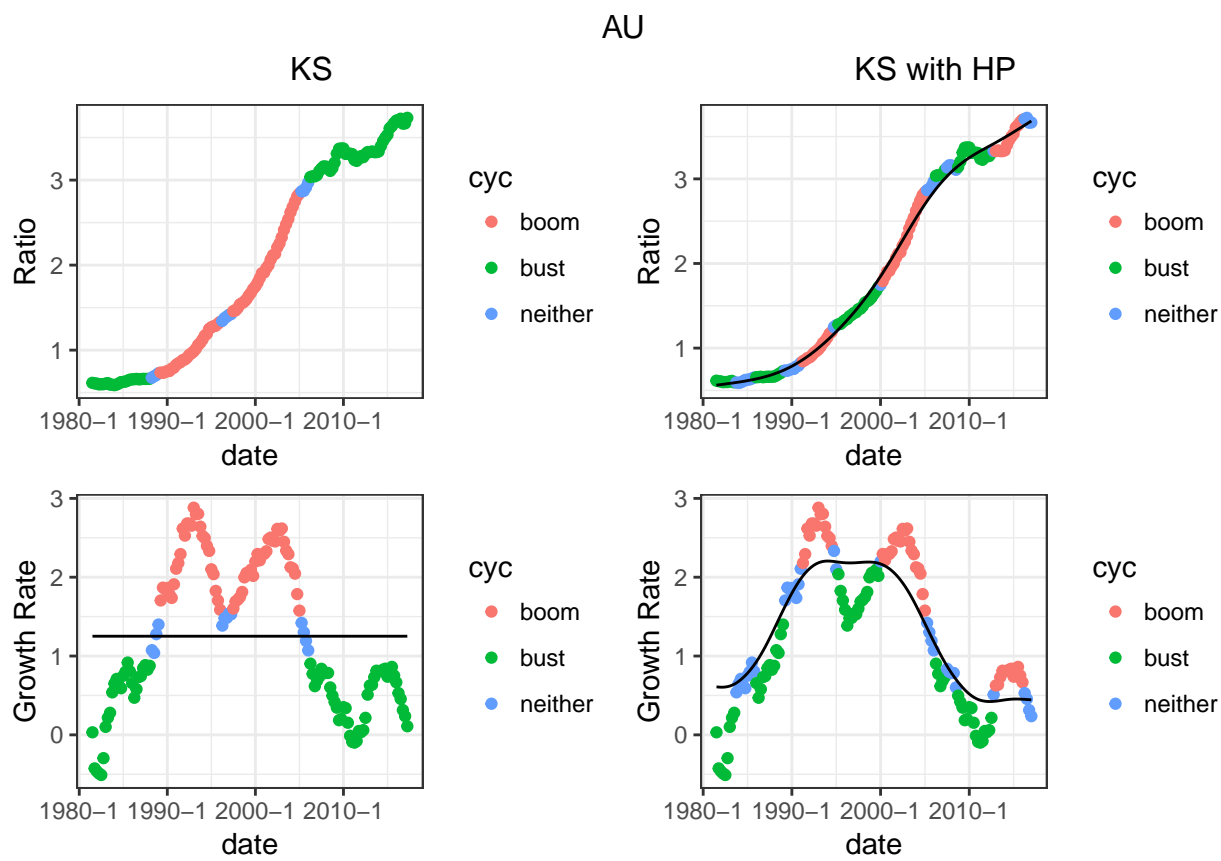
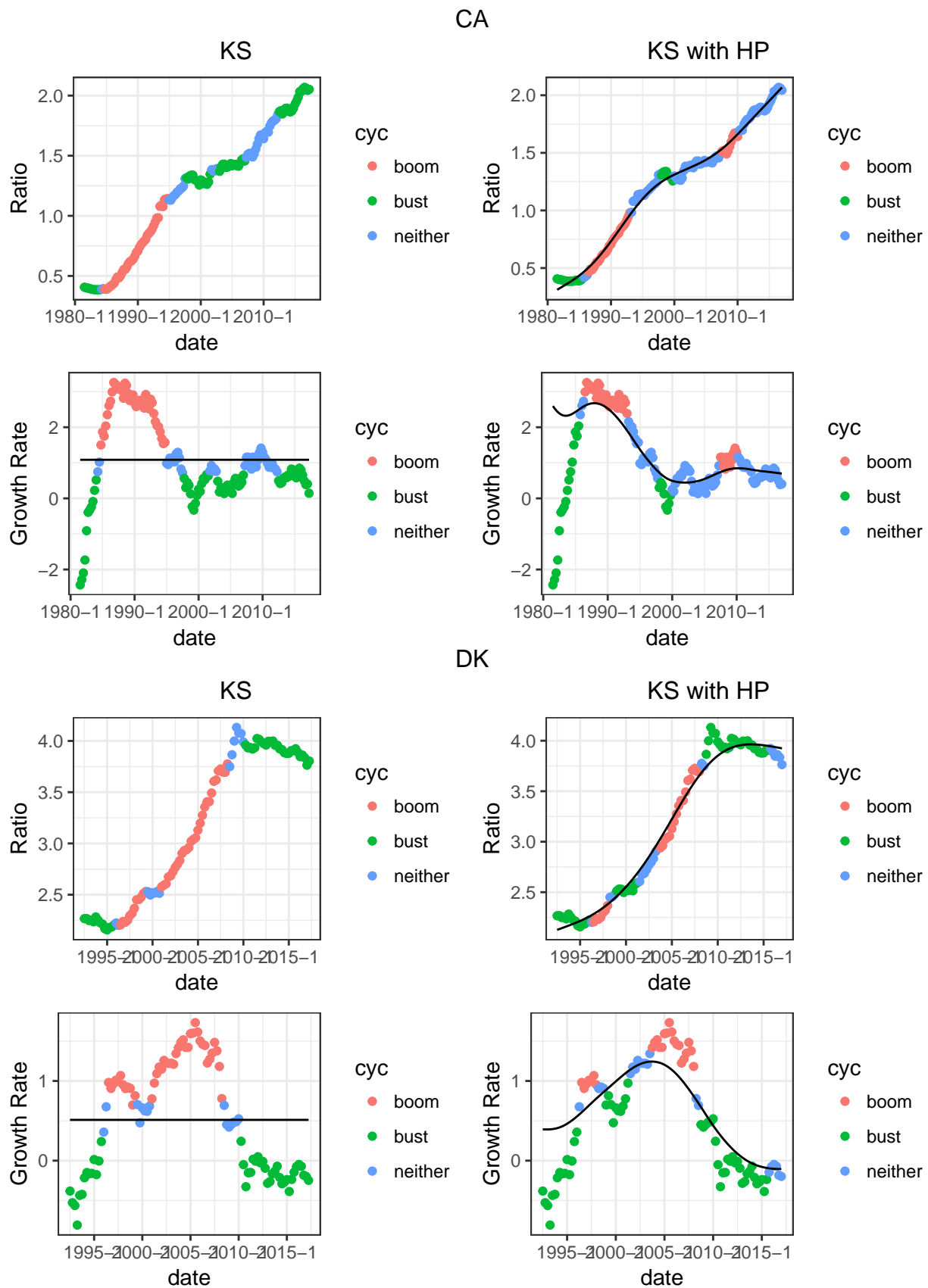


