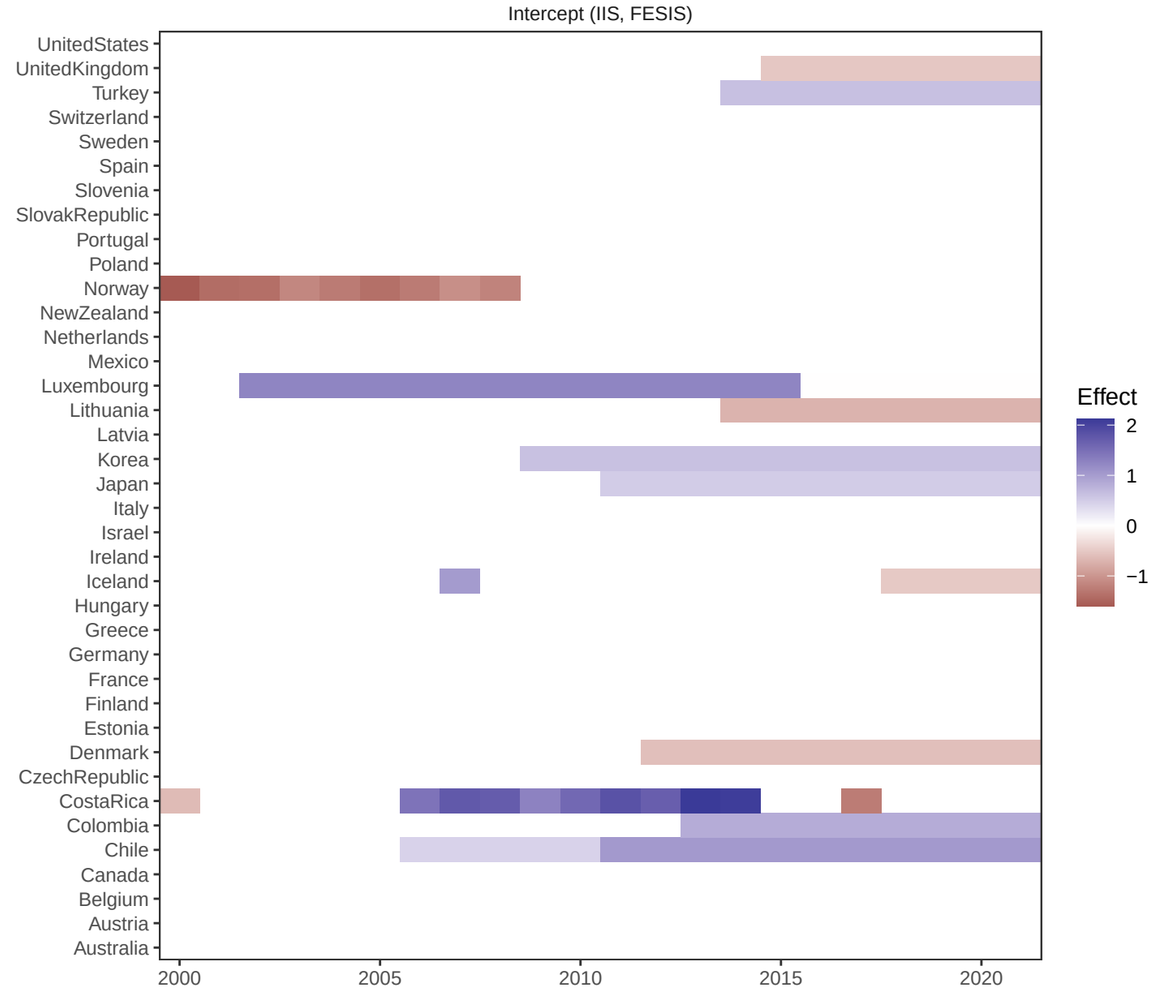
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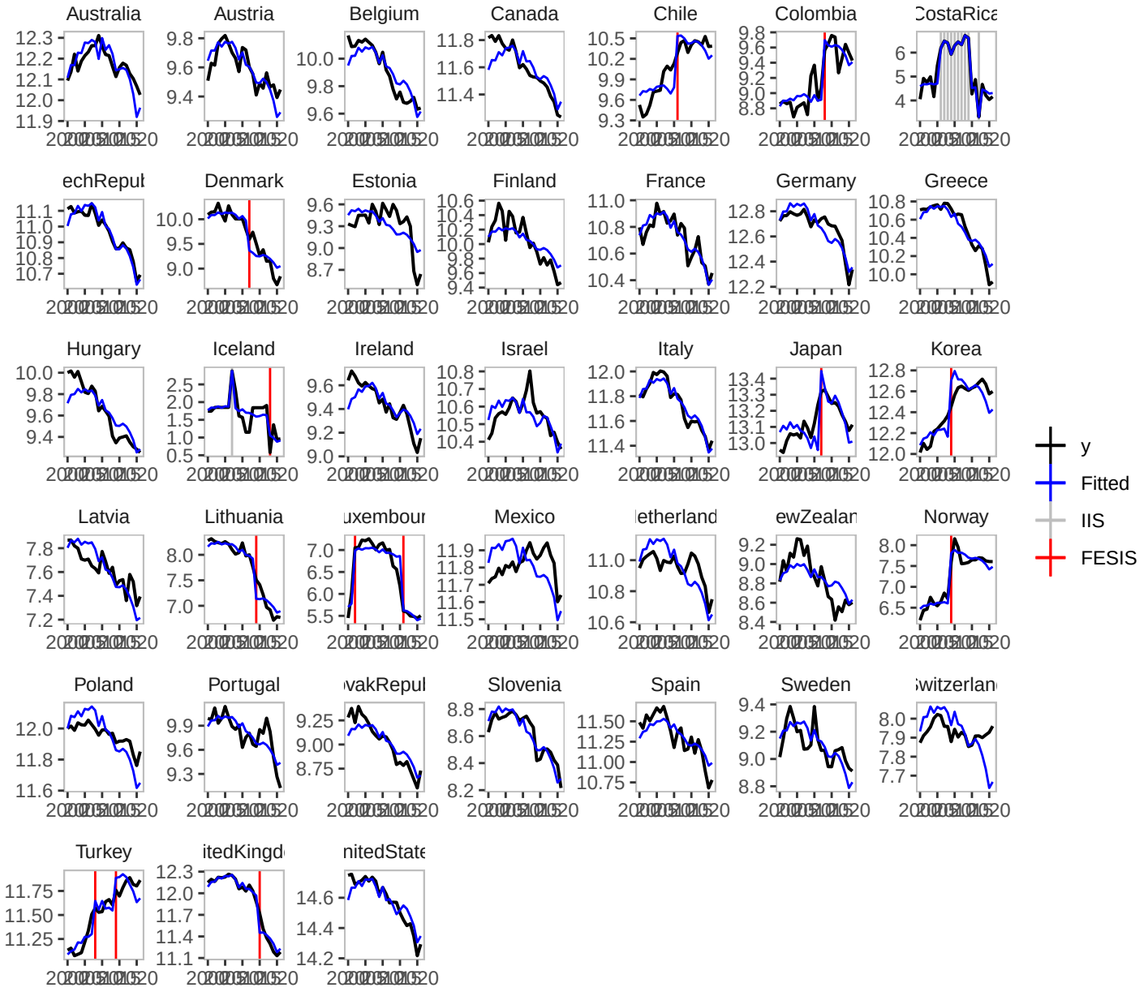
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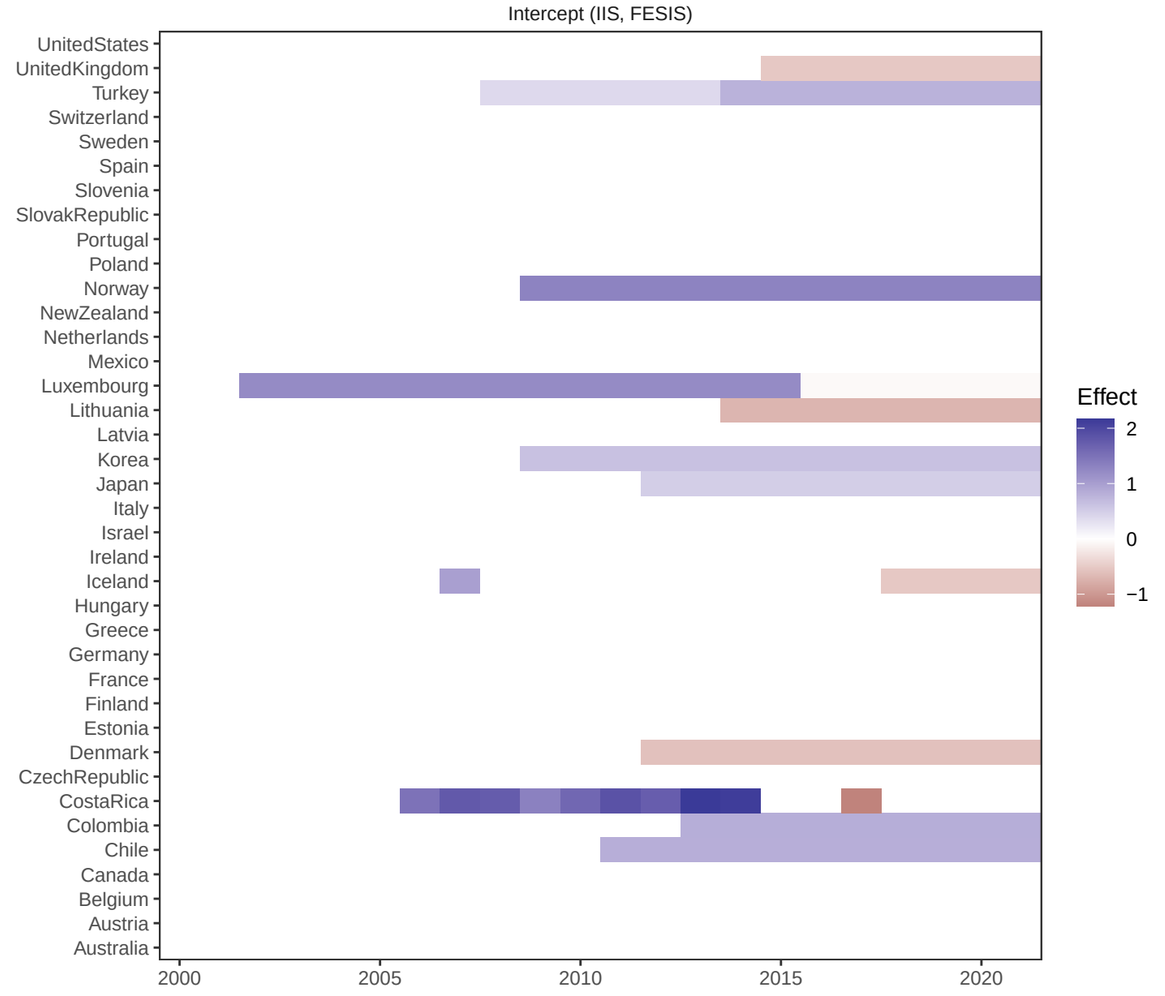
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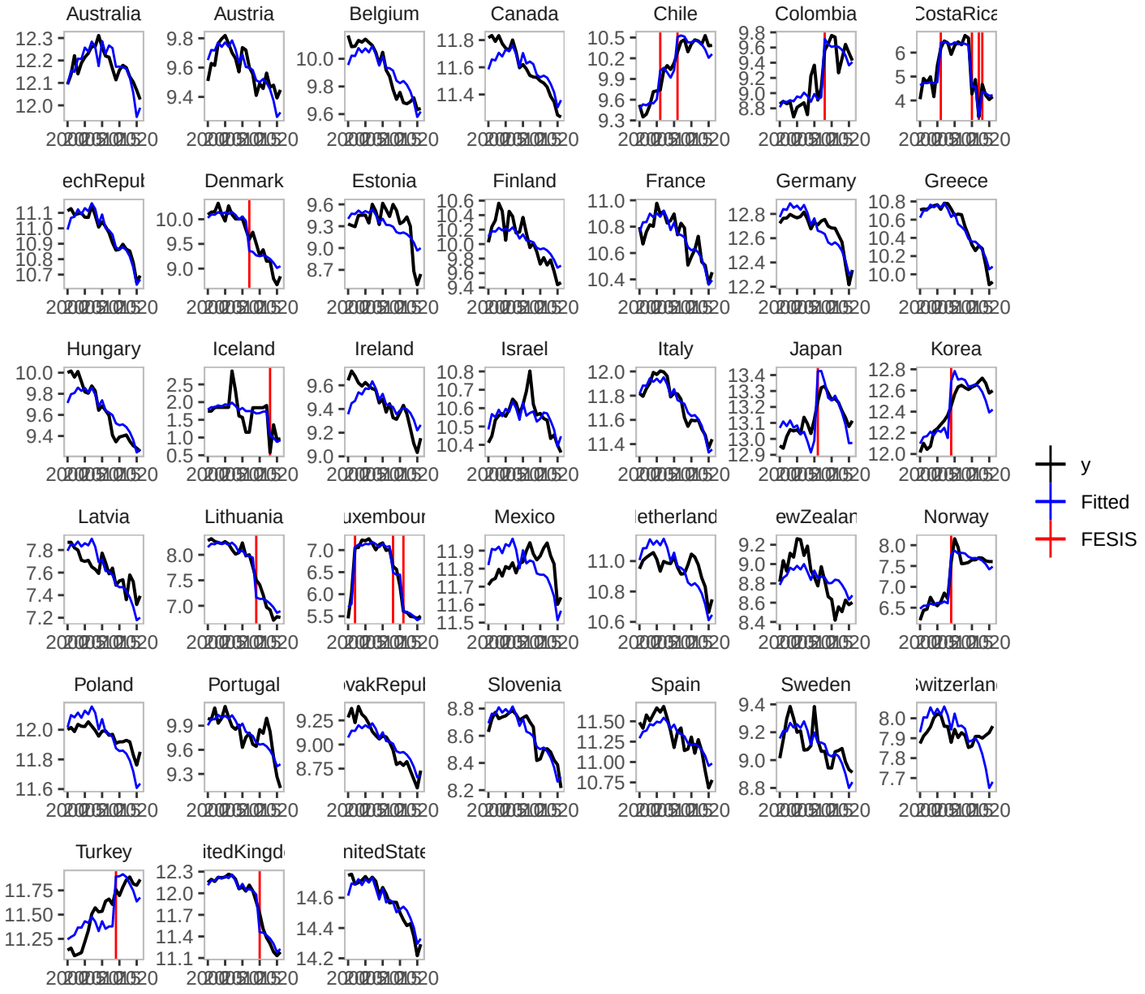
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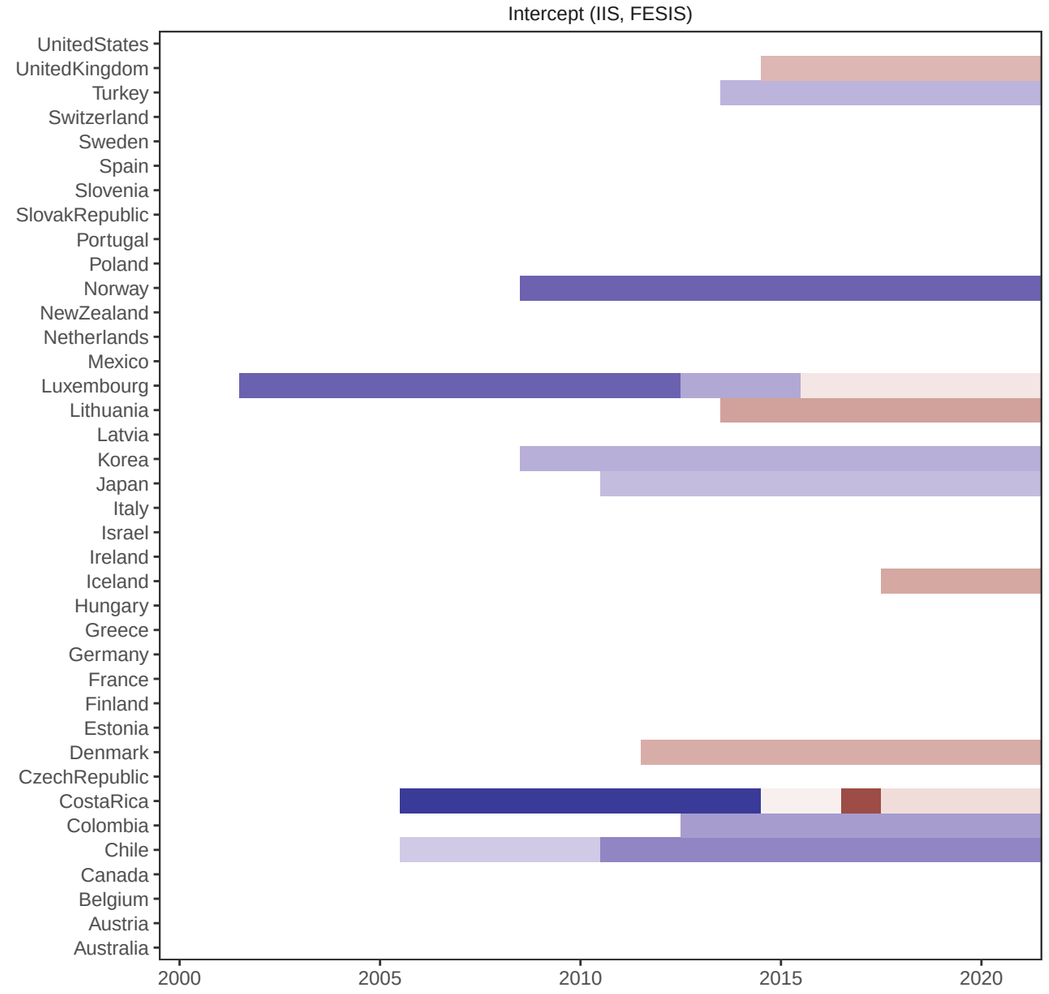
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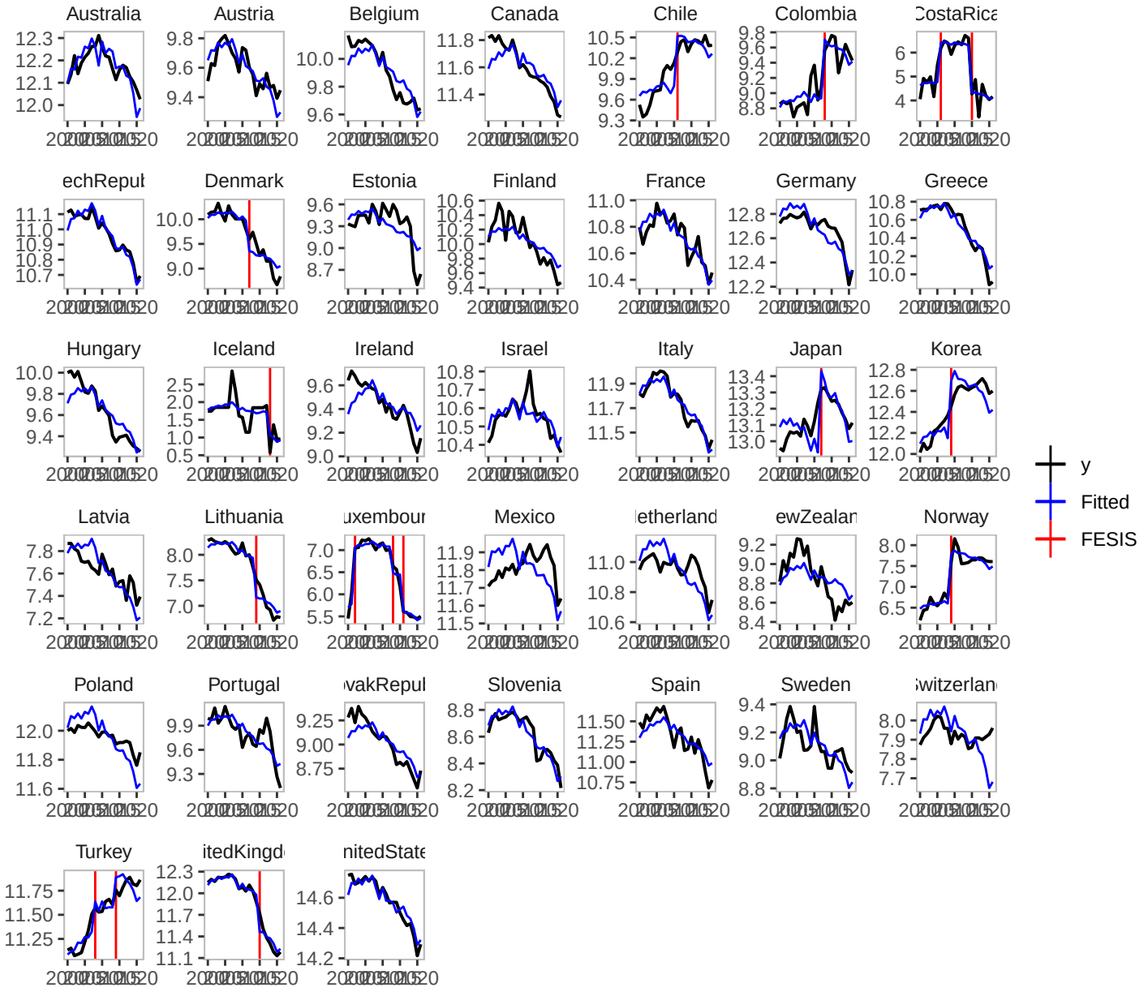
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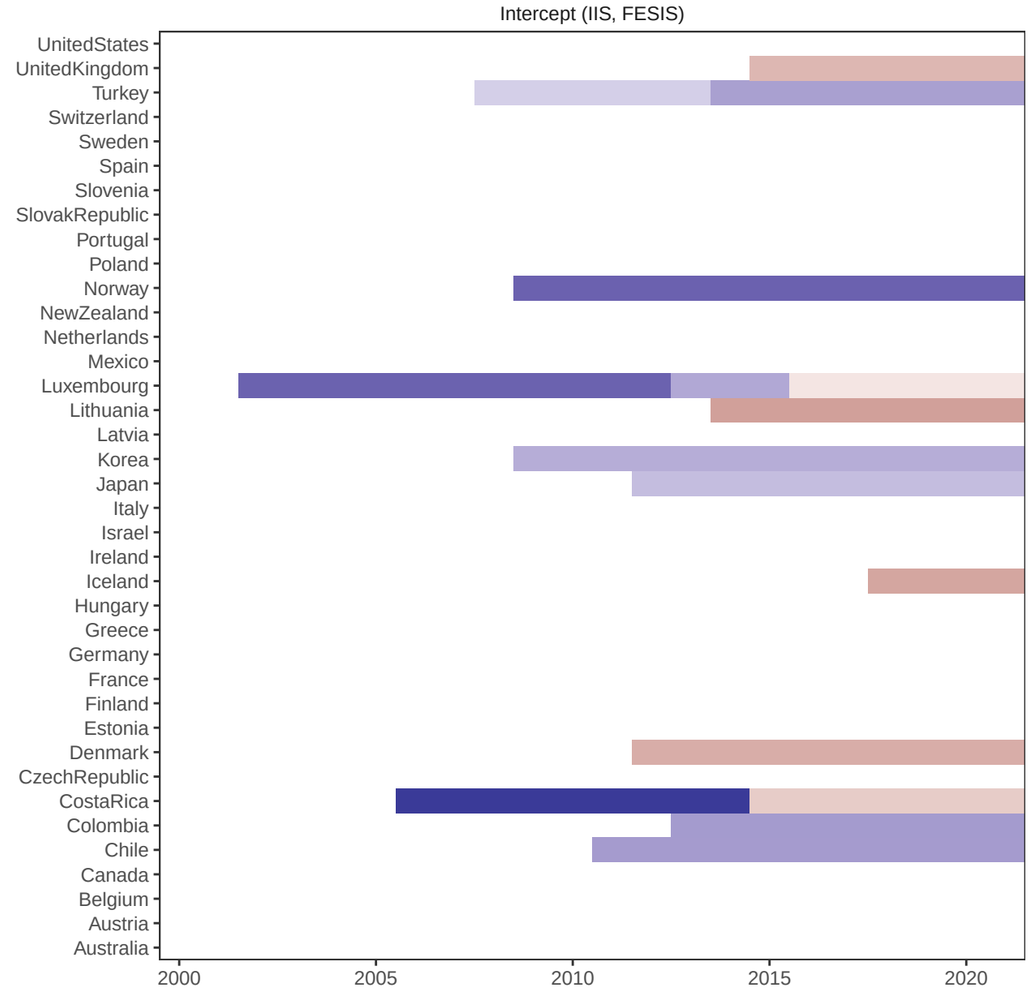
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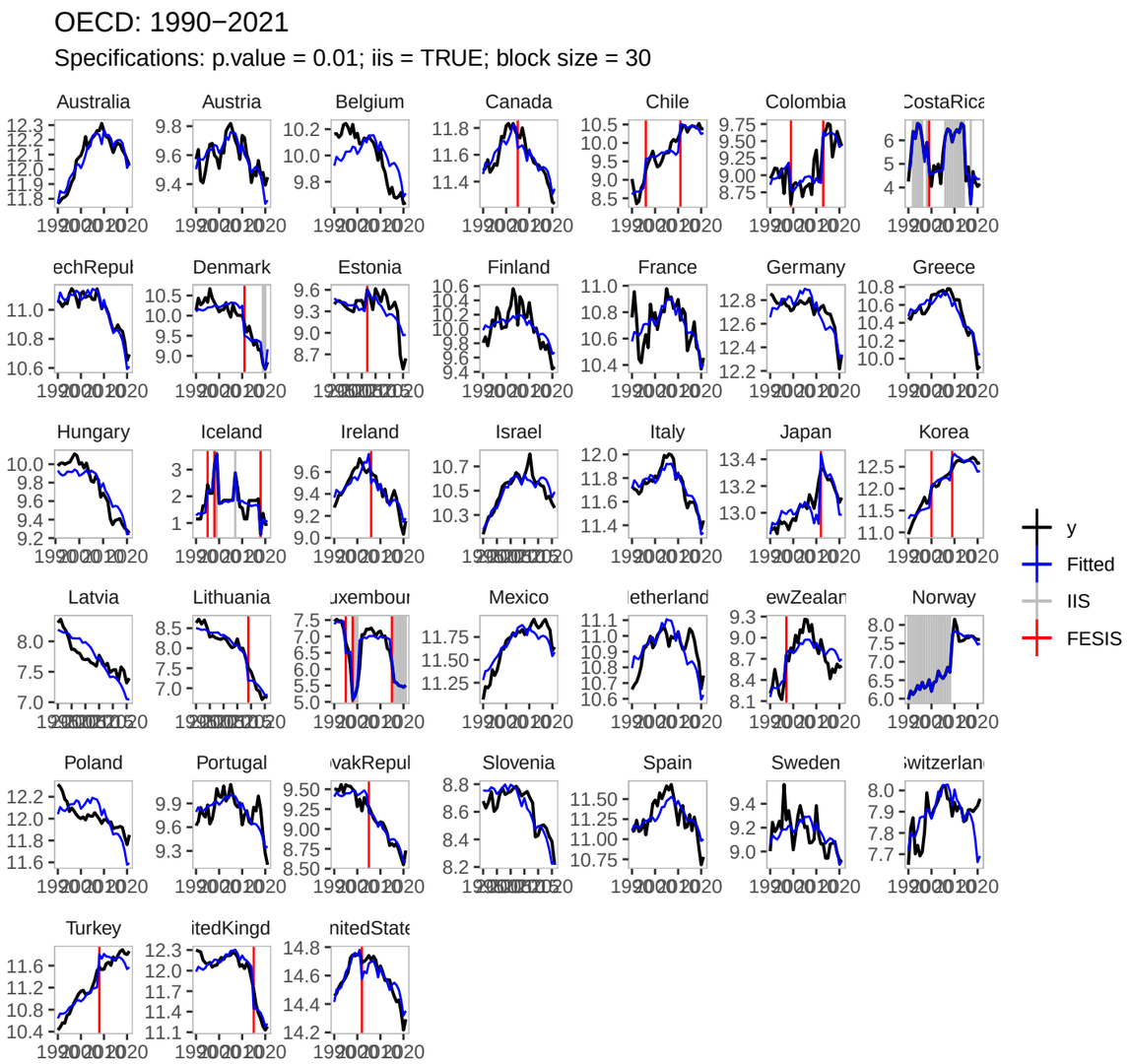