Business Cycle Dating

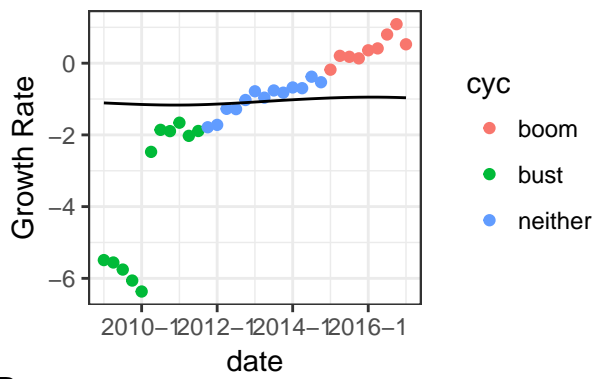
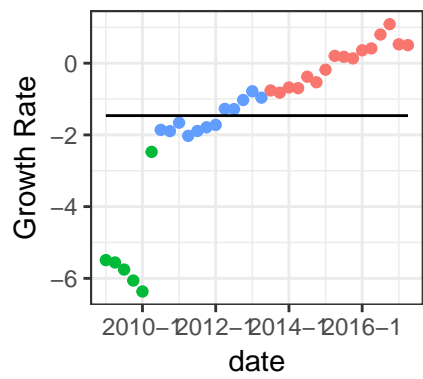
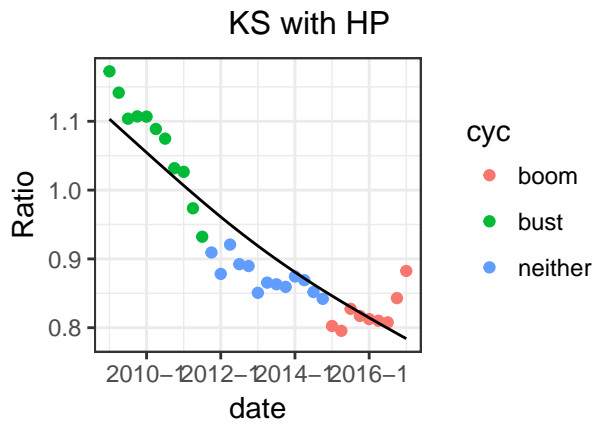
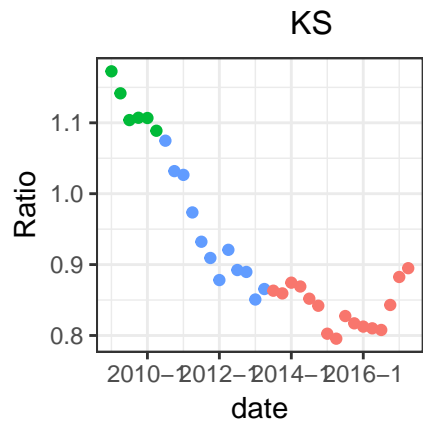
Haoyu Sheng

8/7/2019

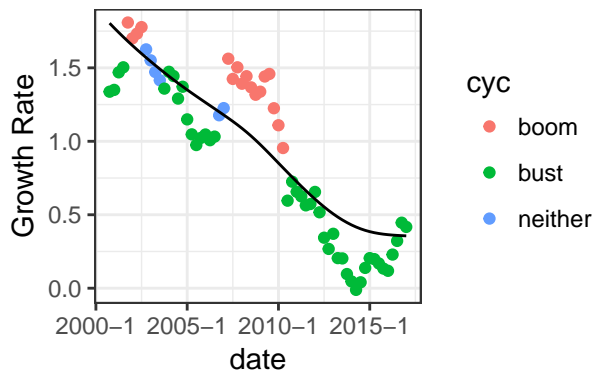
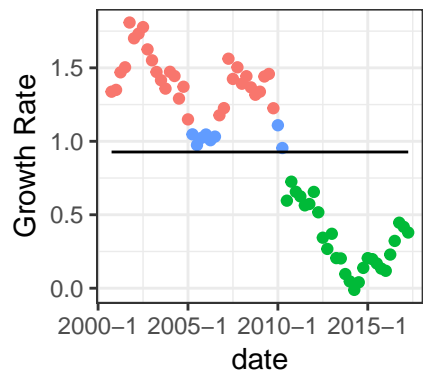
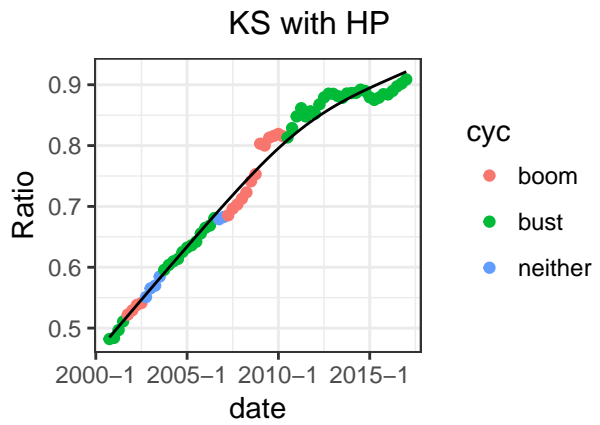
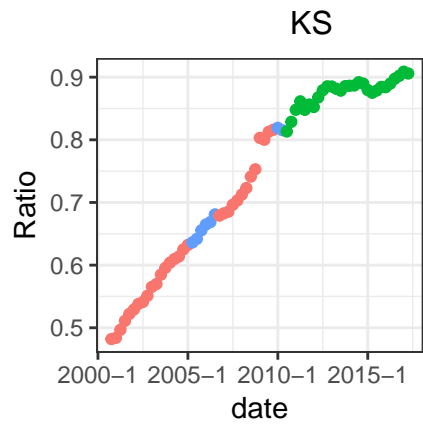


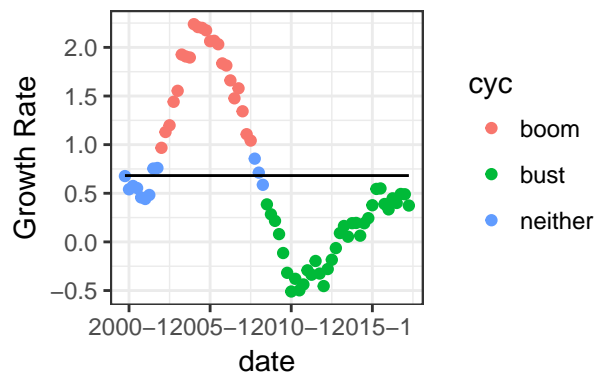
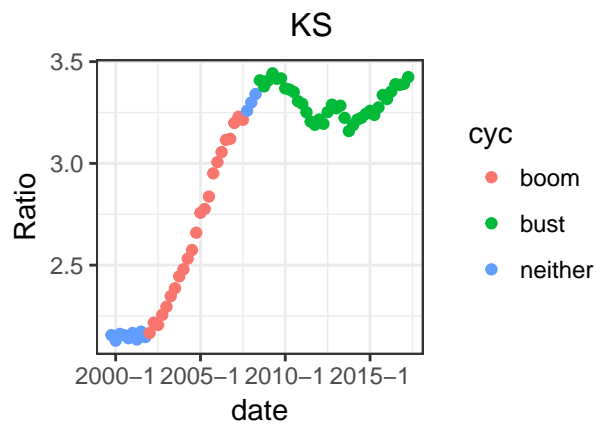


IS

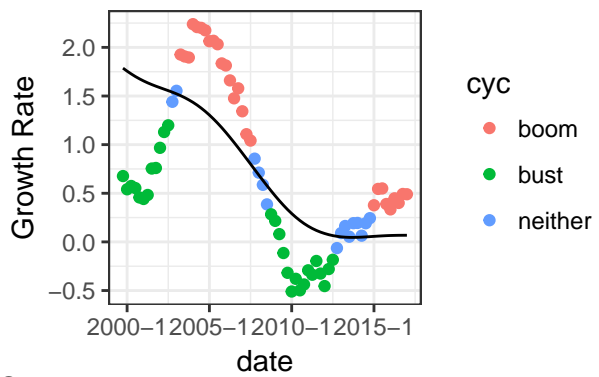
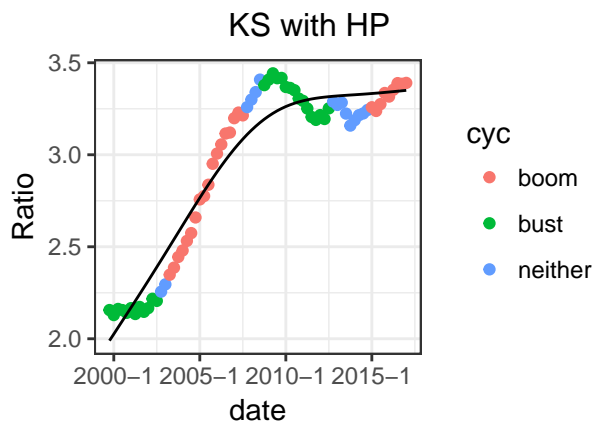