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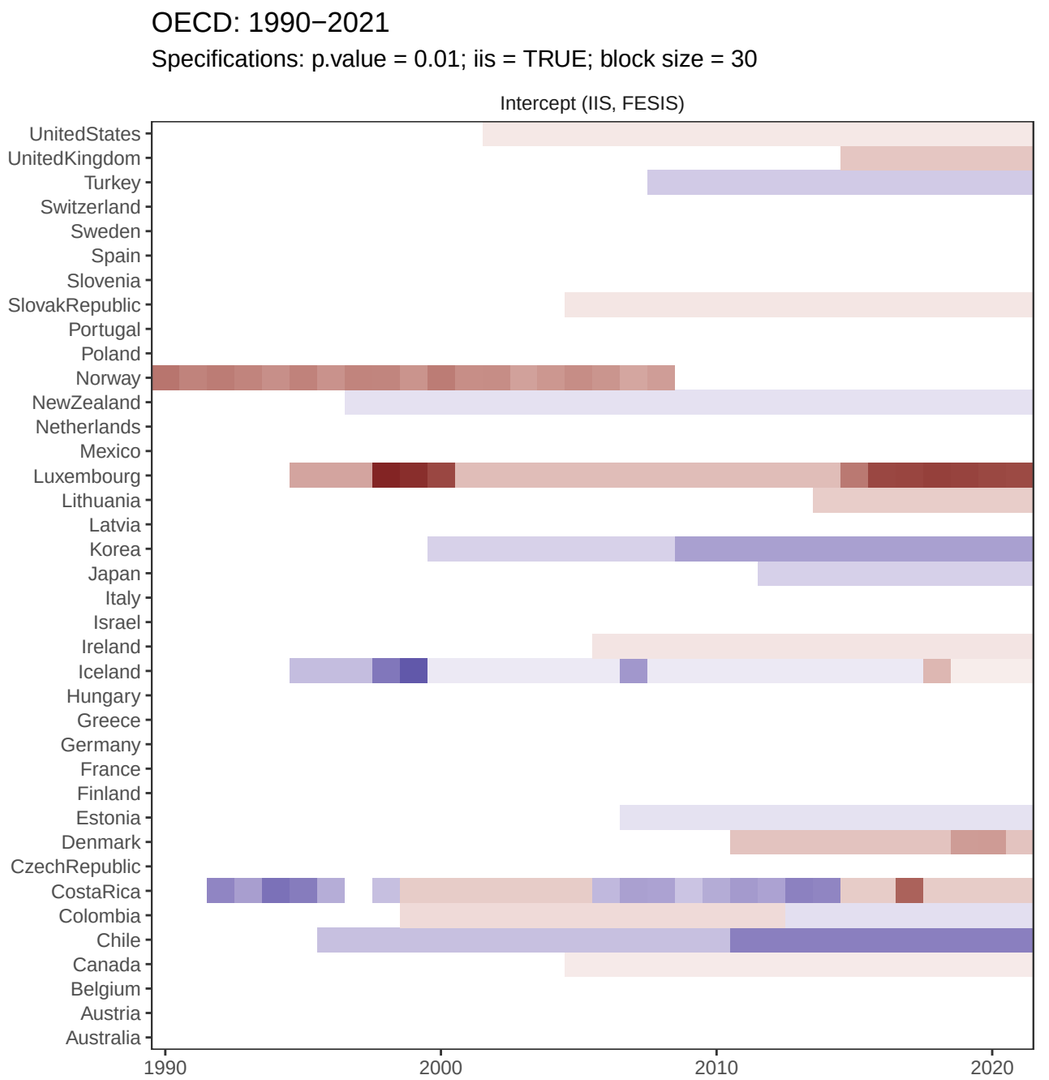
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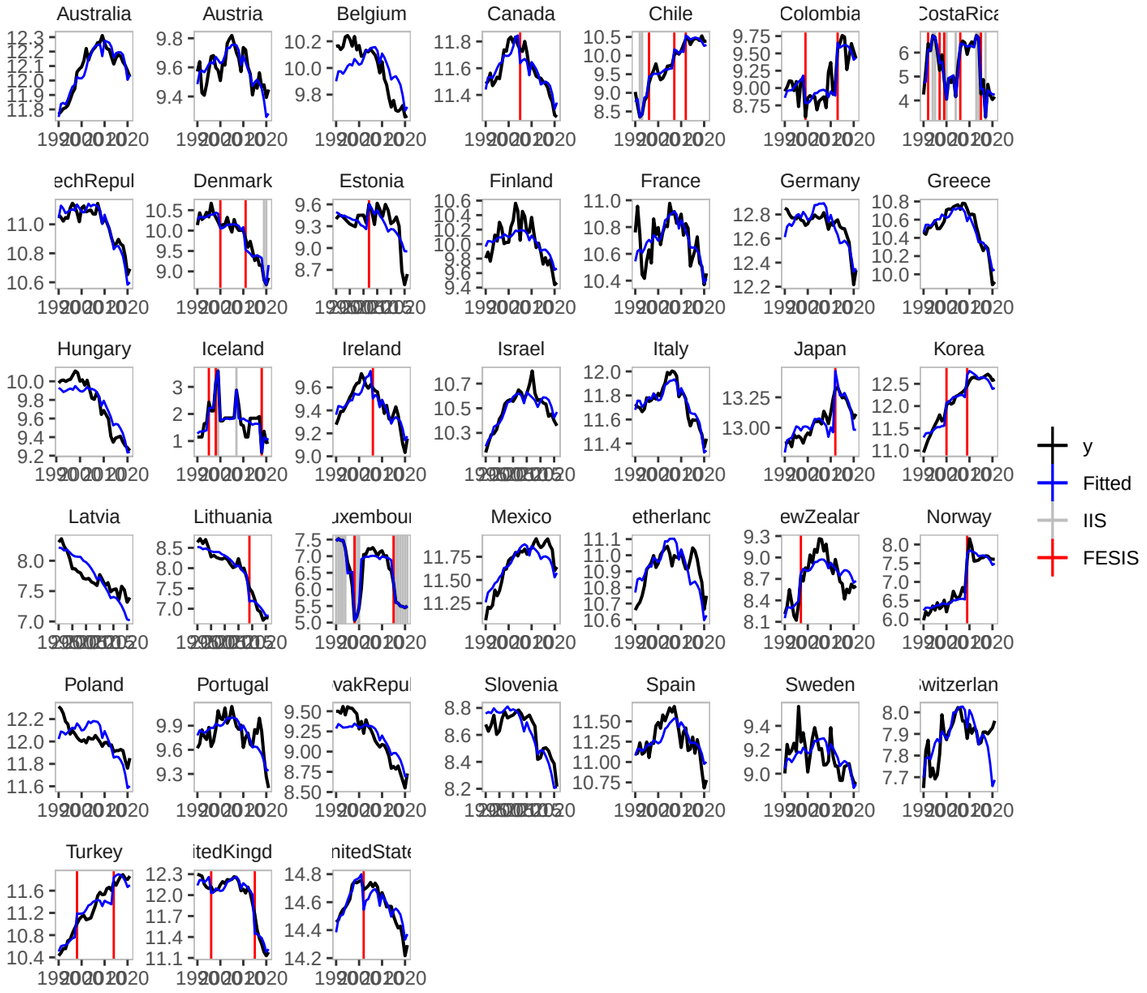
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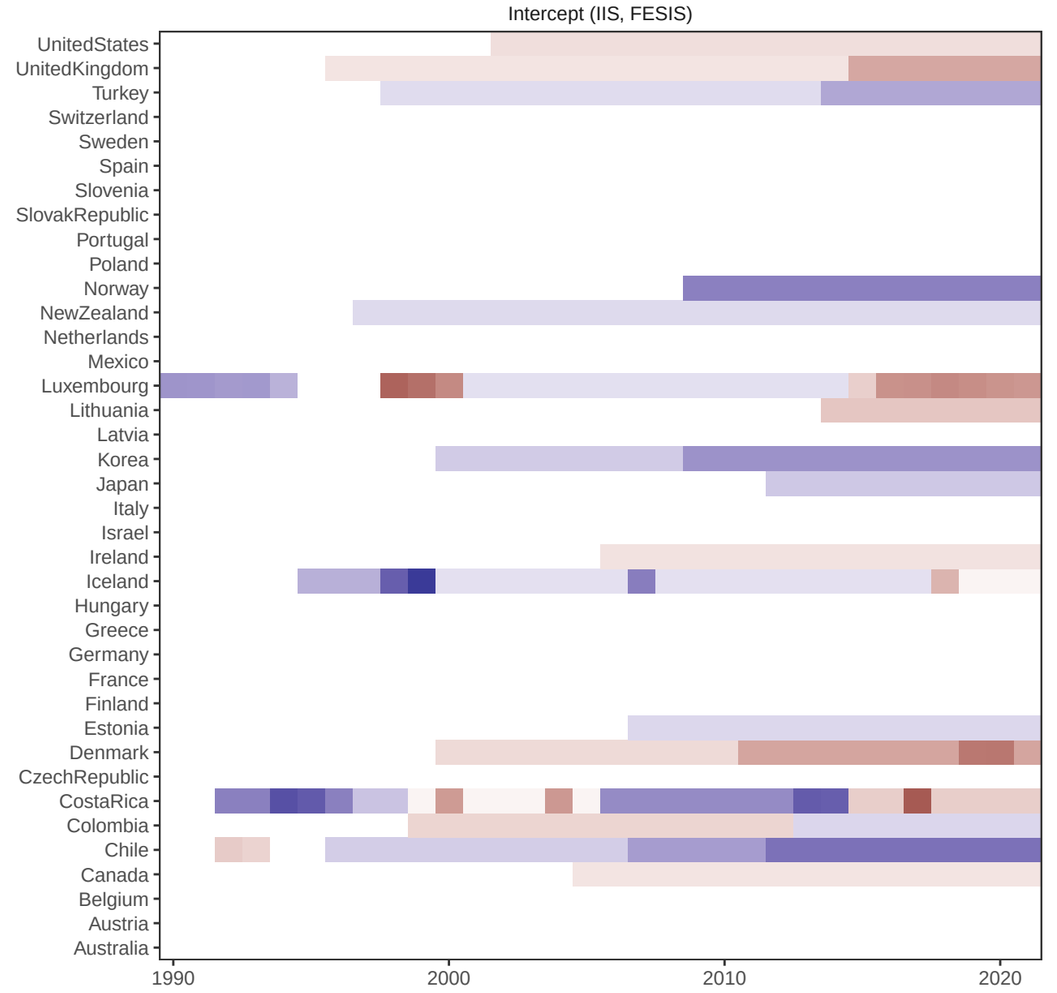
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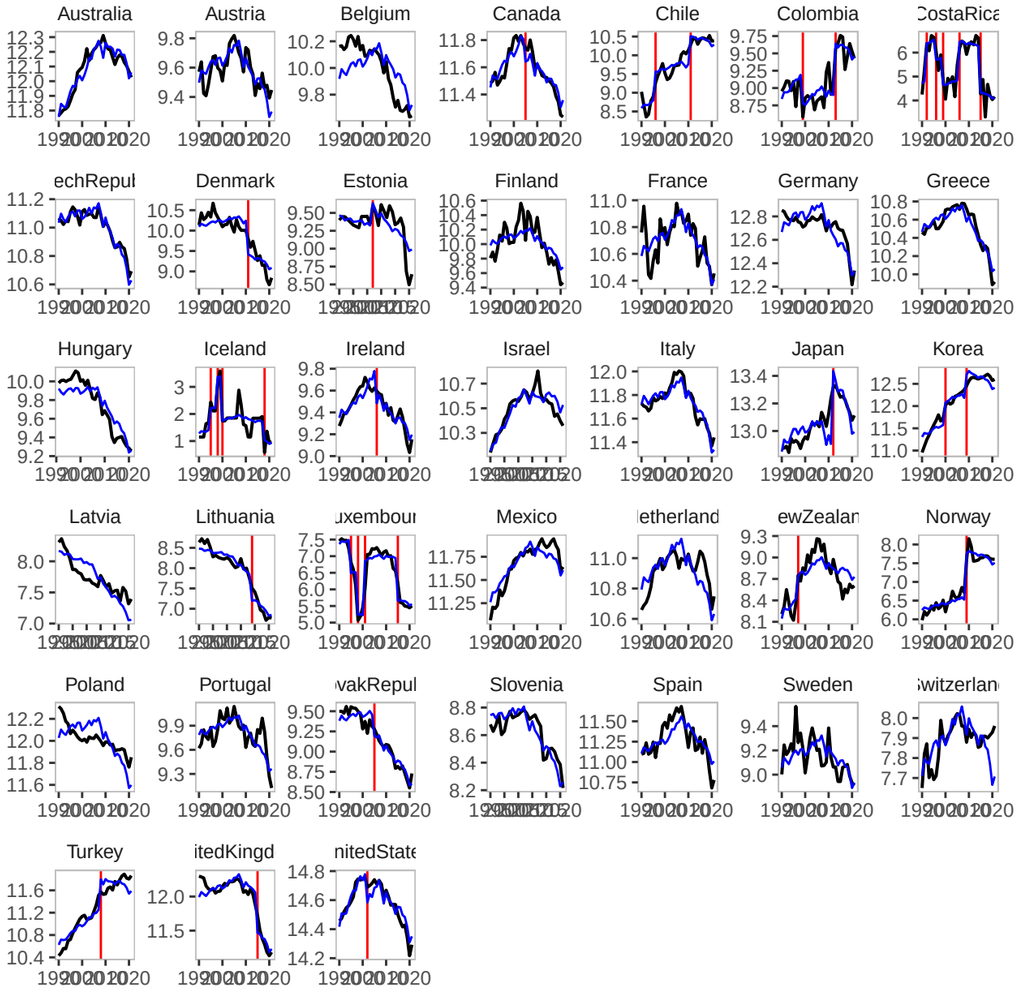
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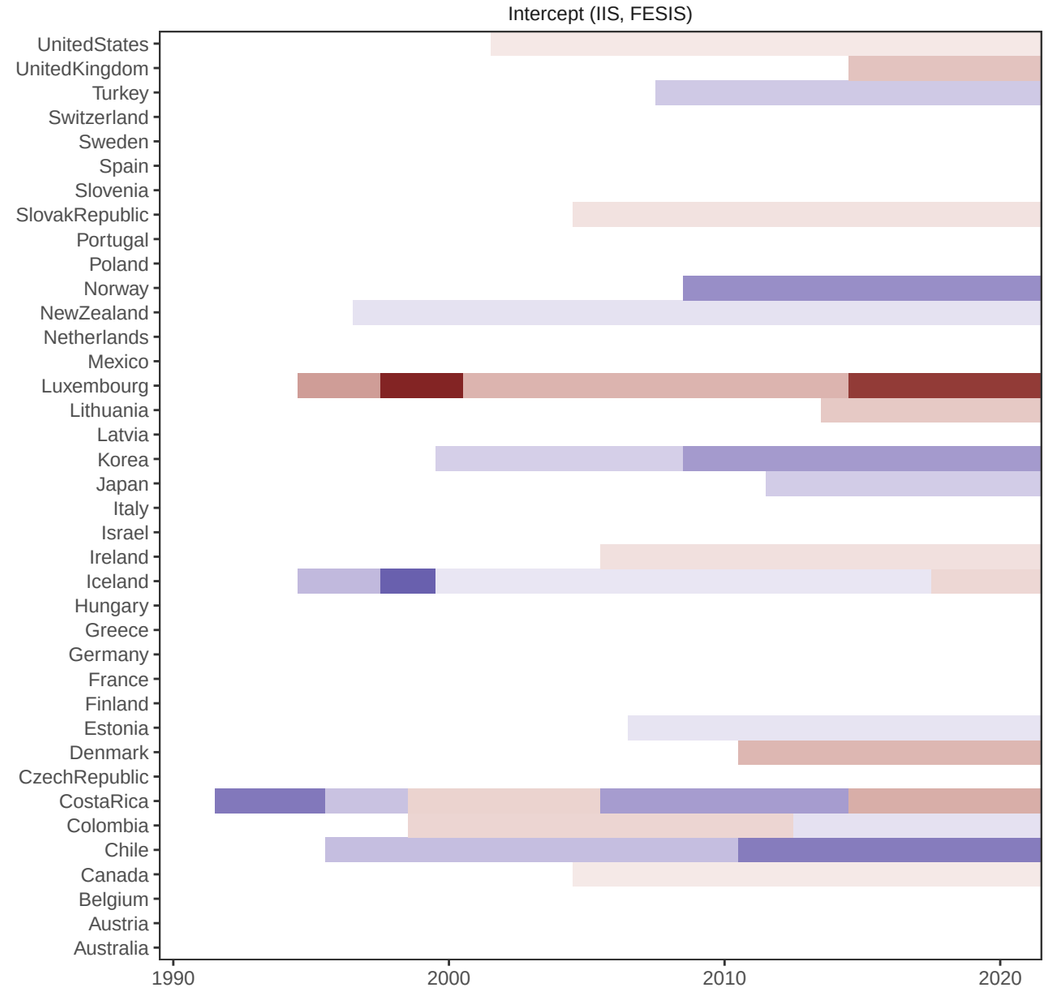
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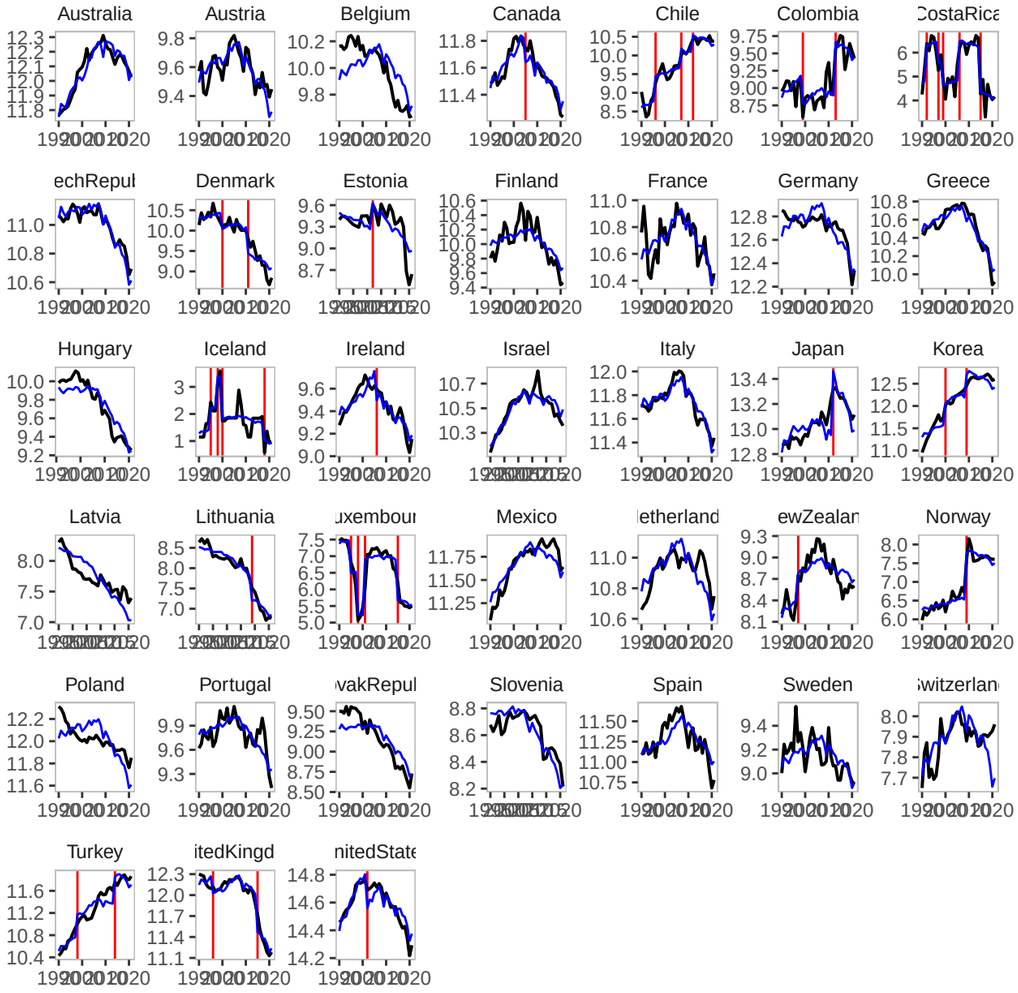
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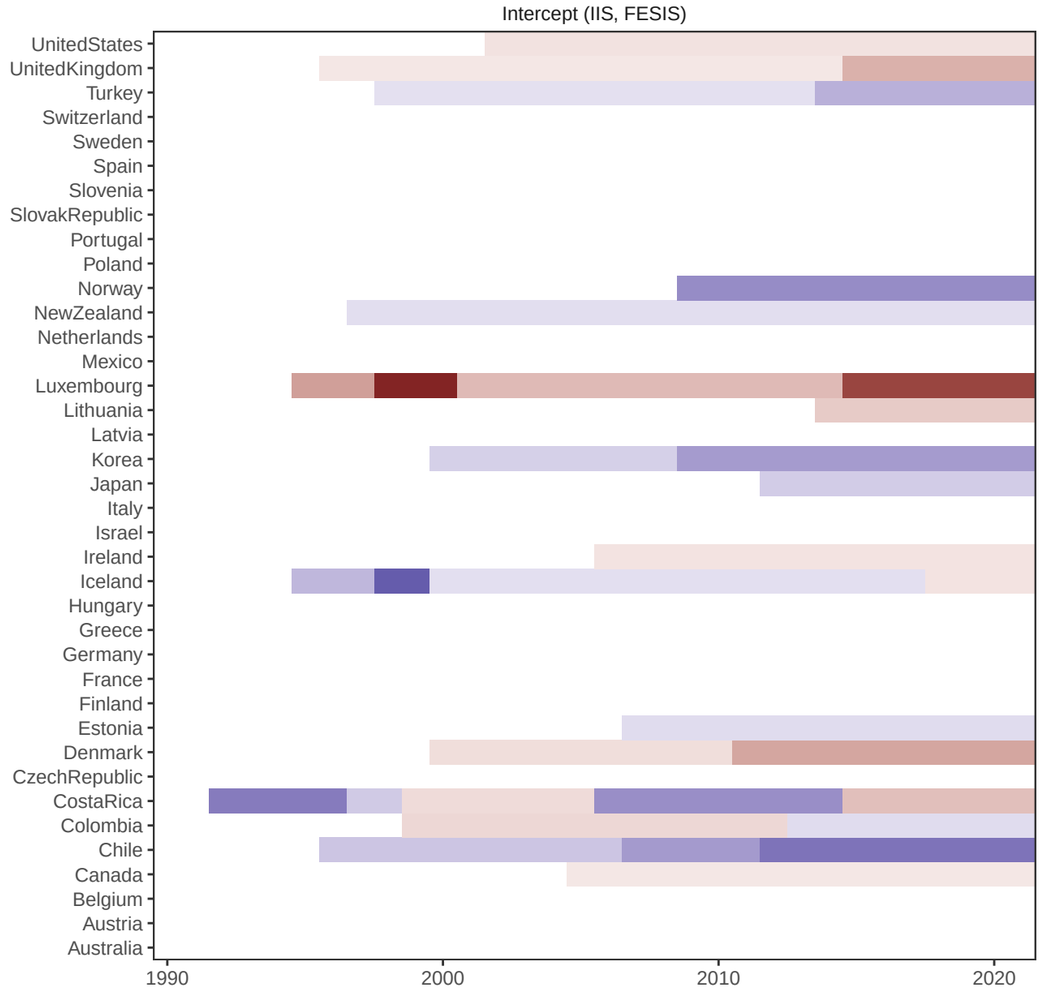
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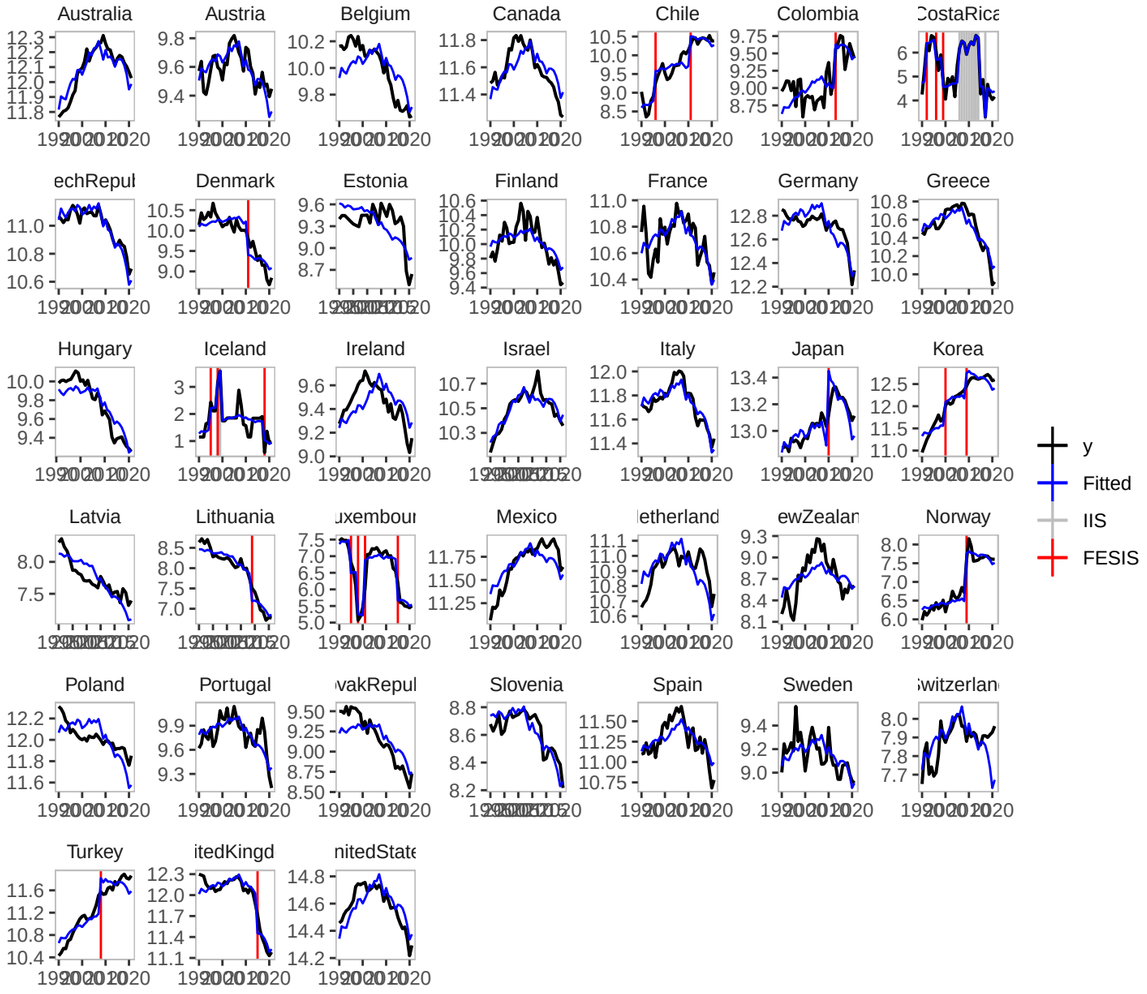
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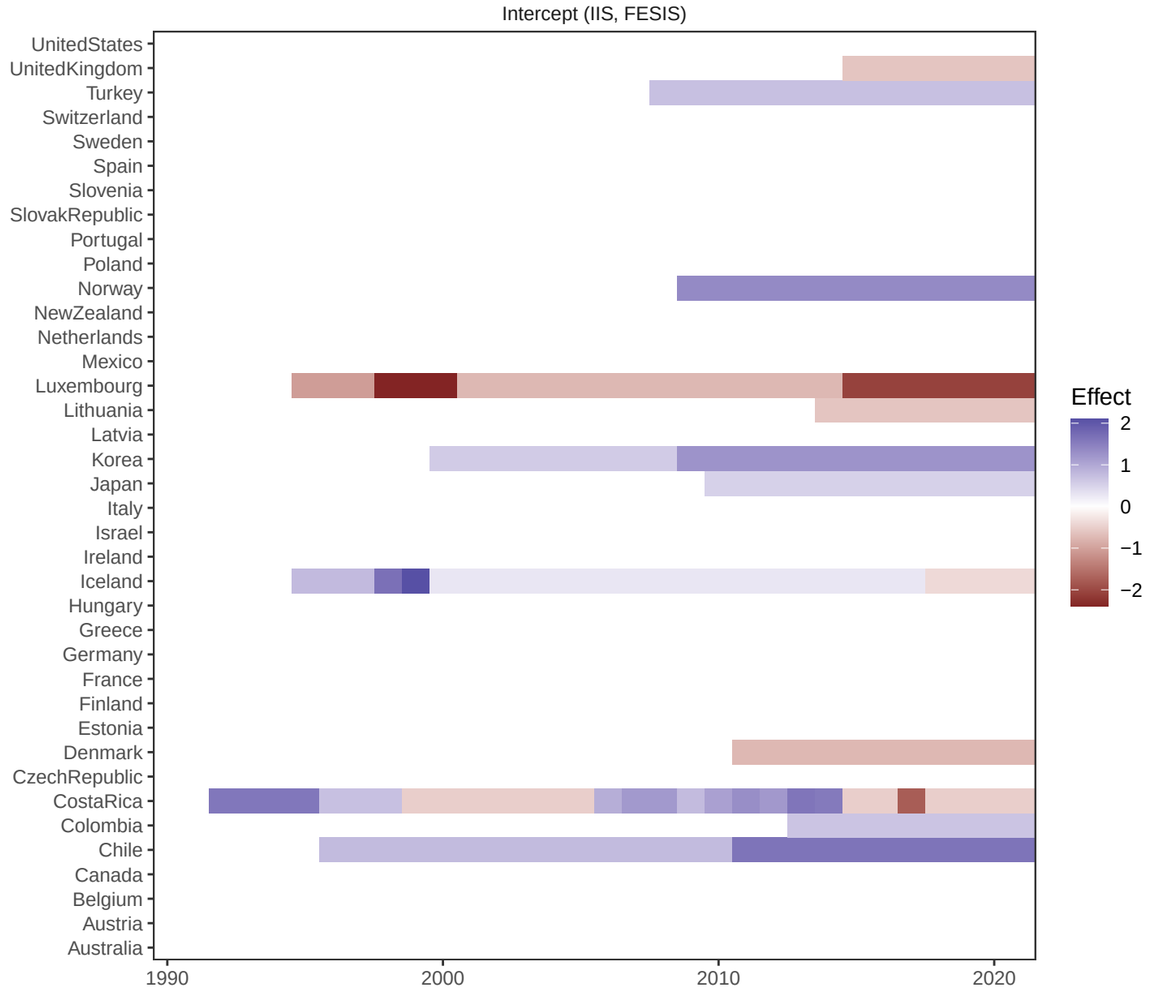
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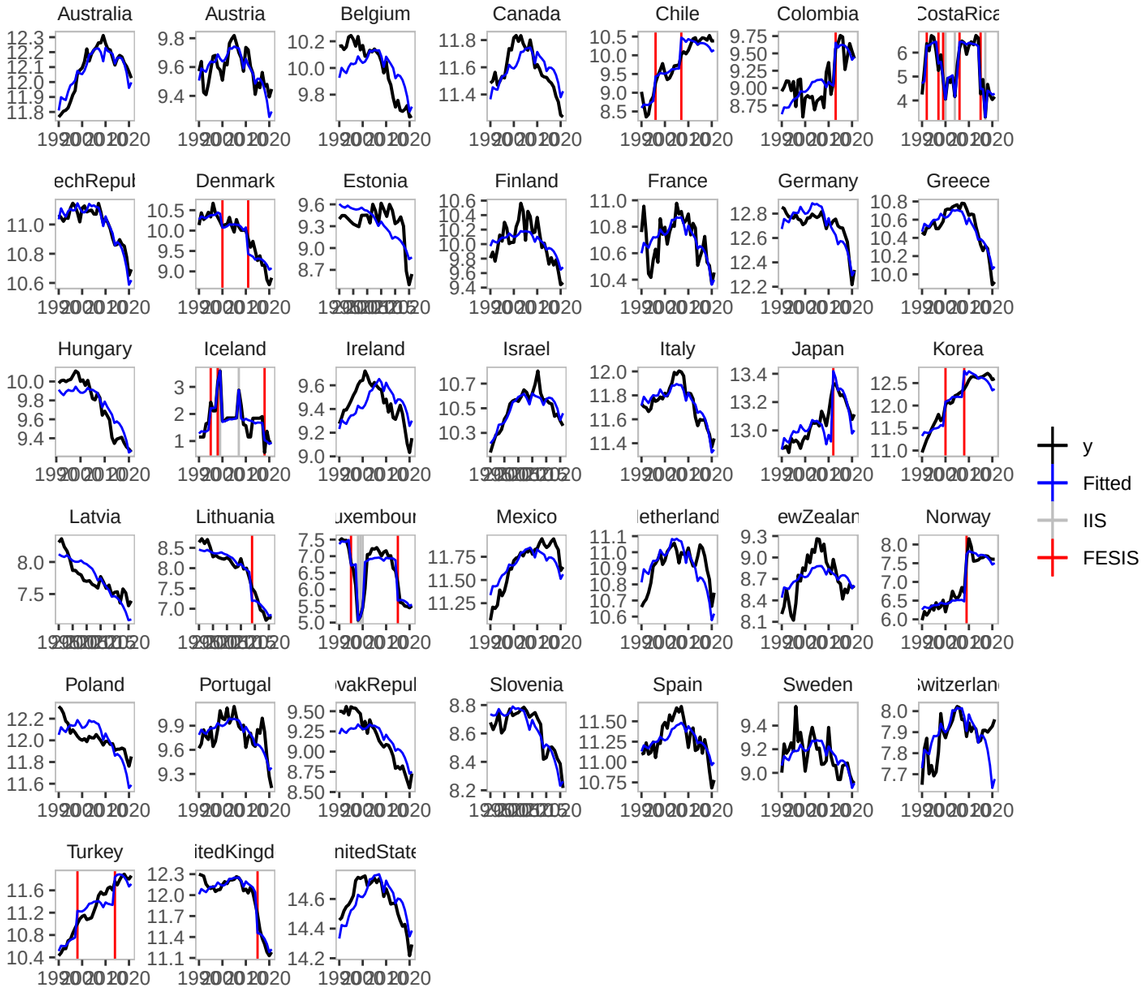
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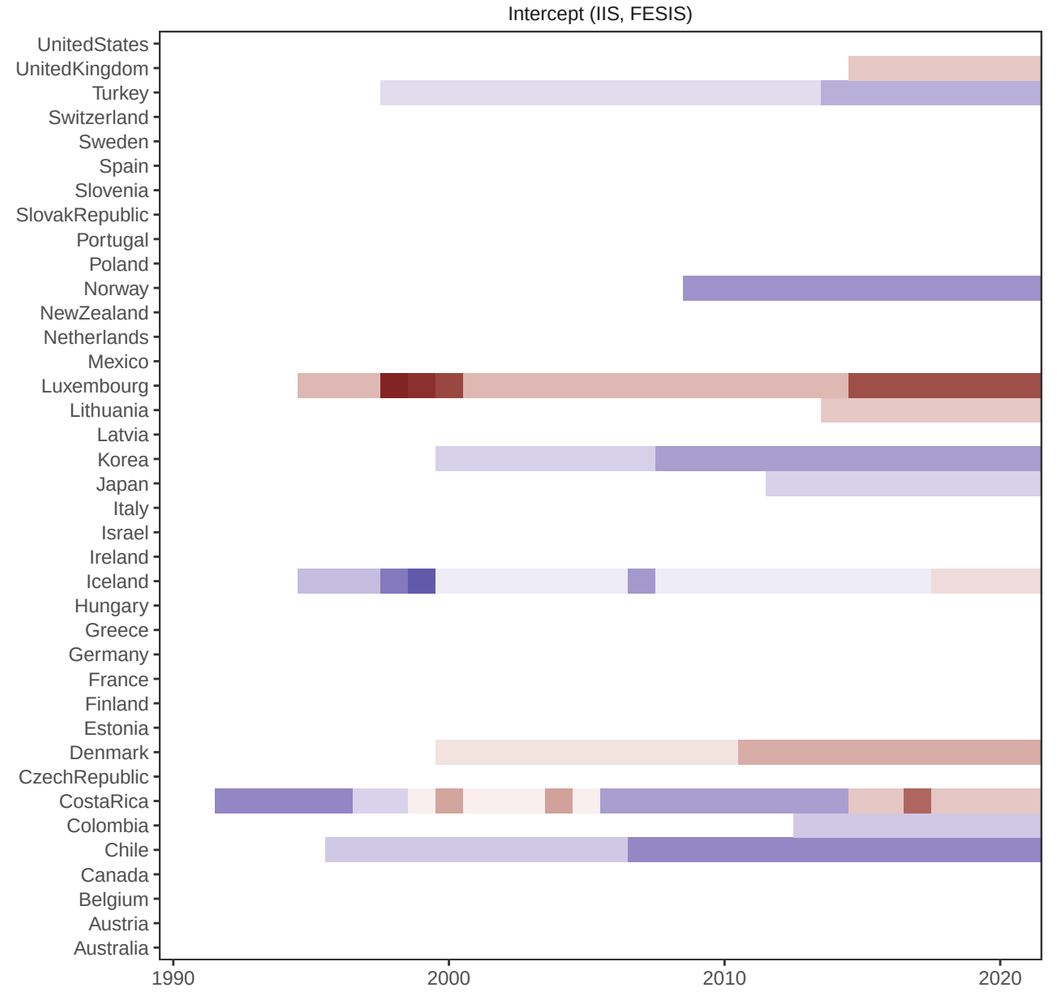
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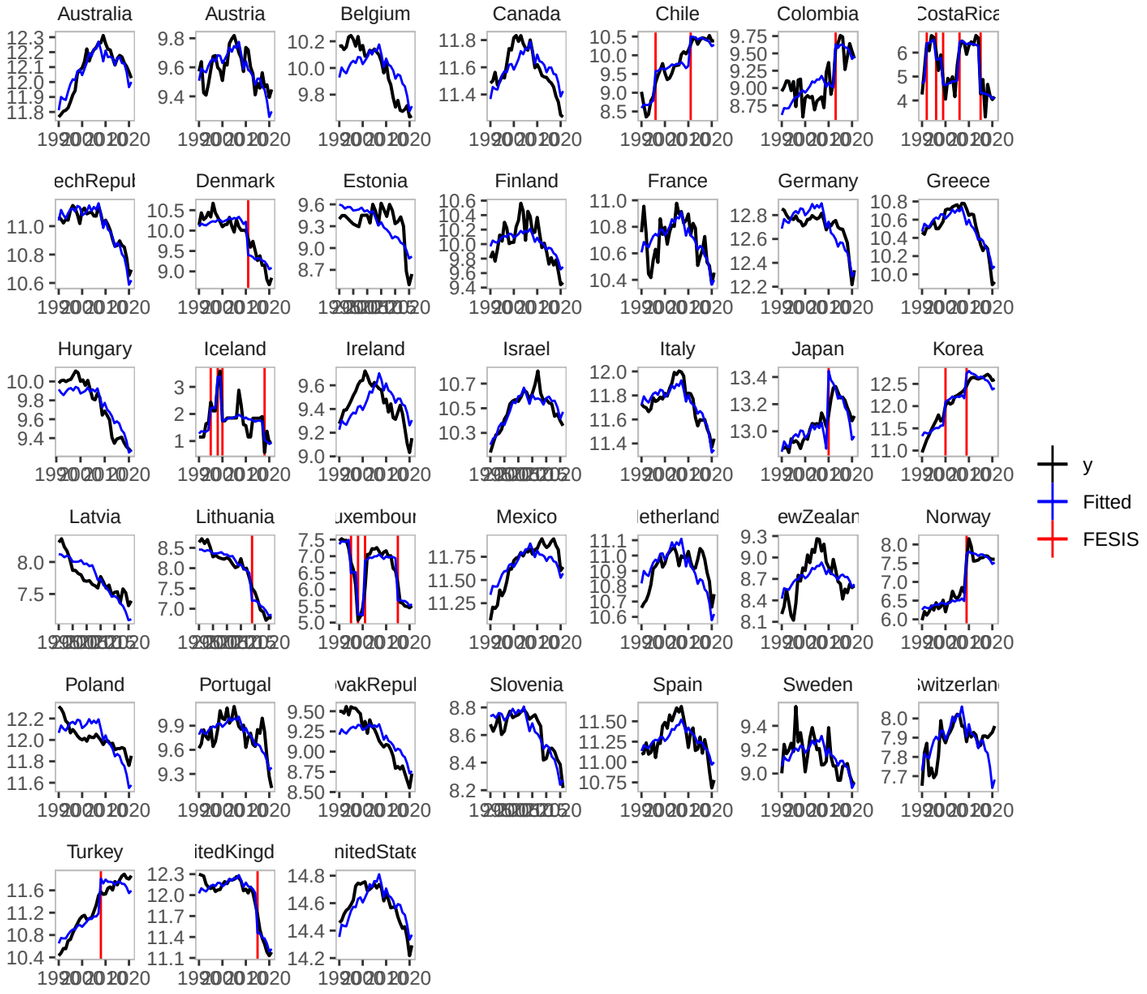
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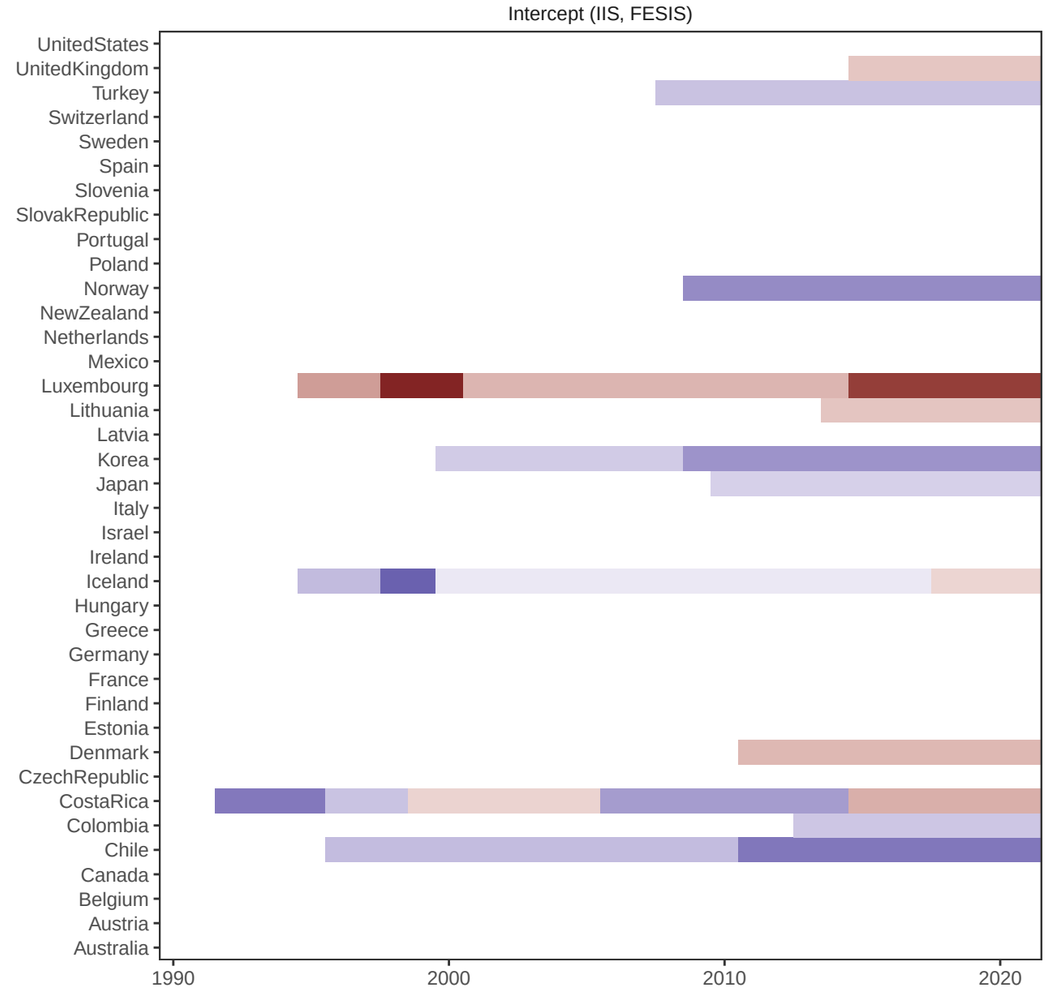
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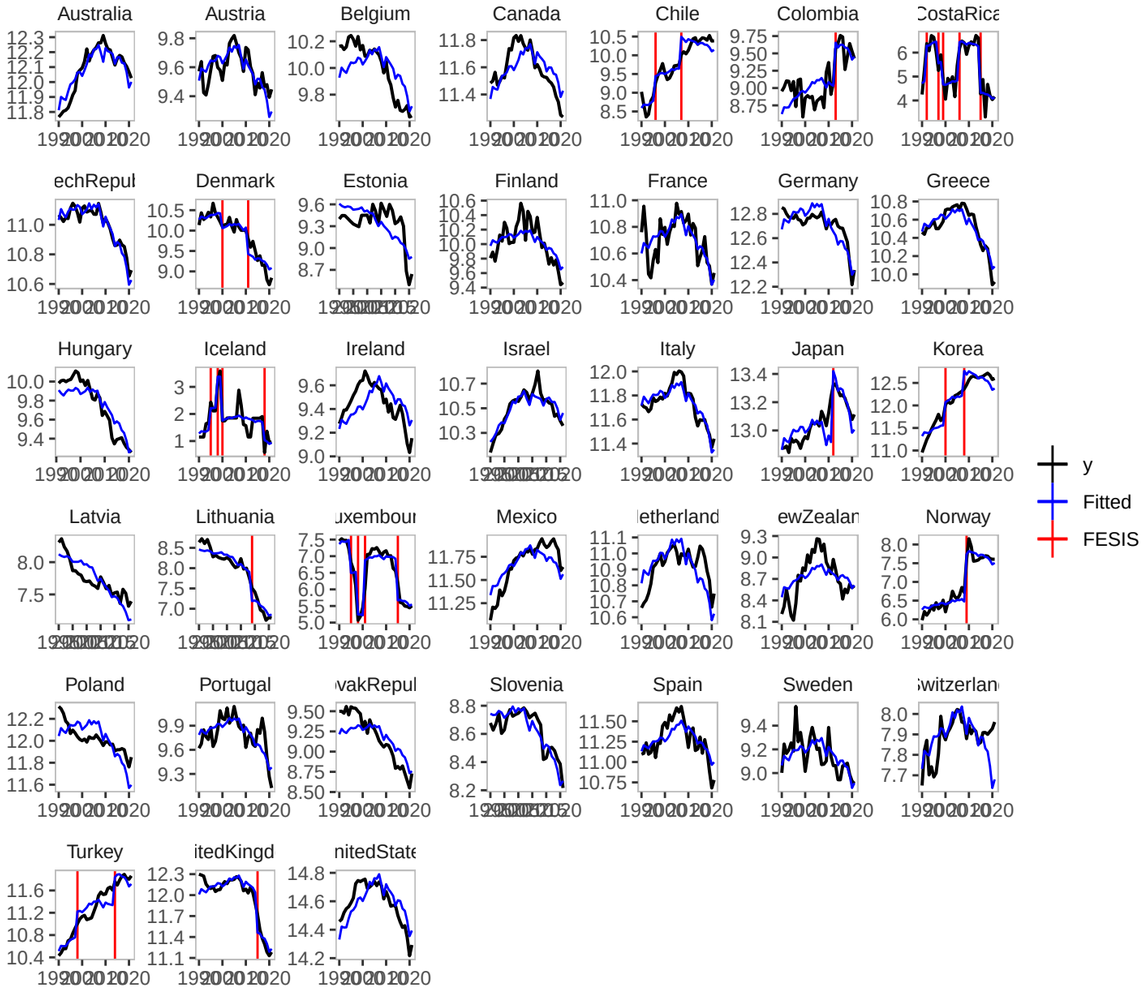