JP

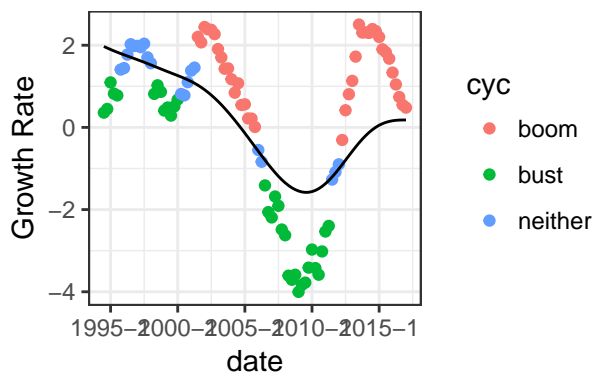
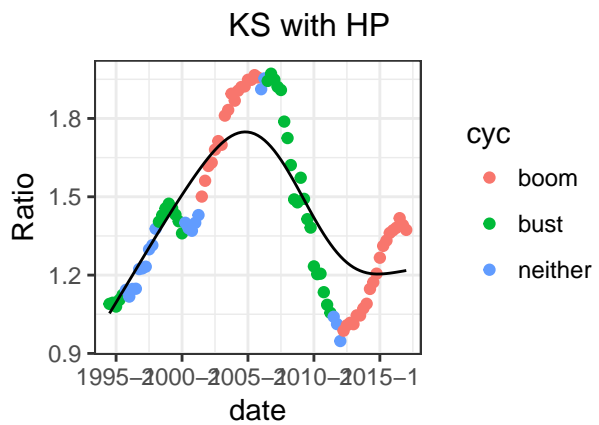
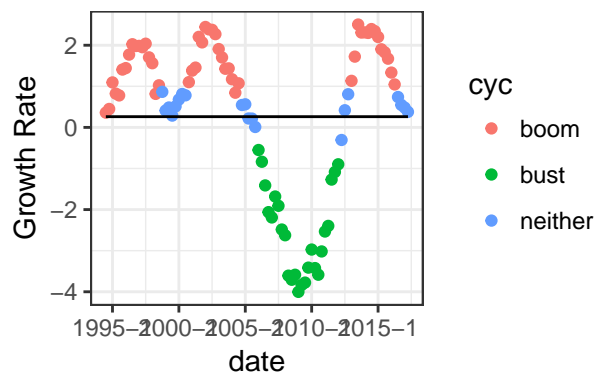
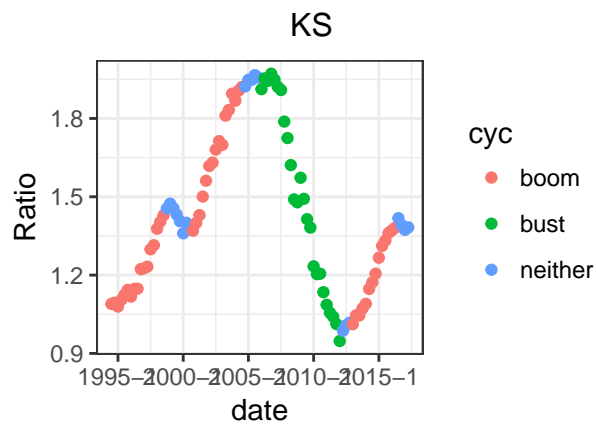


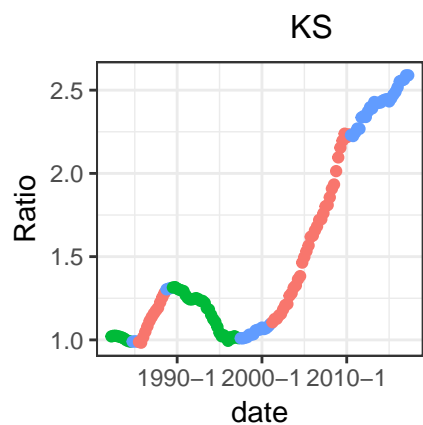


NZ



NO

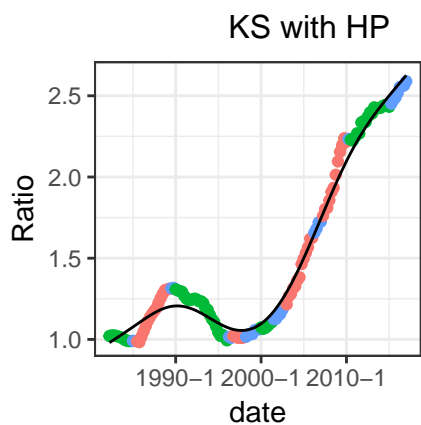




cyc

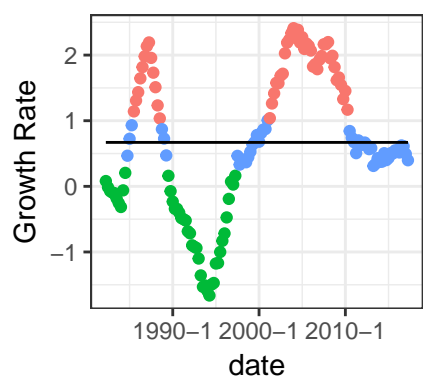
- boom
- bust
- neither

SE



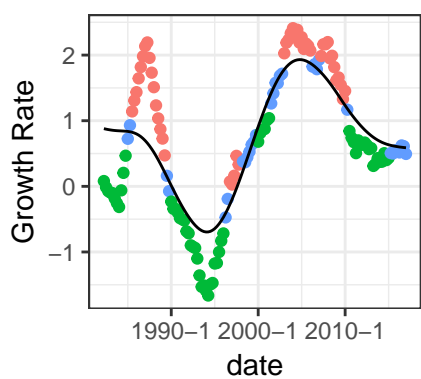
cyc

- boom
- bust
- neither



cyc

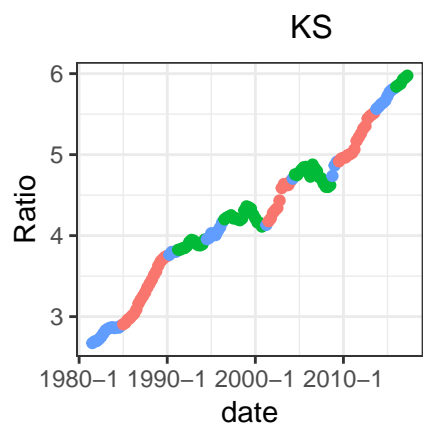
- boom
- bust
- neither



cyc

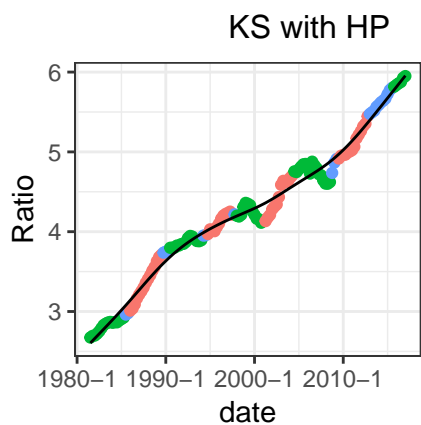
- boom
- bust
- neither

CH



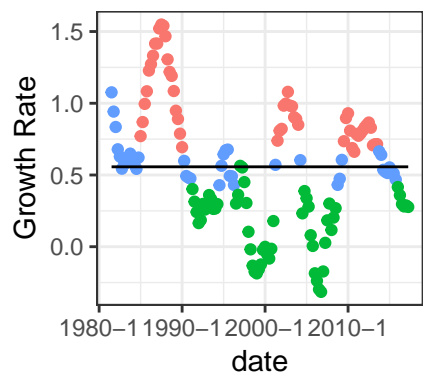
cyc

- boom
- bust
- neither



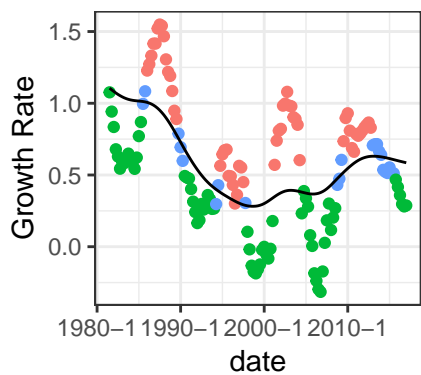
cyc

- boom
- bust
- neither



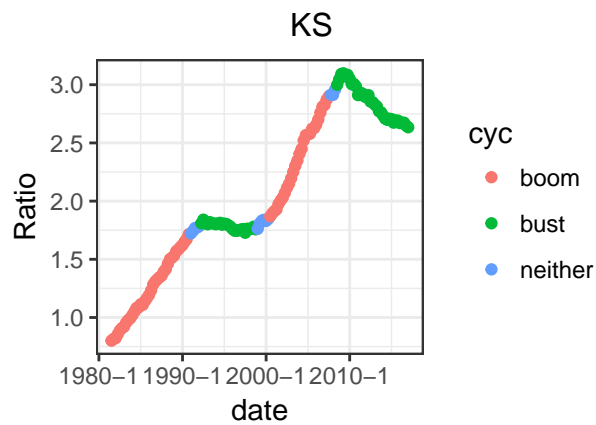
cyc

- boom
- bust
- neither

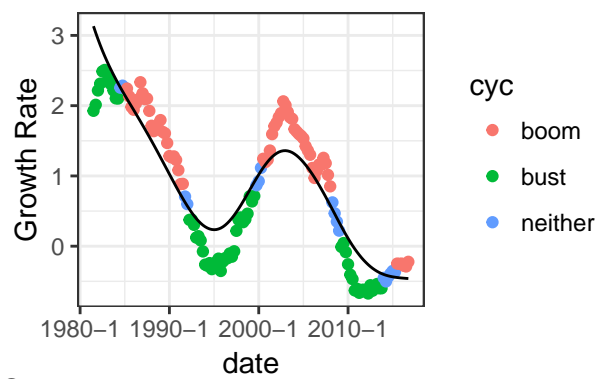
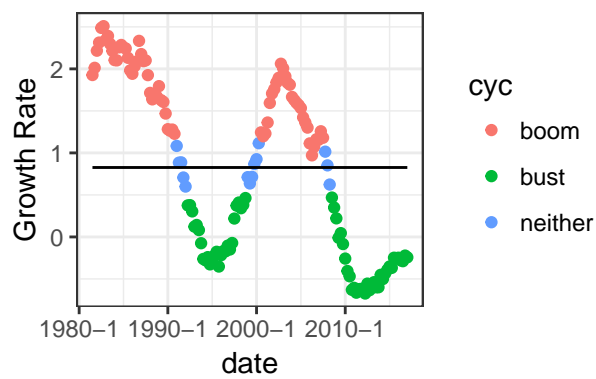
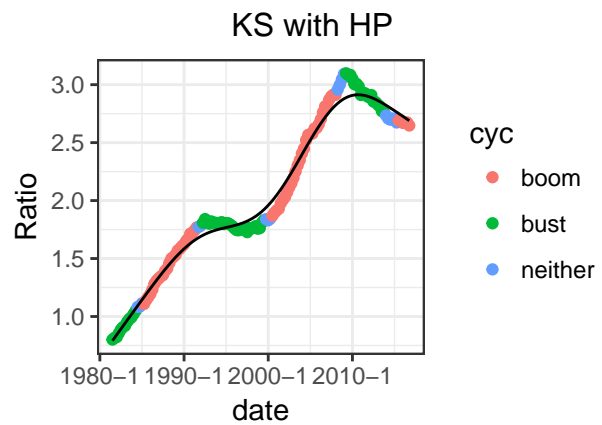