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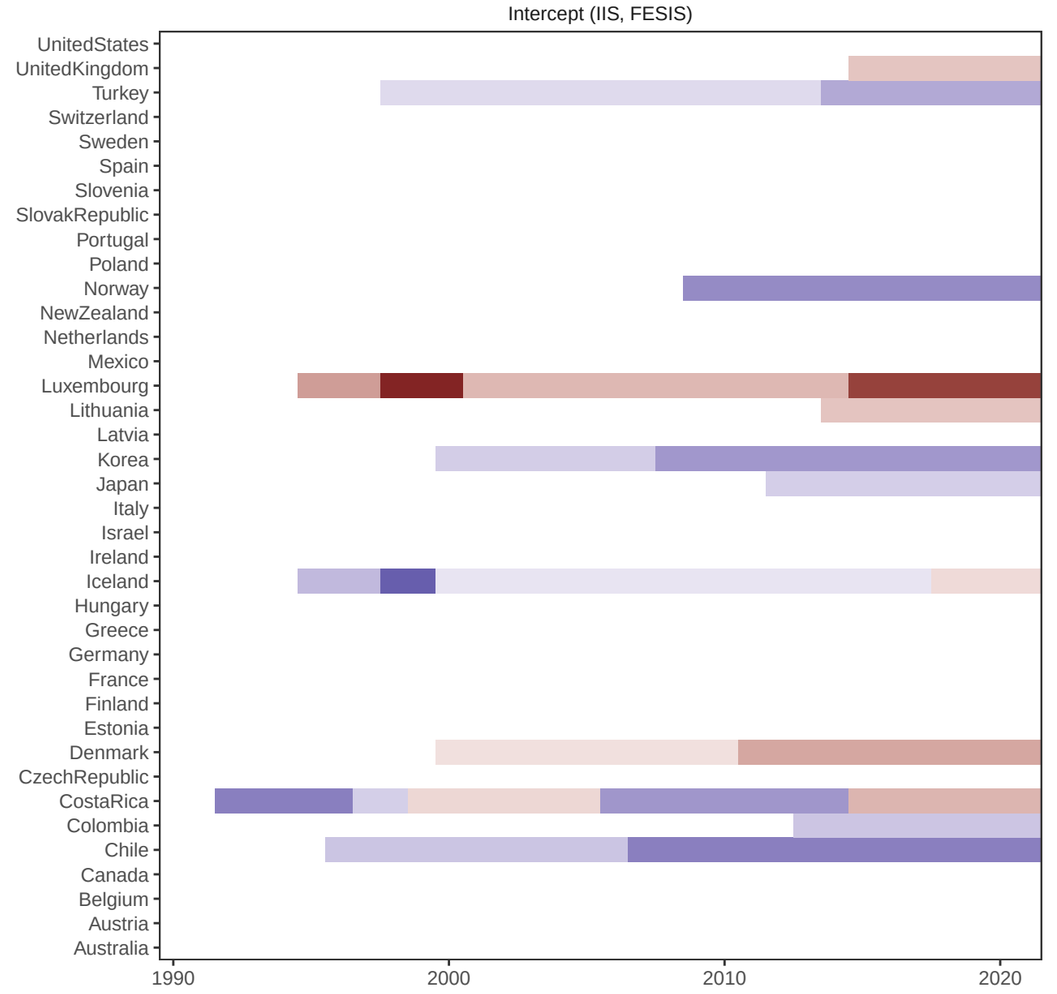
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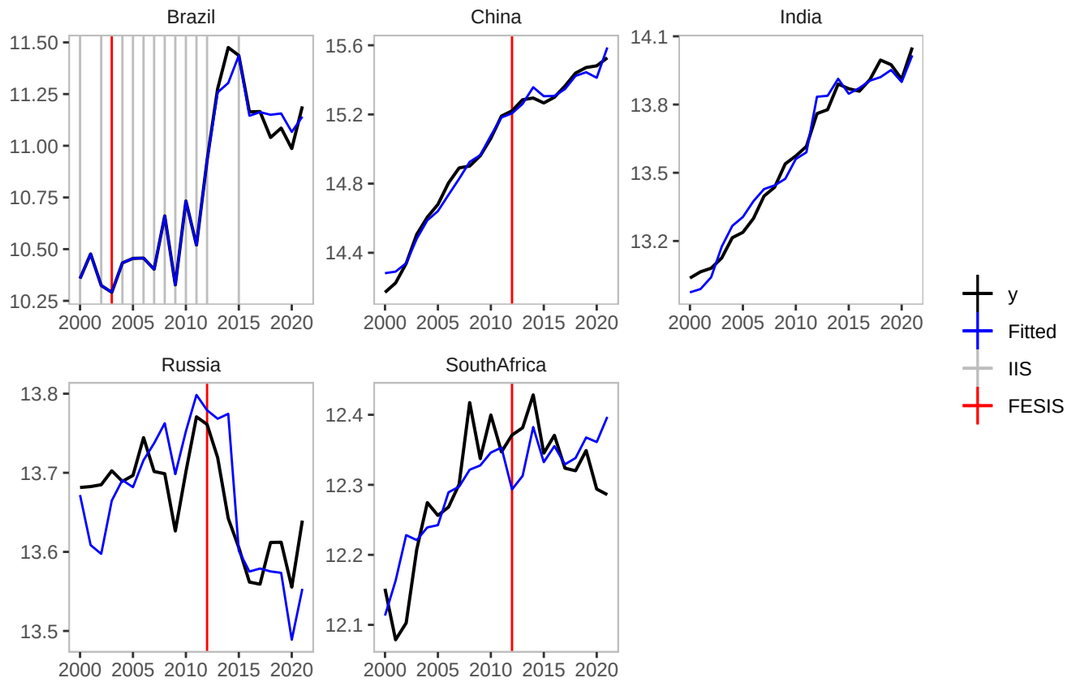
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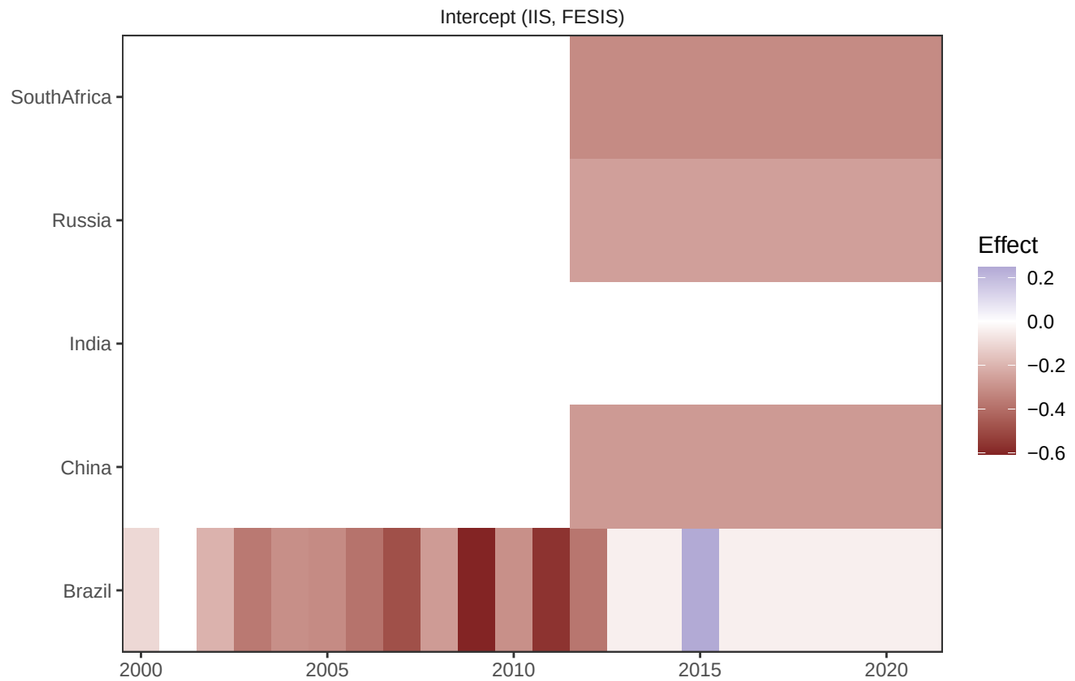
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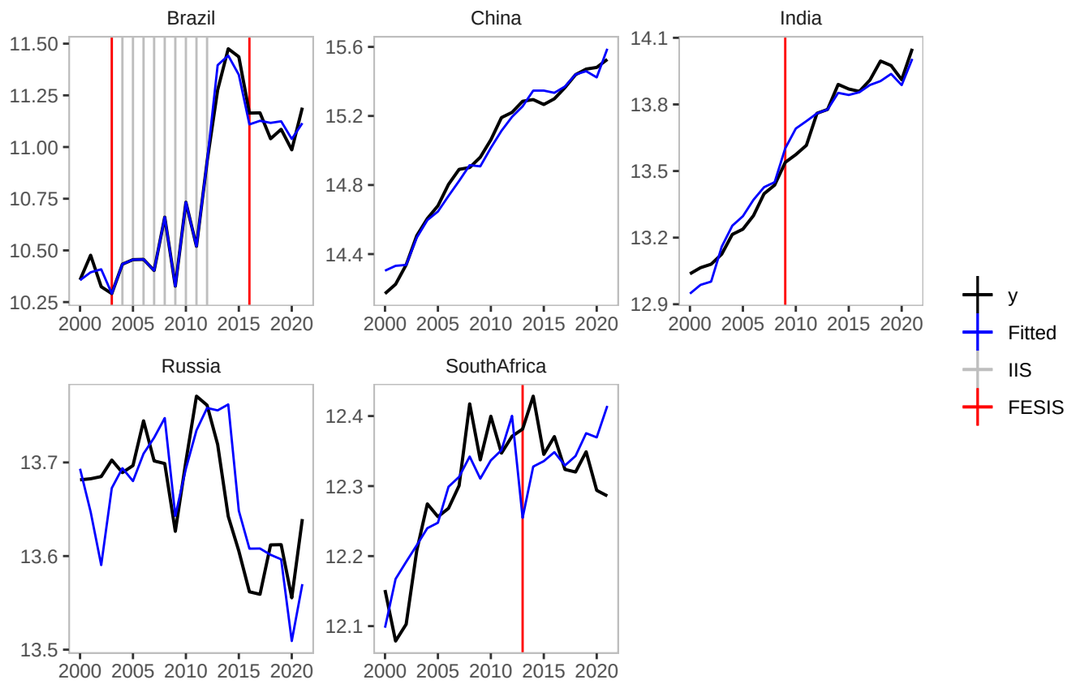
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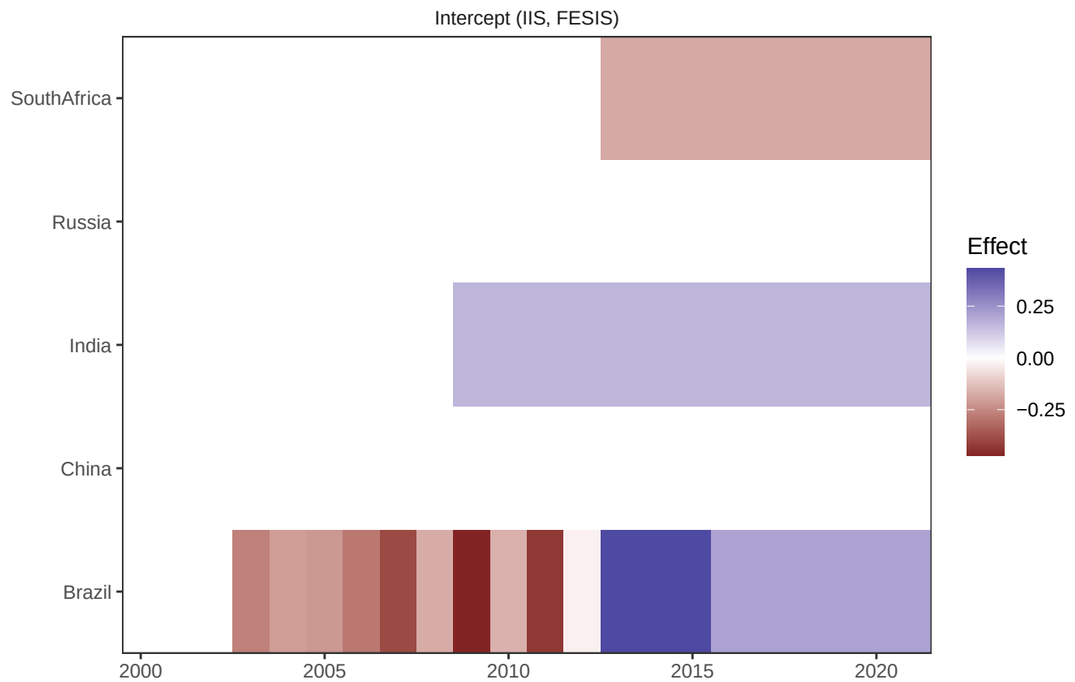
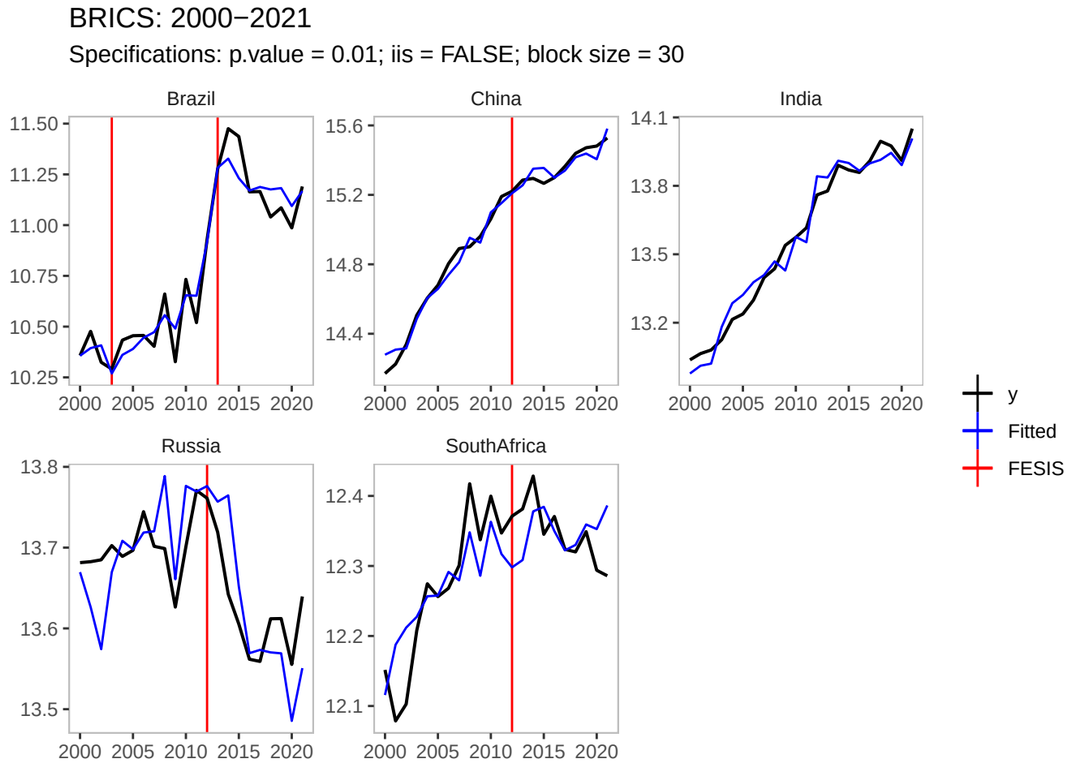
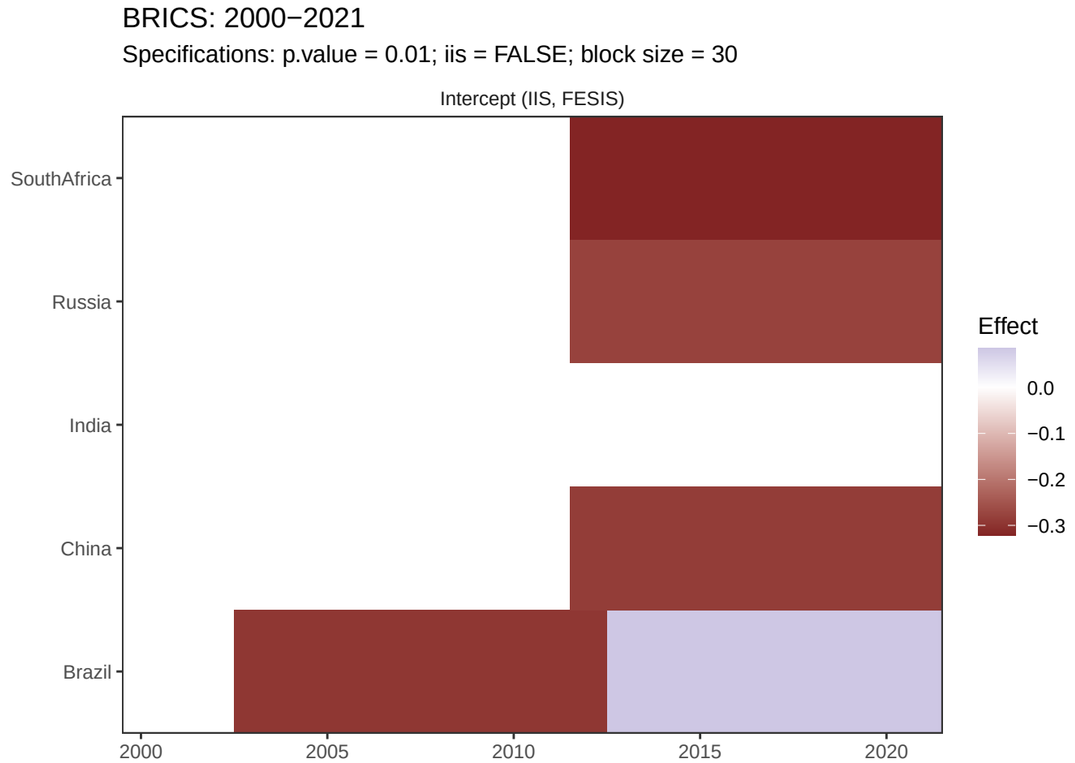
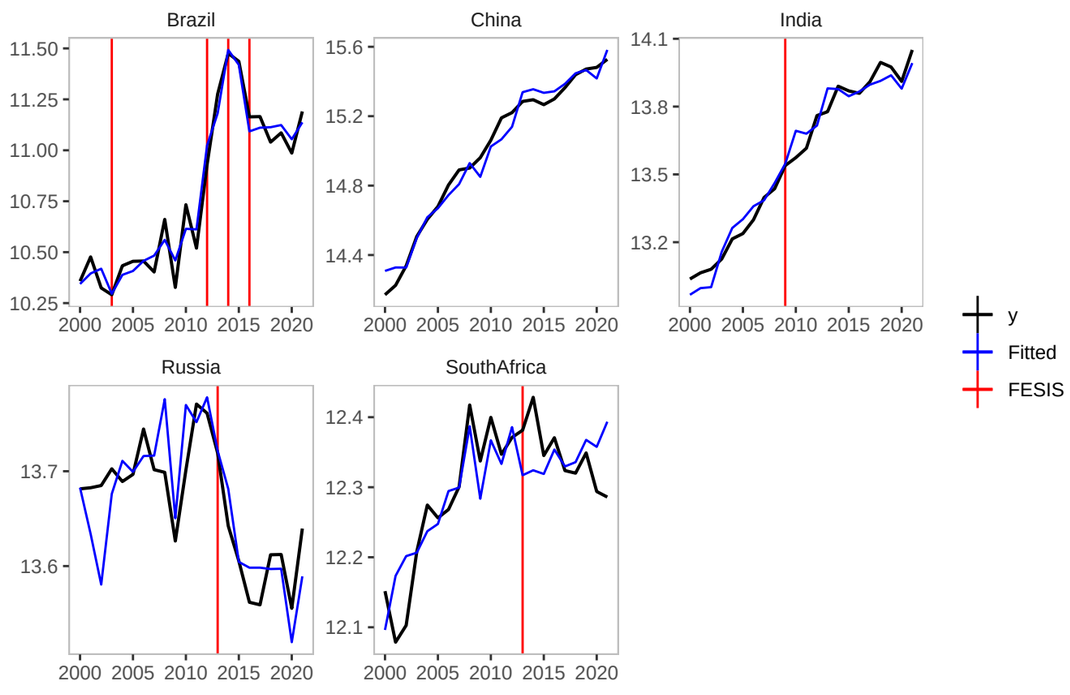
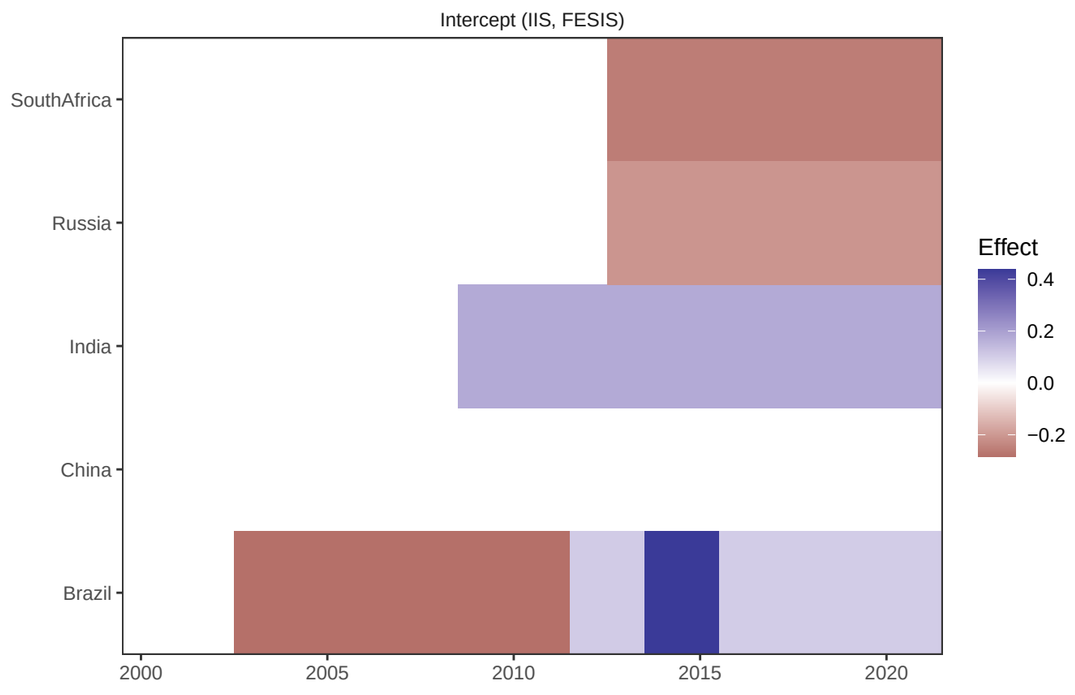
IIS
FESIS