cyc

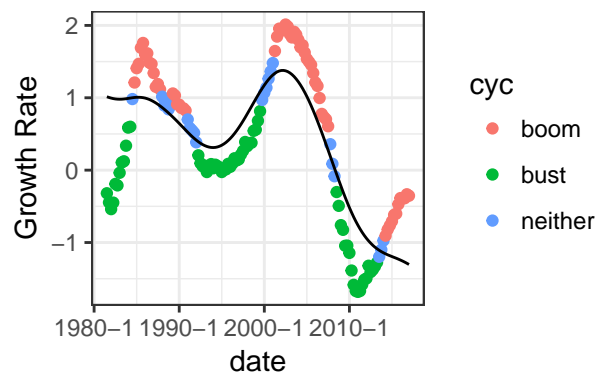
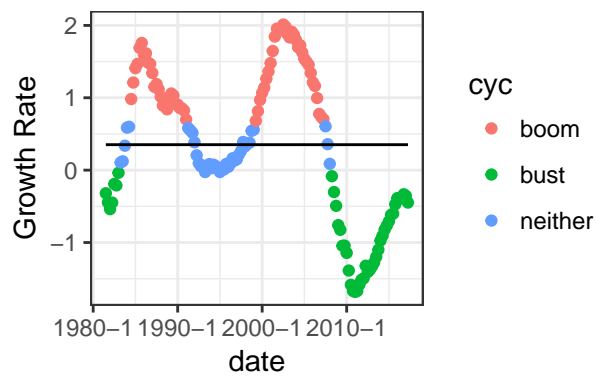
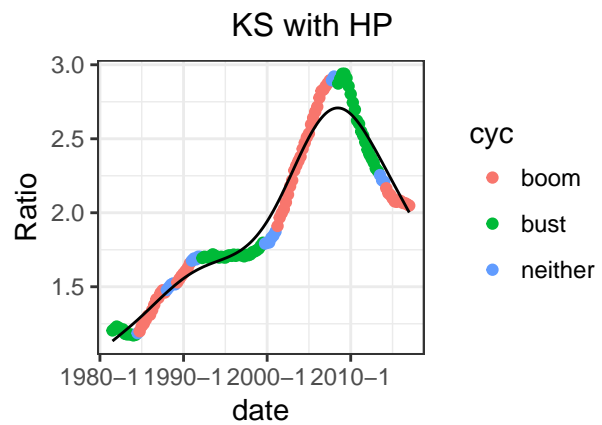
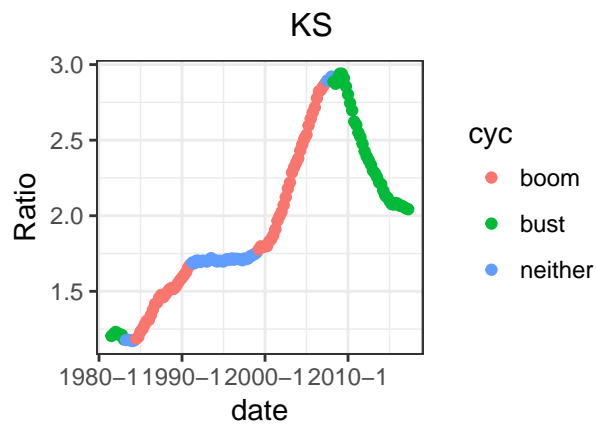
- boom
- bust
- neither