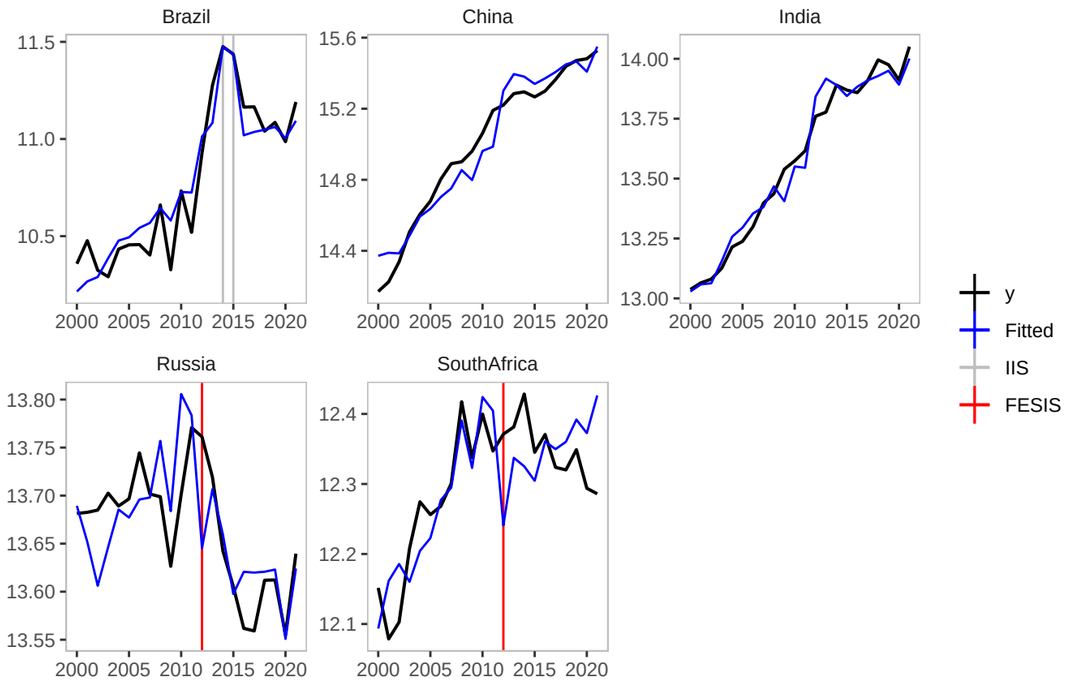

BRICS: 2000−2021
Specifications: p.value = 0.01; iis = TRUE; block size = 20
Intercept (IIS, FESIS)
SouthAfrica
Russia
India
China
Brazil
Effect

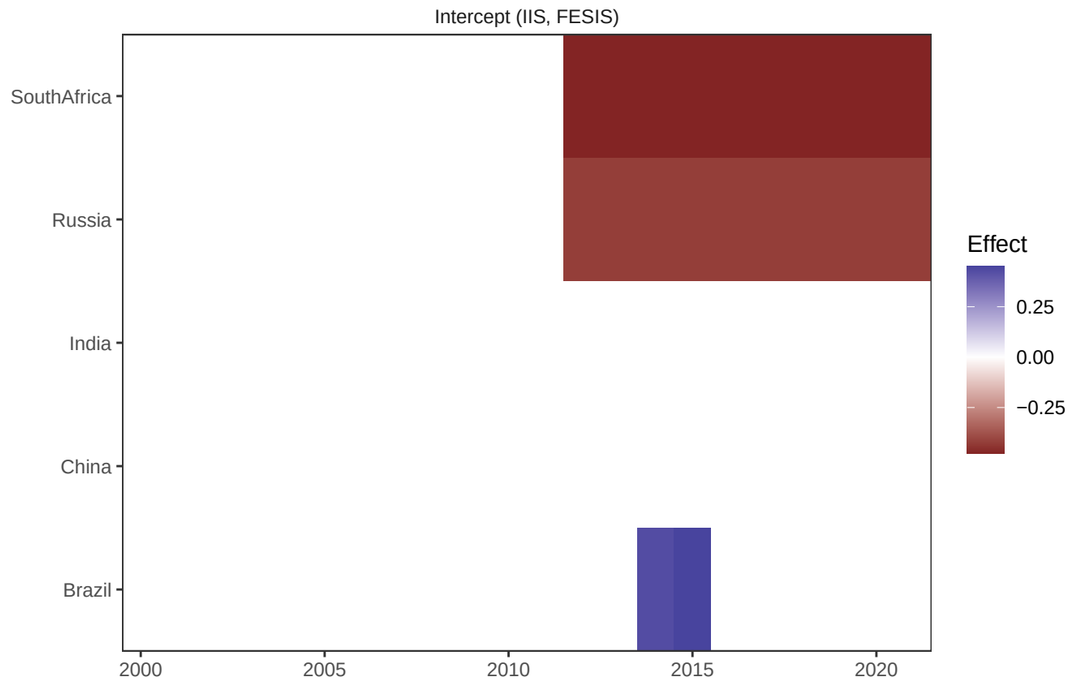

BRICS: 2000−2021
Specifications: p.value = 0.01; iis = FALSE; block size = 30
Brazil
China
India
Russia
SouthAfrica
y
Fitted
FESIS

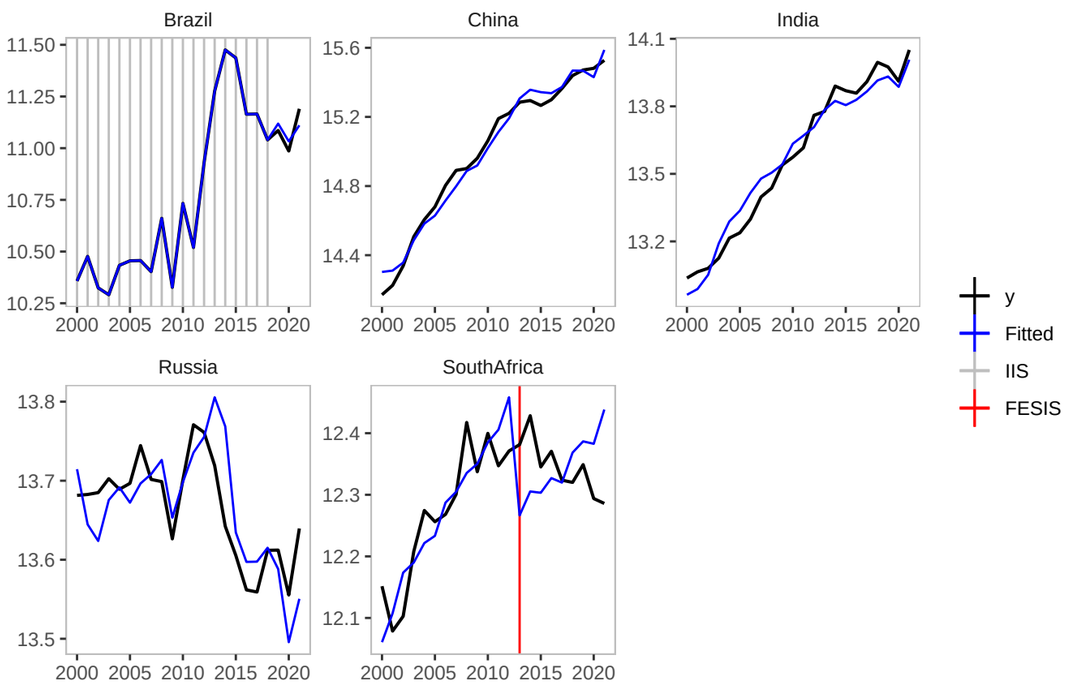

BRICS: 2000−2021
Specifications: p.value = 0.01; iis = FALSE; block size = 30
Intercept (IIS, FESIS)
SouthAfrica
Russia
India
China
Brazil
Effect

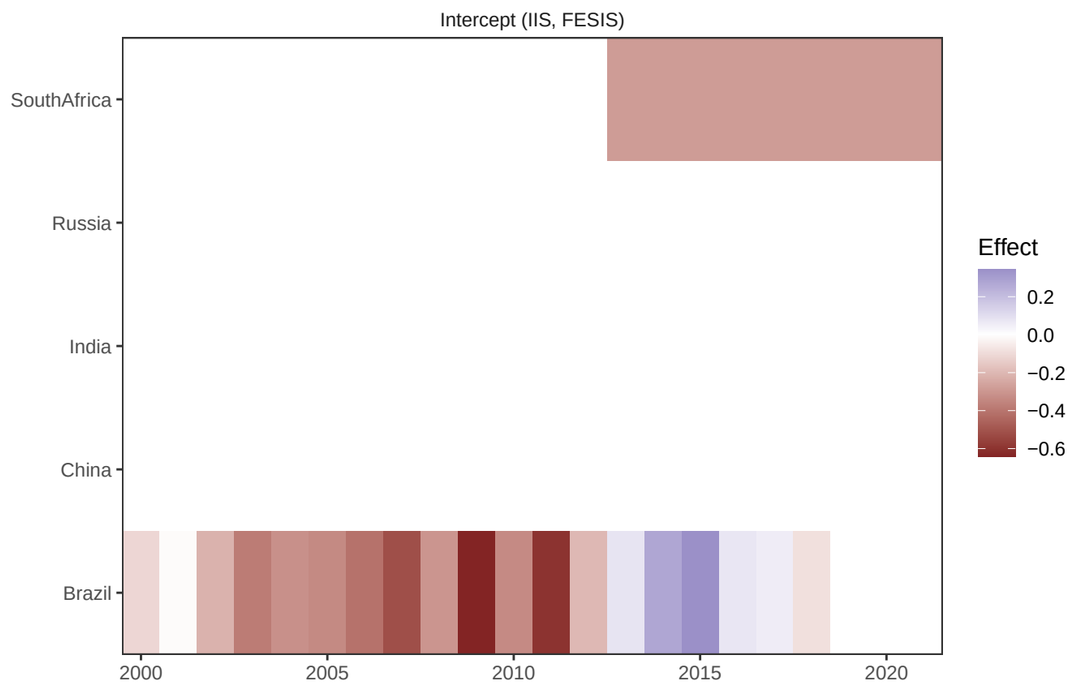

BRICS: 2000−2021
Specifications: p.value = 0.01; iis = FALSE; block size = 20
Brazil
China
India
Russia
SouthAfrica
y
Fitted
FESIS

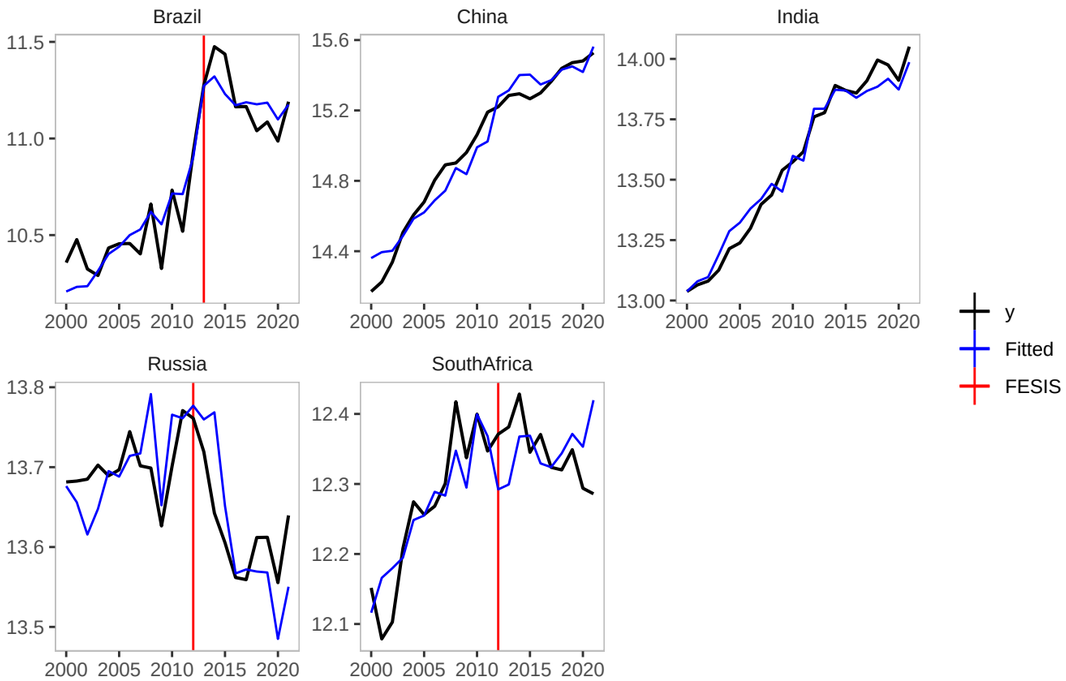

BRICS: 2000−2021
Specifications: p.value = 0.01; iis = FALSE; block size = 20
Intercept (IIS, FESIS)
SouthAfrica
Russia
India
China
Brazil
Effect

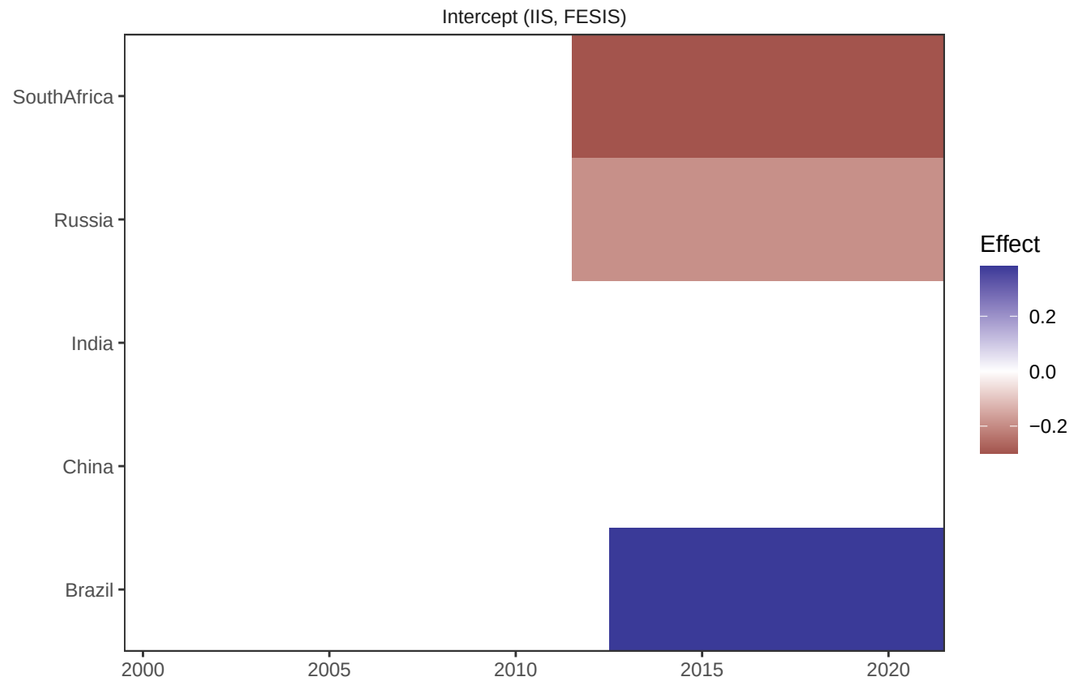

BRICS: 2000−2021
Specifications: p.value = 0.001; iis = TRUE; block size = 30
Brazil
China
India
Russia
SouthAfrica
y
Fitted
IIS
FESIS

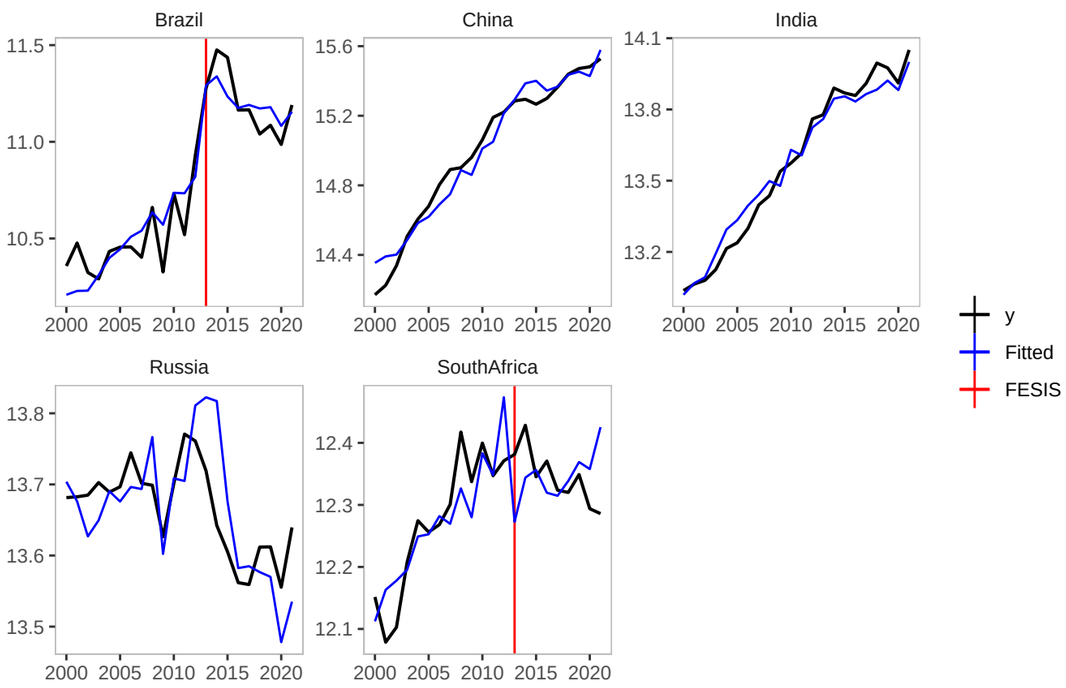

BRICS: 2000−2021
Specifications: p.value = 0.001; iis = TRUE; block size = 30
Intercept (IIS, FESIS)
SouthAfrica
Russia
India
China
Brazil
Effect
0.25
0.00
−0.25

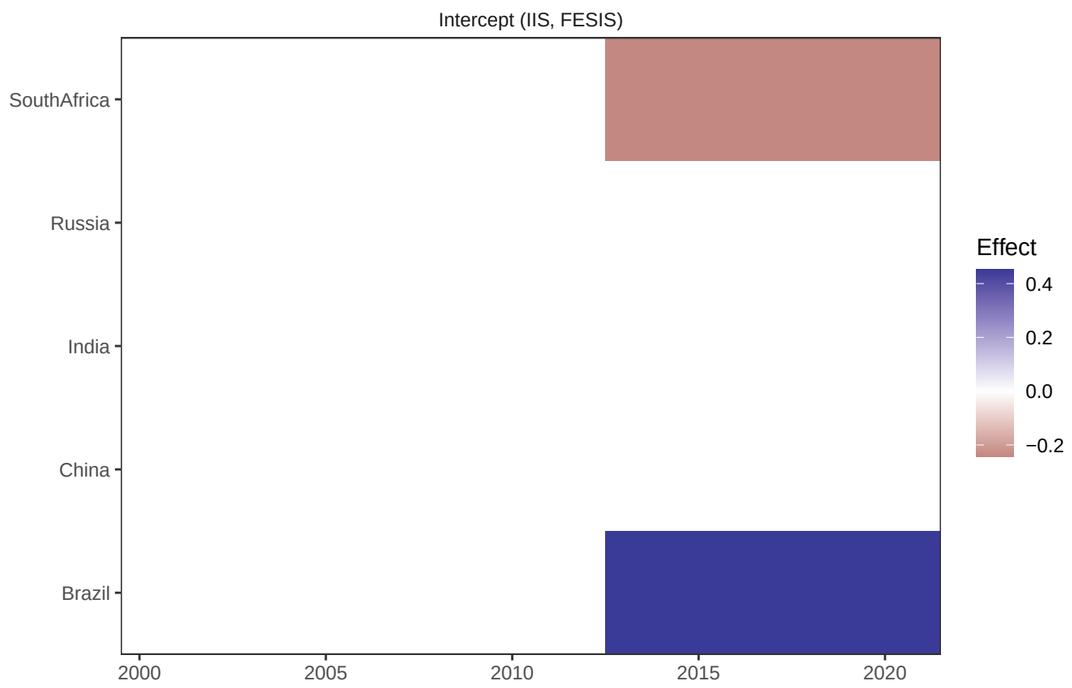

BRICS: 2000−2021
Specifications: p.value = 0.001; iis = TRUE; block size = 20
Brazil
China
India
Russia
SouthAfrica
y
Fitted
IIS
FESIS

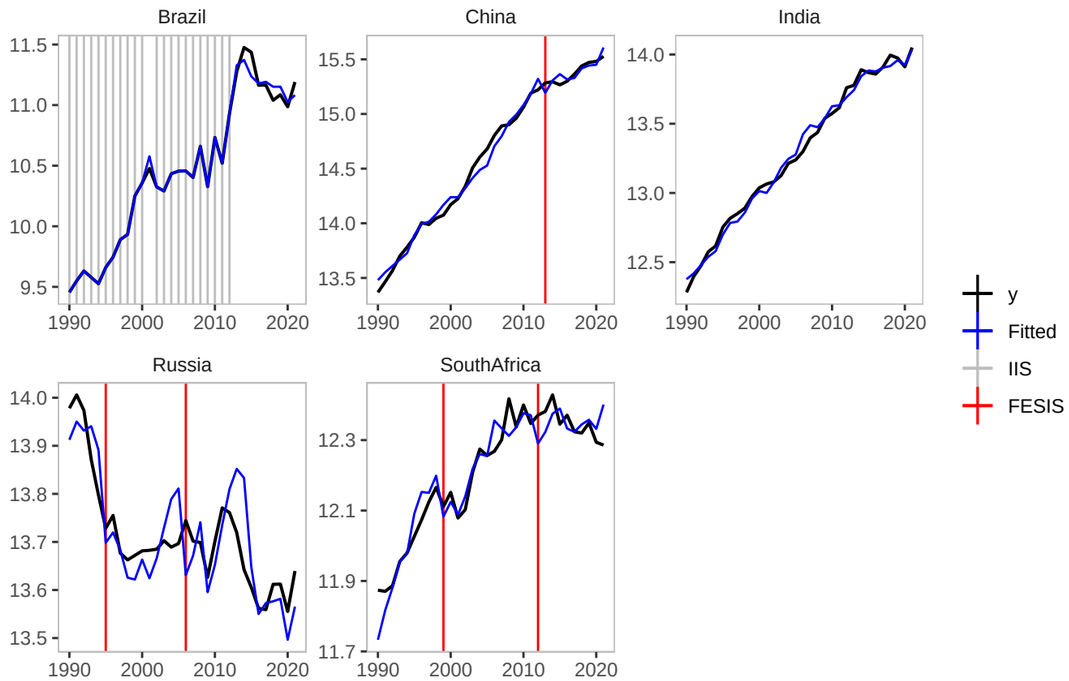

BRICS: 2000−2021
Specifications: p.value = 0.001; iis = TRUE; block size = 20
Intercept (IIS, FESIS)
SouthAfrica
Russia
India
China
Brazil
Effect
0.2
0.0
−0.2
−0.4
−0.6