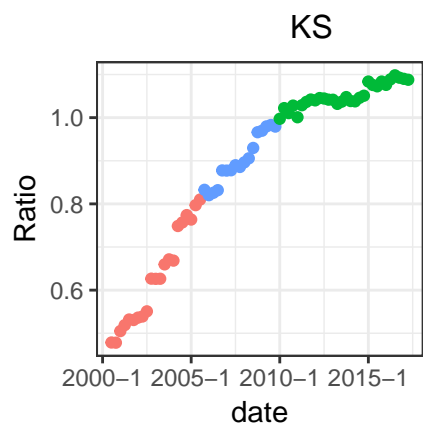


GB



US

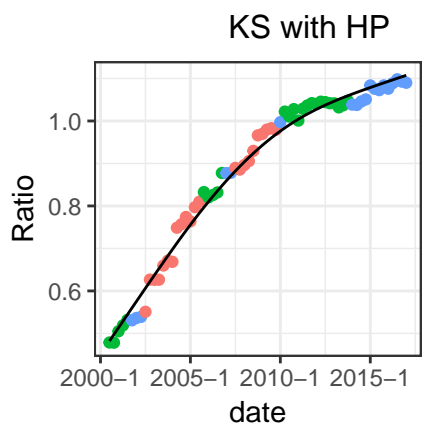




cyc

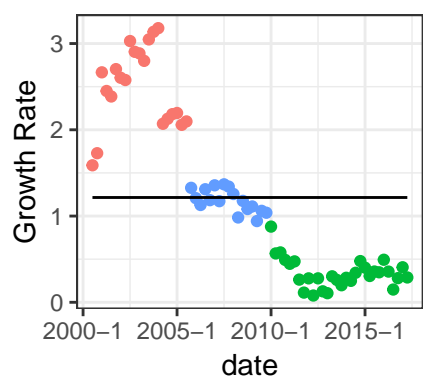
- boom
- bust
- neither

AT



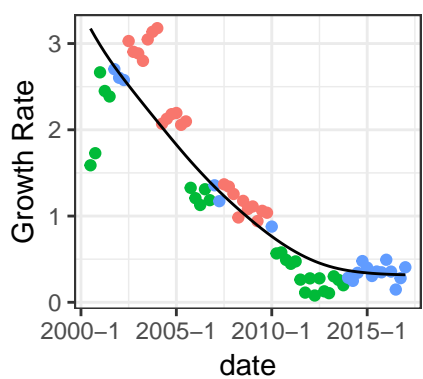
cyc

- boom
- bust
- neither



cyc

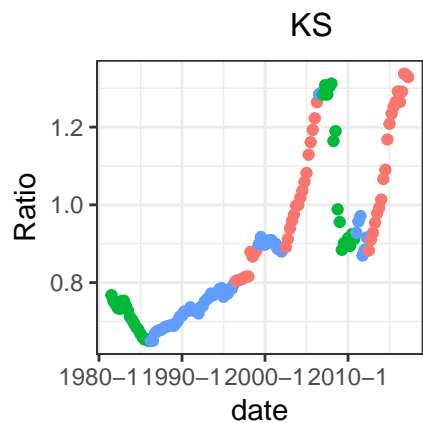
- boom
- bust
- neither



cyc

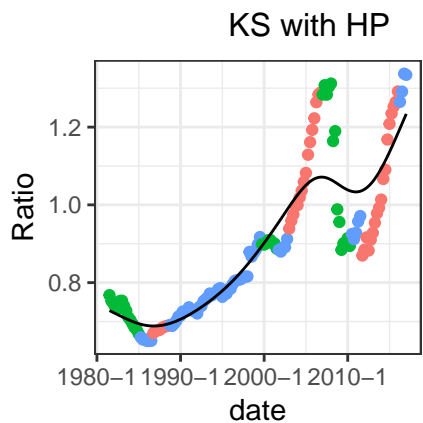