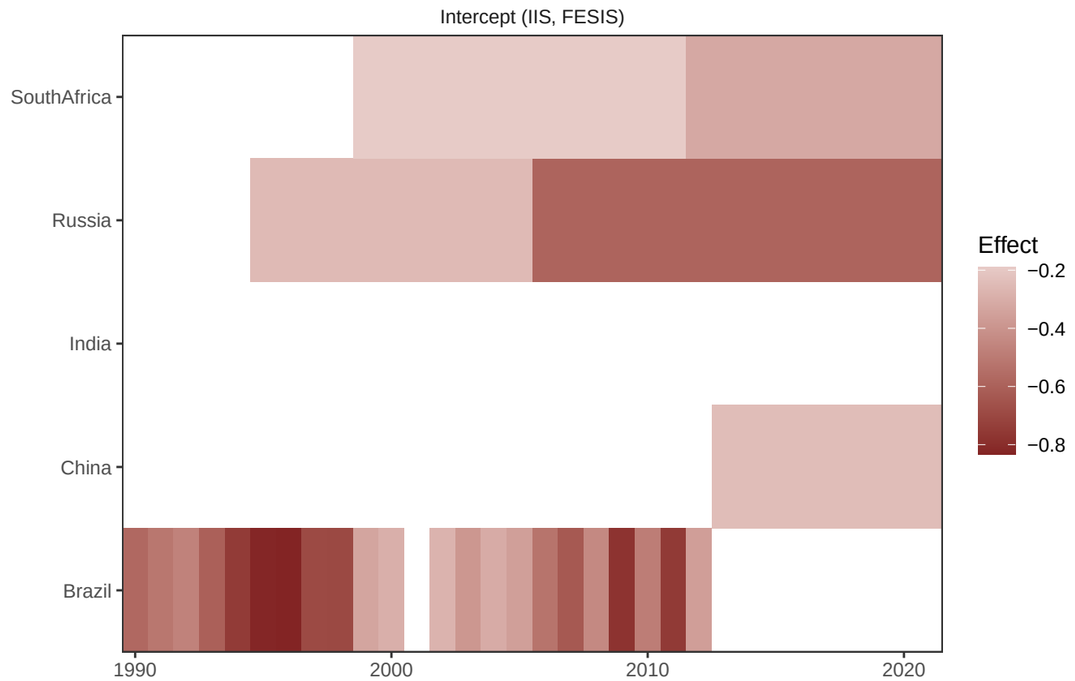

BRICS: 2000−2021
Specifications: p.value = 0.001; iis = FALSE; block size = 30
Brazil
China
India
Russia
SouthAfrica
y
Fitted
FESIS

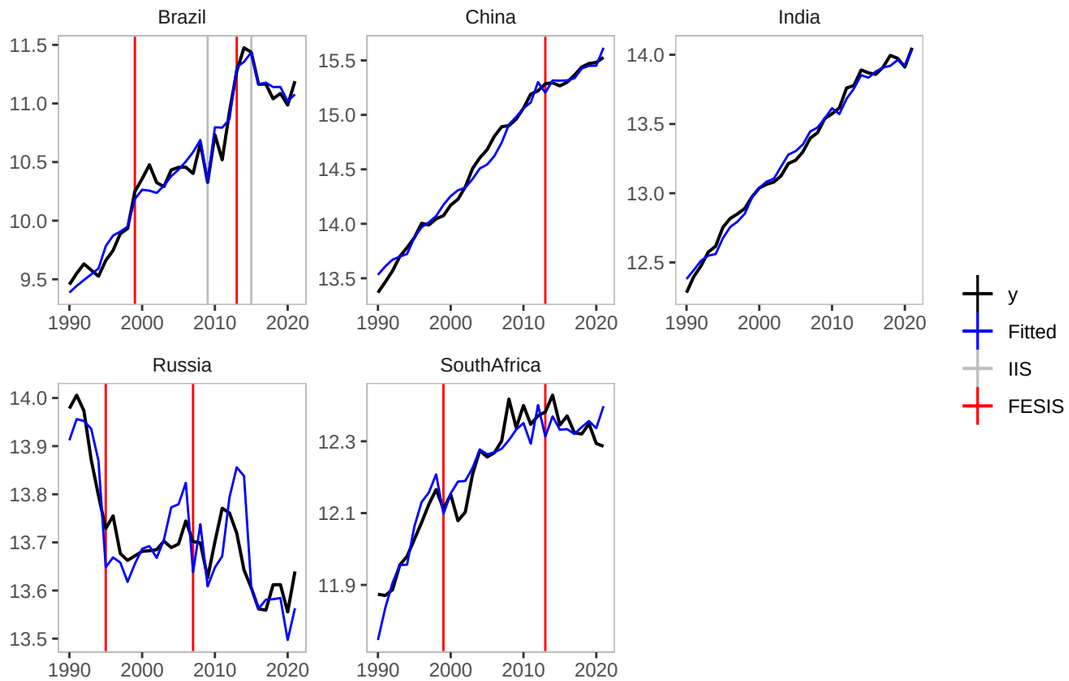

BRICS: 2000−2021
Specifications: p.value = 0.001; iis = FALSE; block size = 30
Intercept (IIS, FESIS)
SouthAfrica
Russia
India
China
Brazil
Effect

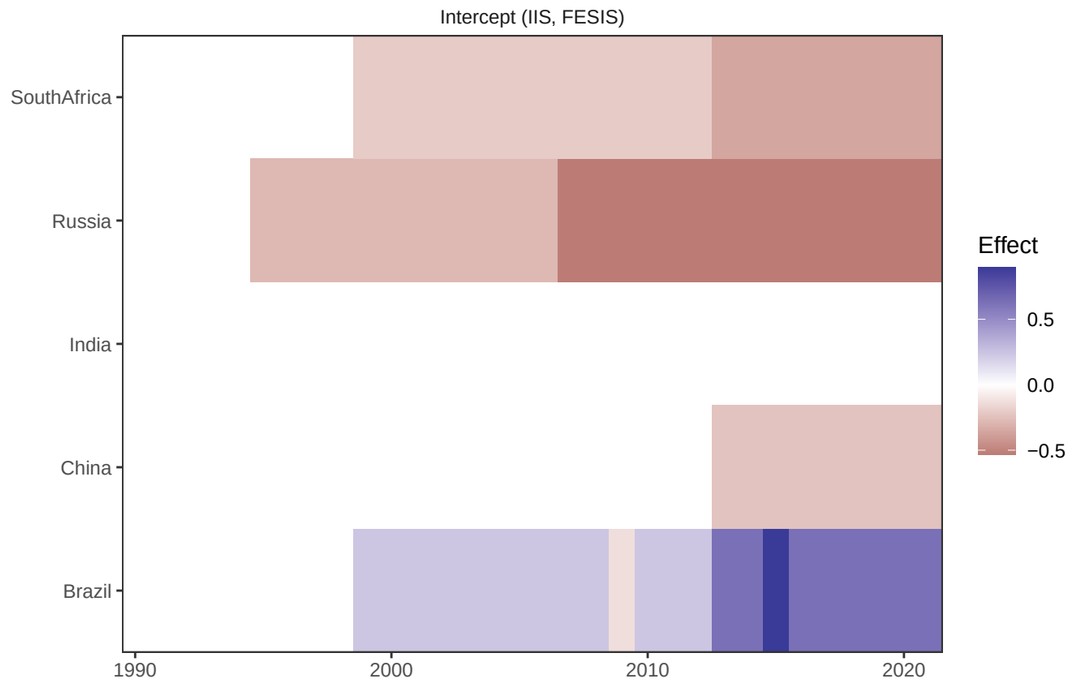

BRICS: 2000−2021
Specifications: p.value = 0.001; iis = FALSE; block size = 20
Brazil
China
India
Russia
SouthAfrica
y
Fitted
FESIS


BRICS: 2000−2021
Specifications: p.value = 0.001; iis = FALSE; block size = 20
Intercept (IIS, FESIS)
SouthAfrica
Russia
India
China
Brazil
Effect


BRICS: 1990−2021
Specifications: p.value = 0.01; iis = TRUE; block size = 30
Brazil
China
India
Russia
SouthAfrica
y
Fitted
IIS
FESIS

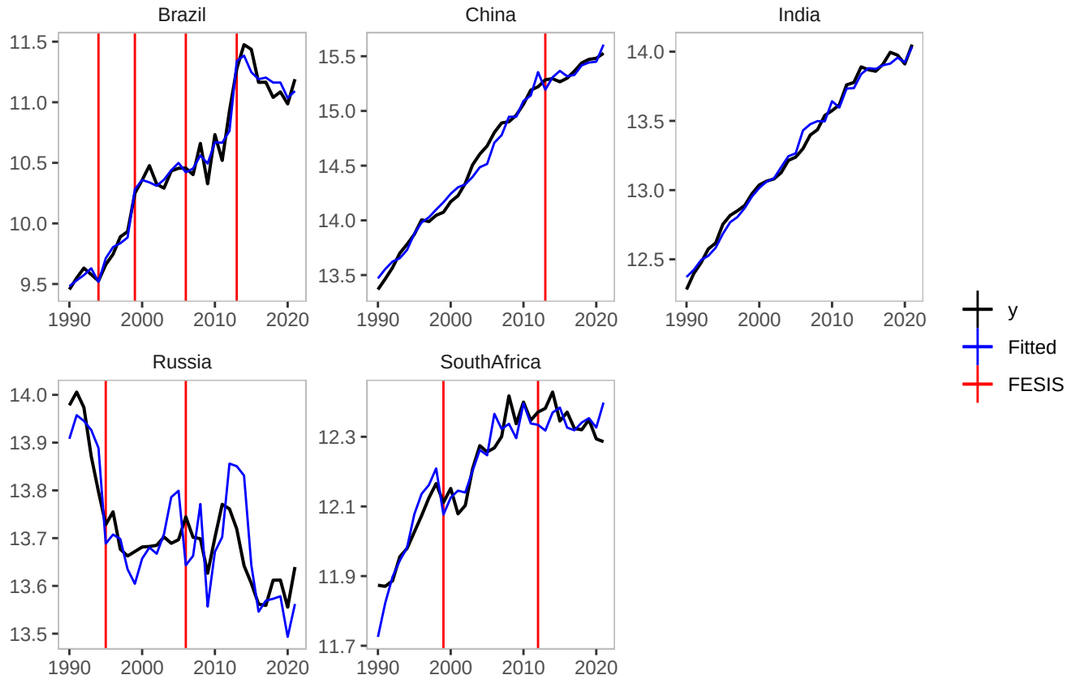

BRICS: 1990−2021
Specifications: p.value = 0.01; iis = TRUE; block size = 30
Intercept (IIS, FESIS)
SouthAfrica
Russia
India
China
Brazil
Effect


BRICS: 1990−2021
Specifications: p.value = 0.01; iis = TRUE; block size = 20
Brazil
China
India
Russia
SouthAfrica
y
Fitted
IIS
FESIS


BRICS: 1990−2021
Specifications: p.value = 0.01; iis = TRUE; block size = 20
Intercept (IIS, FESIS)
SouthAfrica
Russia
India
China
Brazil
Effect

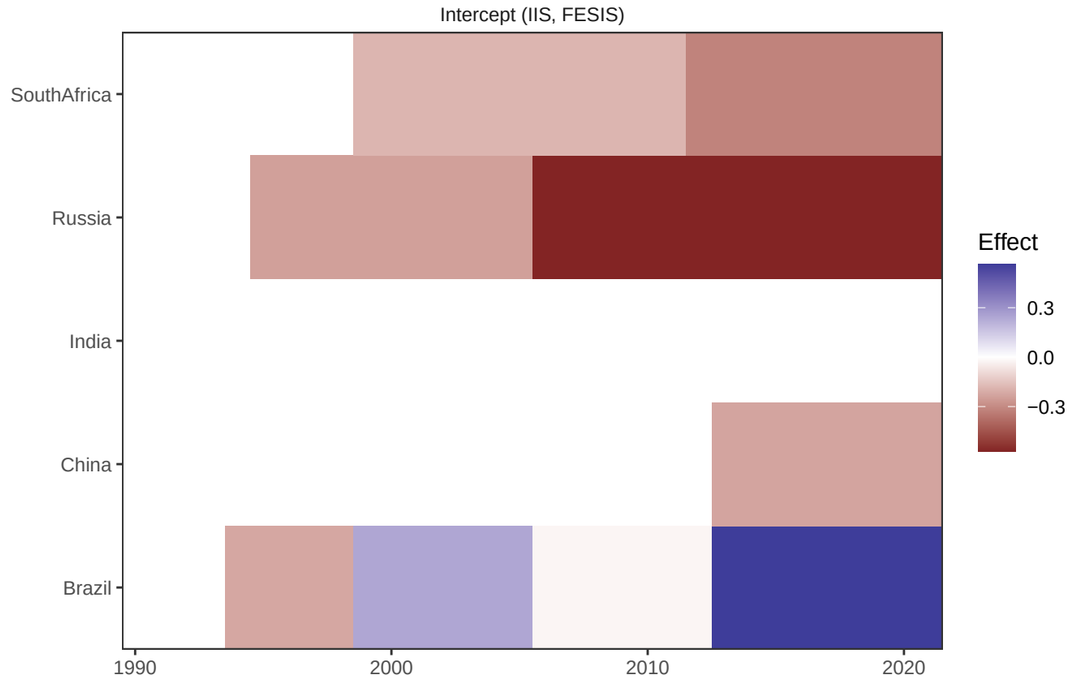
BRICS: 1990−2021

Specifications: p.value = 0.01; iis = FALSE; block size = 30



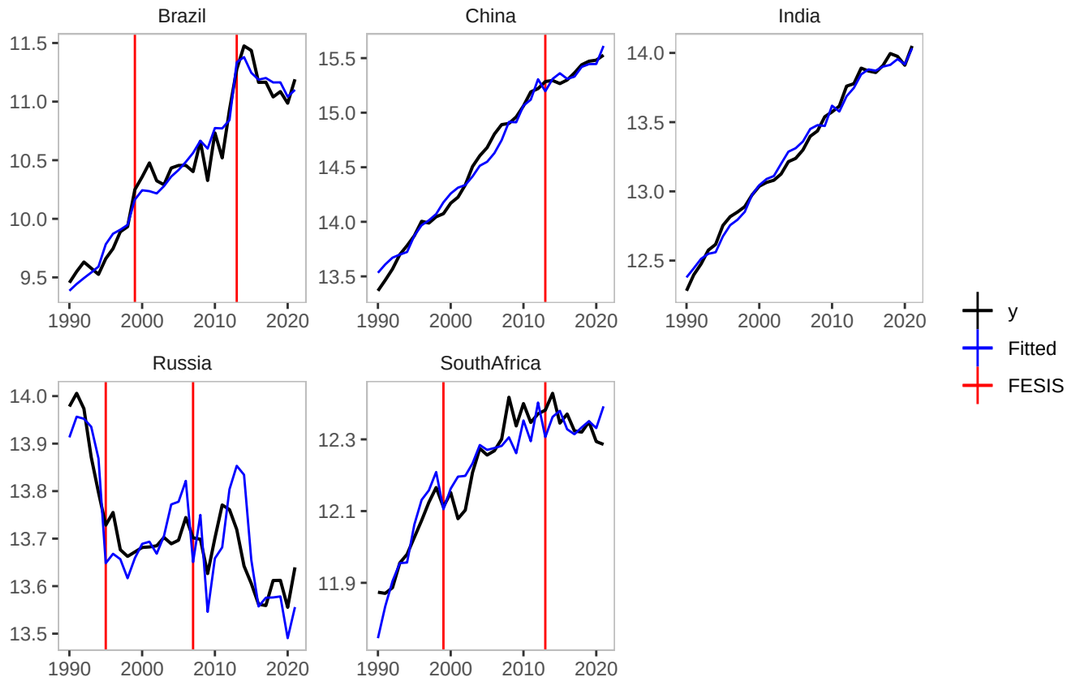
BRICS: 1990−2021

Specifications: p.value = 0.01; iis = FALSE; block size = 30



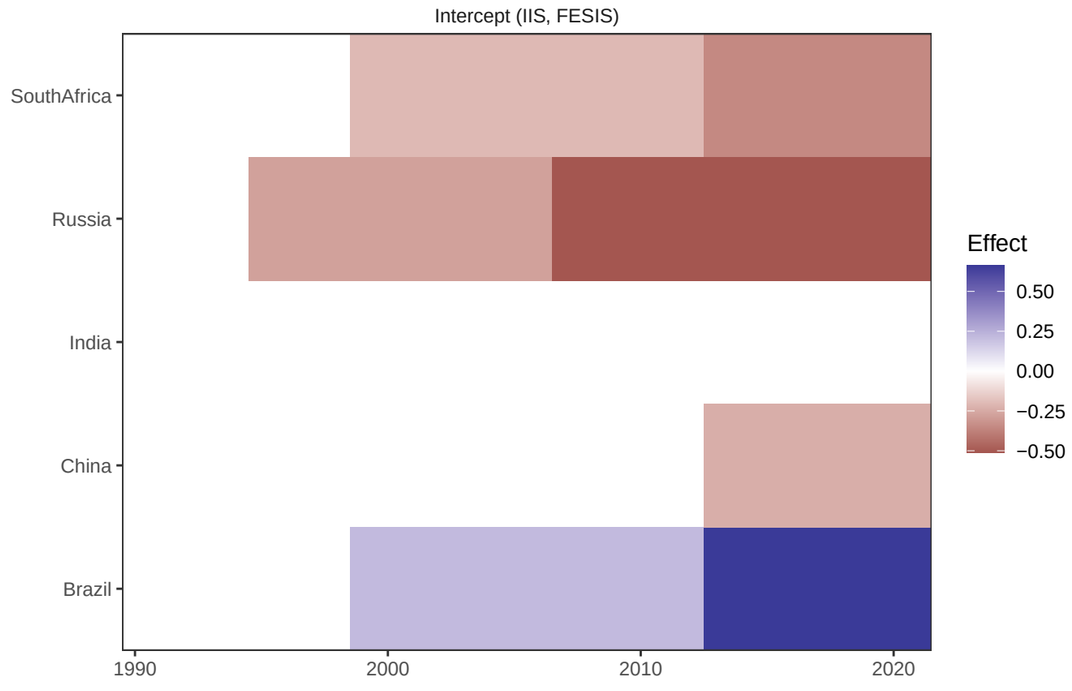
BRICS: 1990−2021

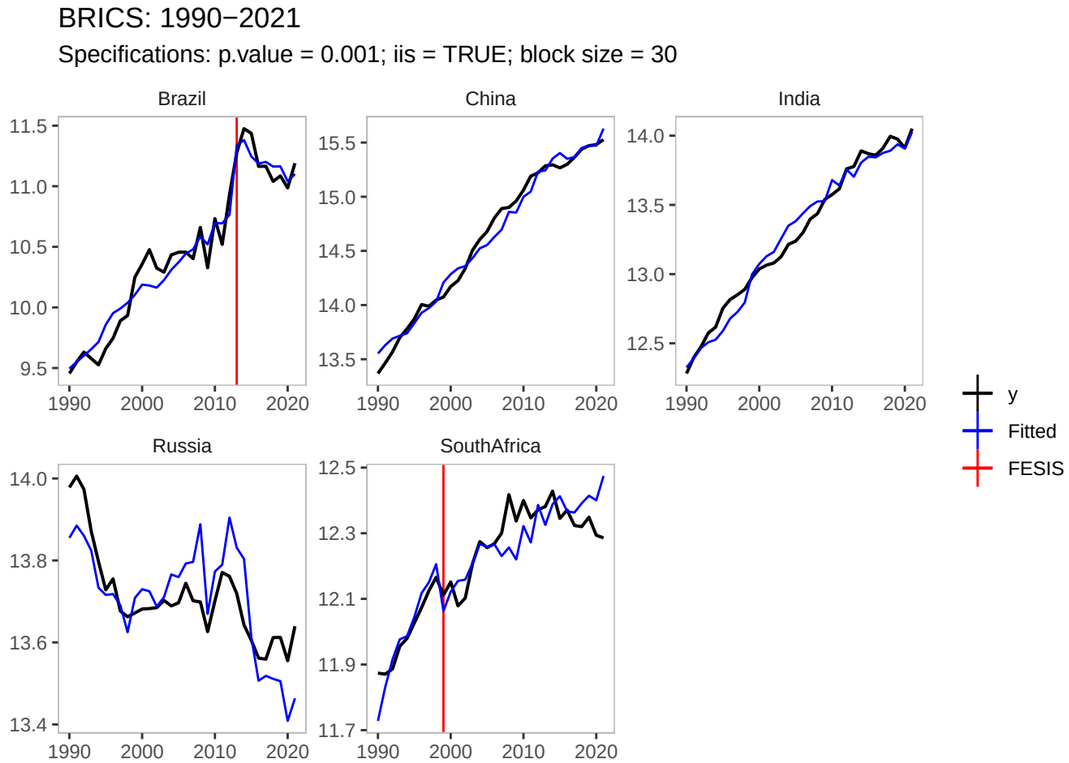
Specifications: p.value = 0.01; iis = FALSE; block size = 20

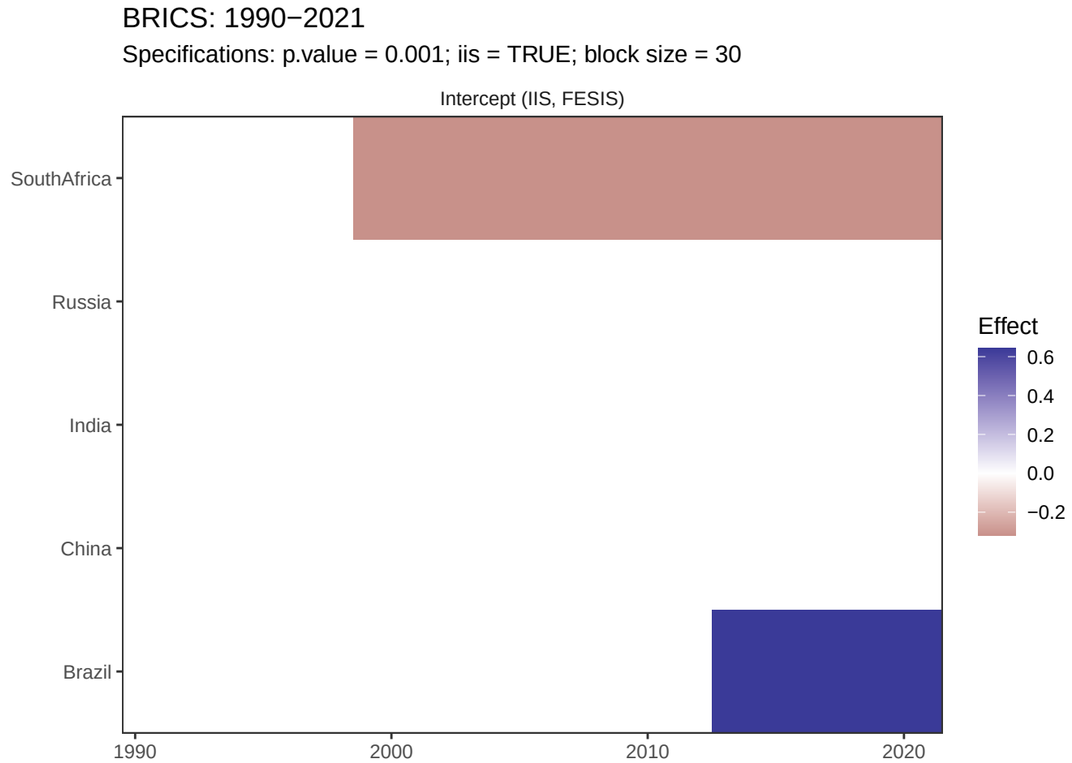


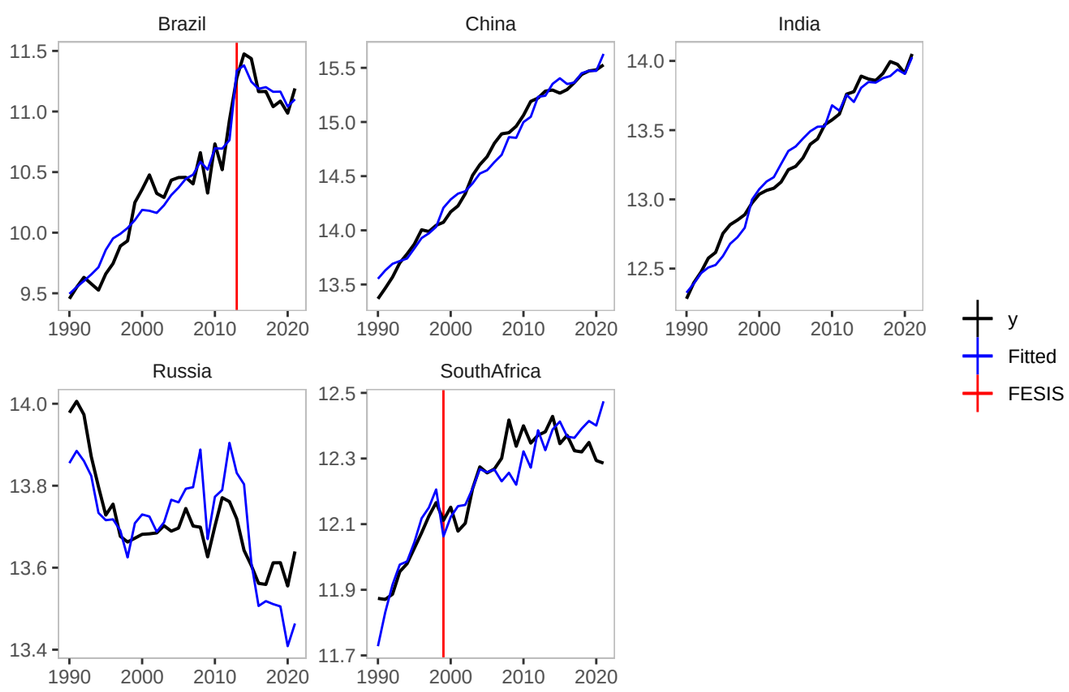
BRICS: 1990−2021

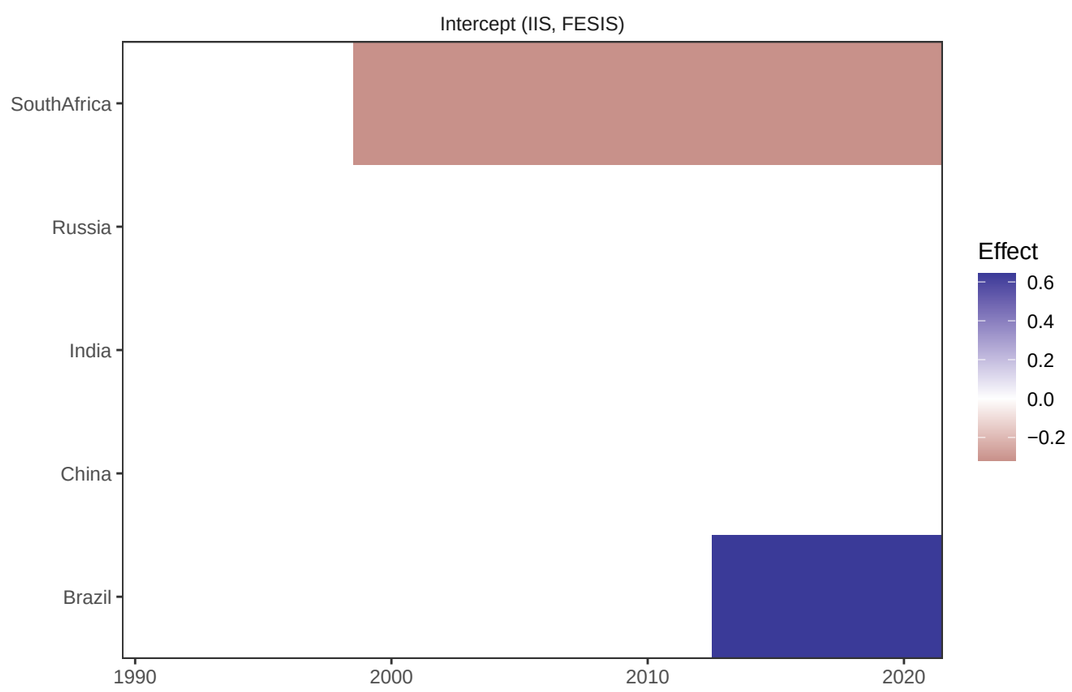
Specifications: p.value = 0.01; iis = FALSE; block size = 20




BRICS: 1990−2021
Specifications: p.value = 0.001; iis = TRUE; block size = 30
Brazil
China
India
Russia
SouthAfrica
y
Fitted
FESIS

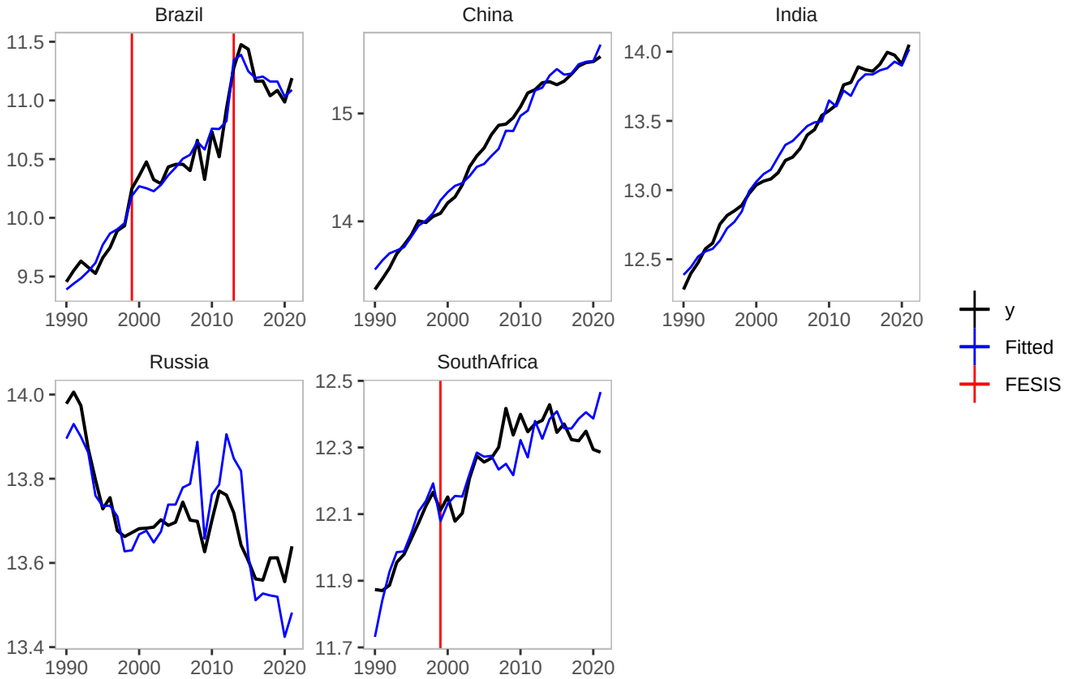

BRICS: 1990−2021
Specifications: p.value = 0.001; iis = TRUE; block size = 30
Intercept (IIS, FESIS)
SouthAfrica
Russia
India
China
Brazil
Effect
0.6
0.4
0.2
0.0
−0.2


BRICS: 1990−2021
Specifications: p.value = 0.001; iis = TRUE; block size = 20
Brazil
China
India
Russia
SouthAfrica
y
Fitted
FESIS


BRICS: 1990−2021
Specifications: p.value = 0.001; iis = TRUE; block size = 20
Intercept (IIS, FESIS)
SouthAfrica
Russia
India
China
Brazil
Effect
0.6
0.4
0.2
0.0
−0.2

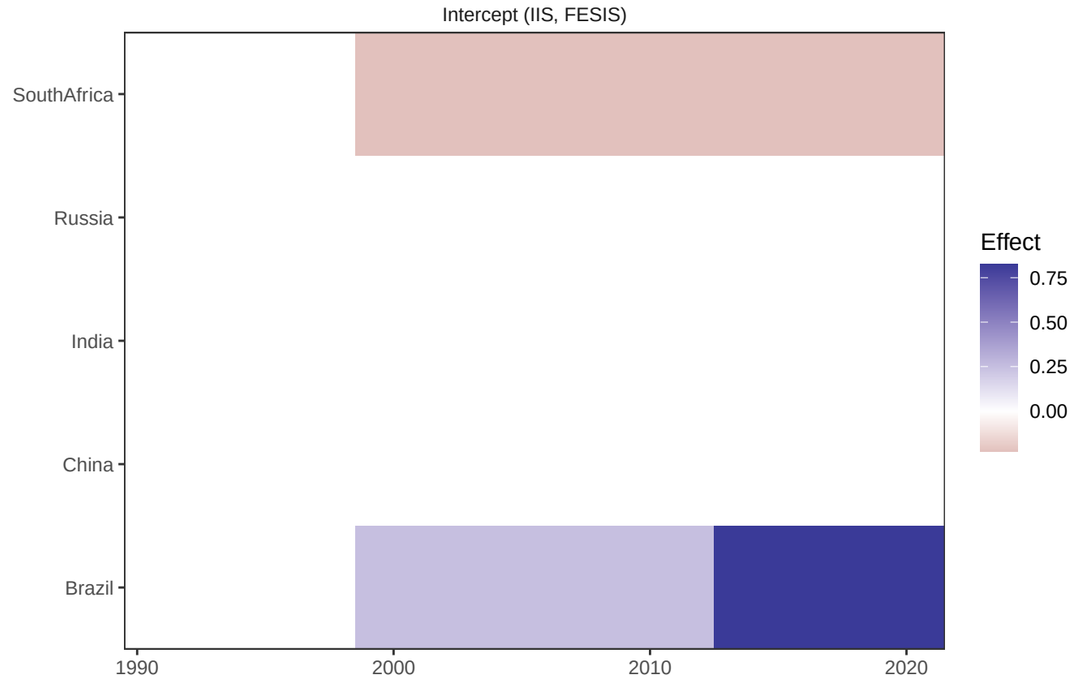
BRICS: 1990−2021

Specifications: p.value = 0.001; iis = FALSE; block size = 30



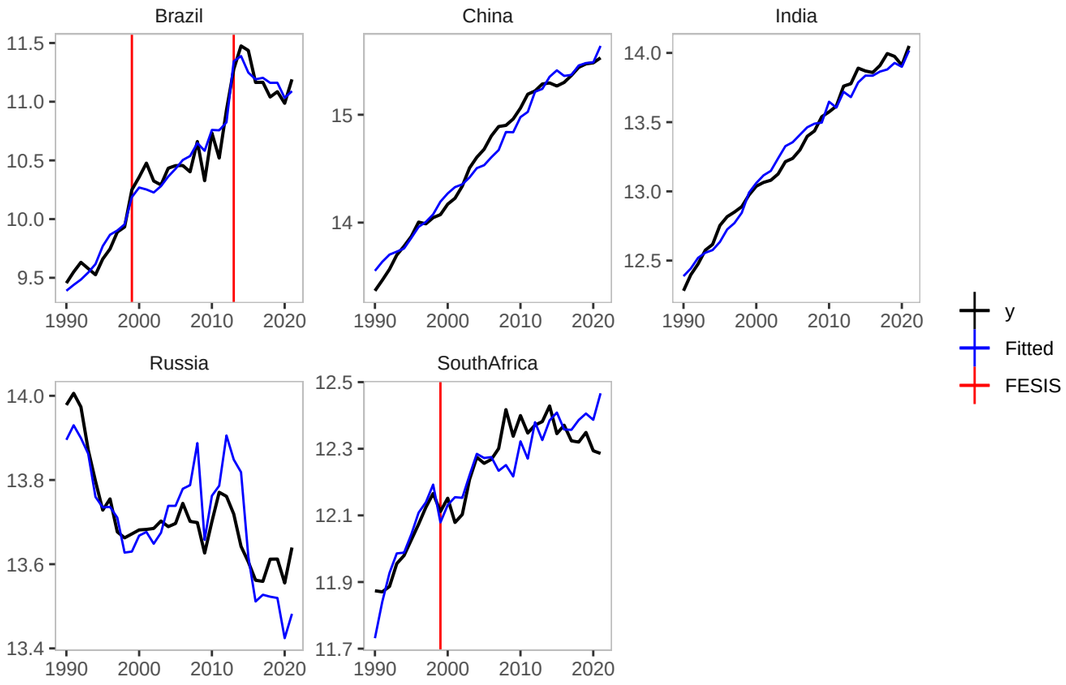
BRICS: 1990−2021

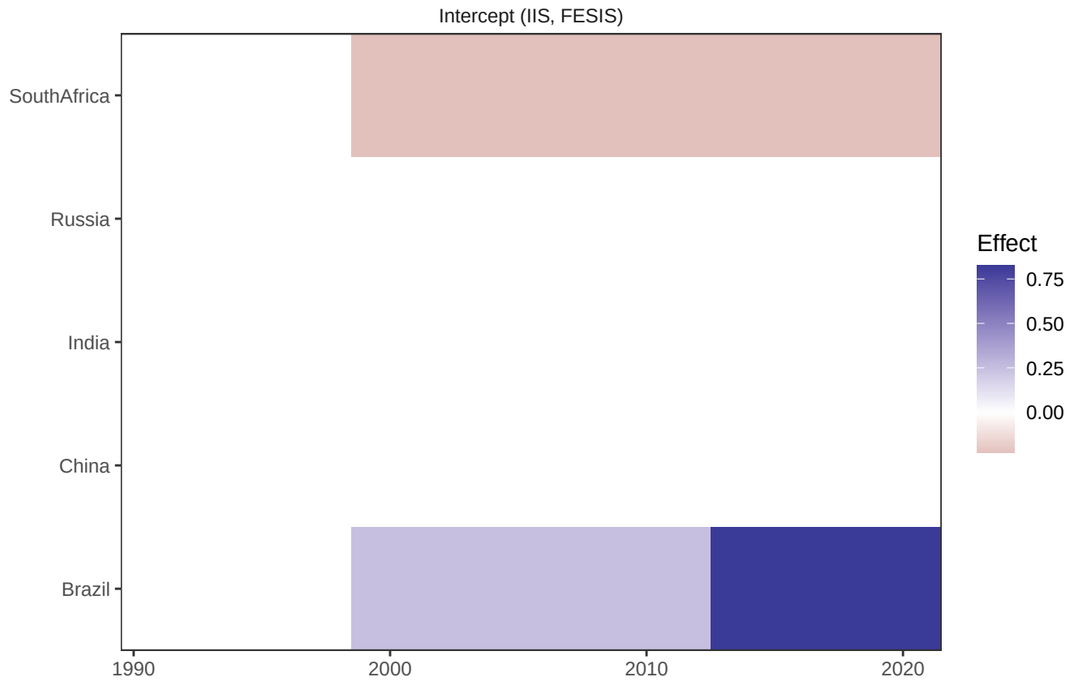
Specifications: p.value = 0.001; iis = FALSE; block size = 30



BRICS: 1990−2021

Specifications: p.value = 0.001; iis = FALSE; block size = 20



BRICS: 1990−2021

Specifications: p.value = 0.001; iis = FALSE; block size = 20