- boom
- bust
- neither

BE



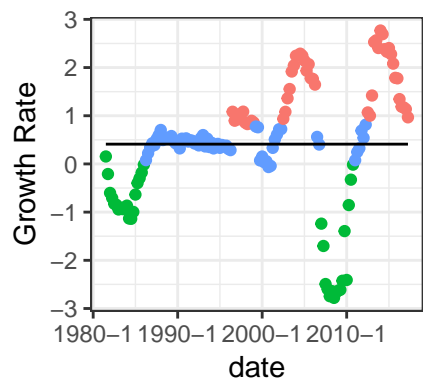
cyc

- boom
- bust
- neither



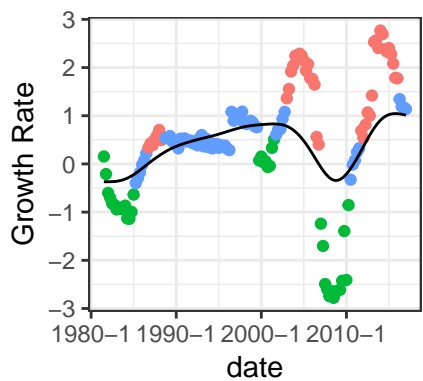
cyc

- boom
- bust
- neither



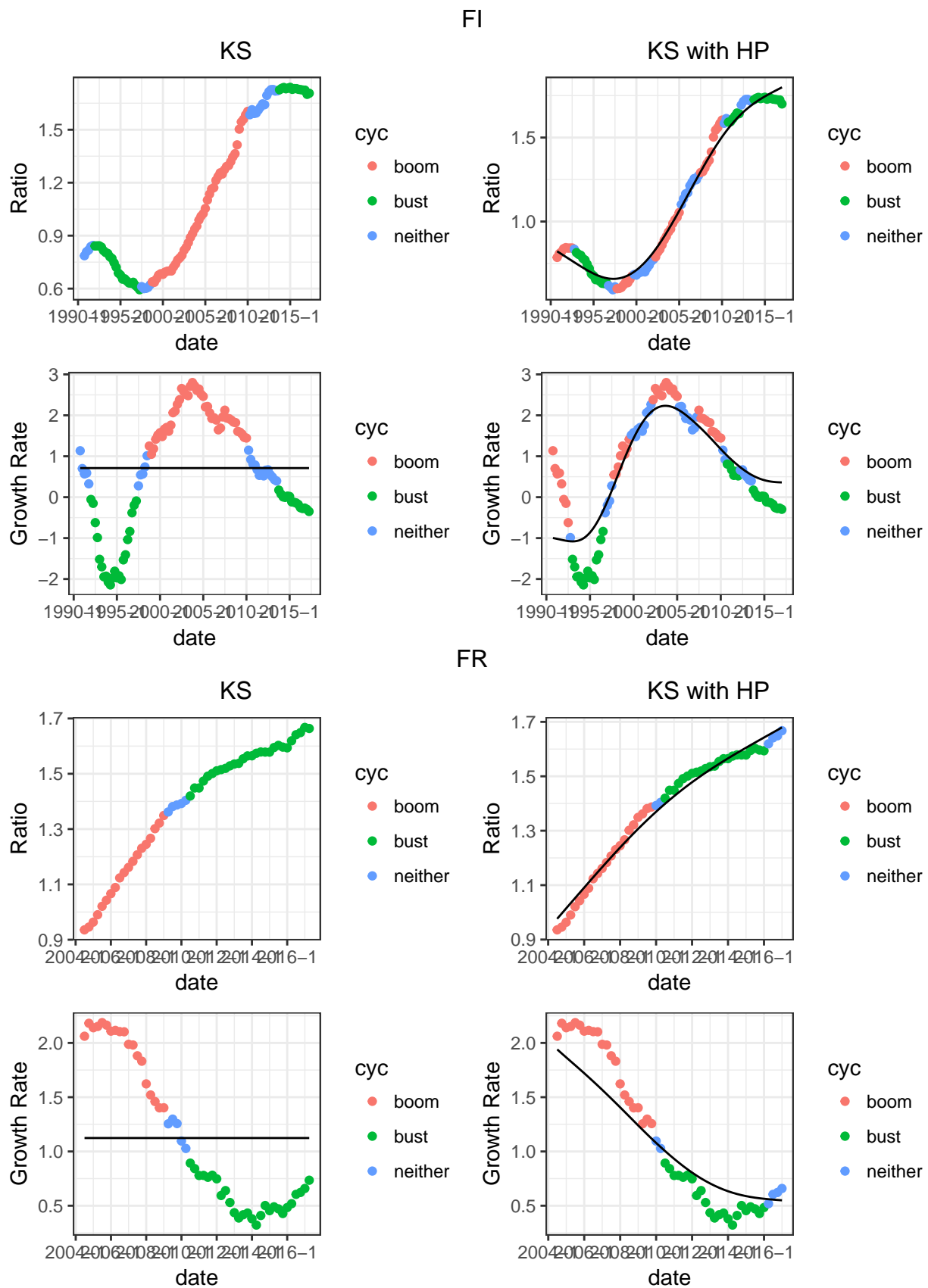
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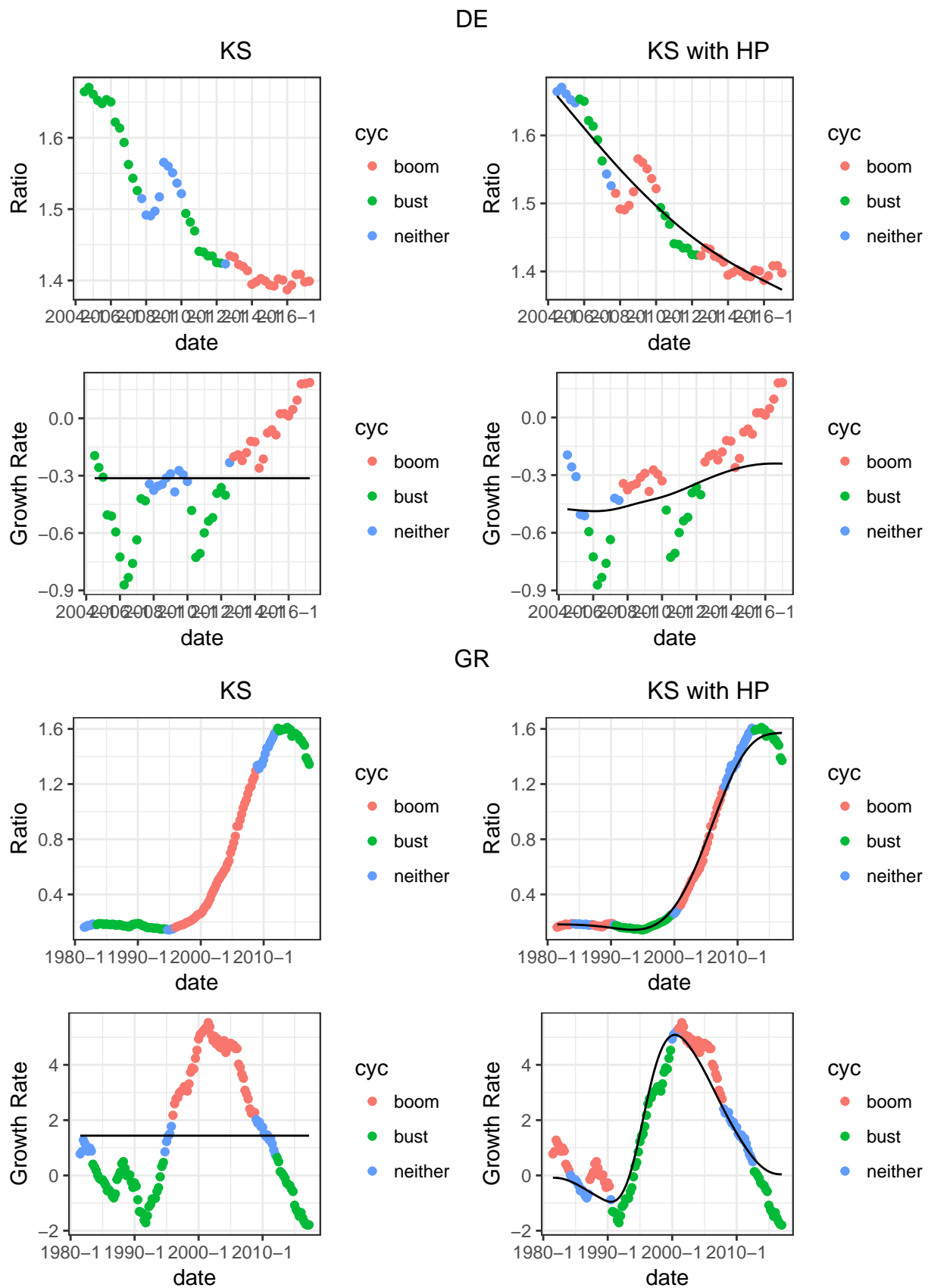
- boom
- bust
- neither

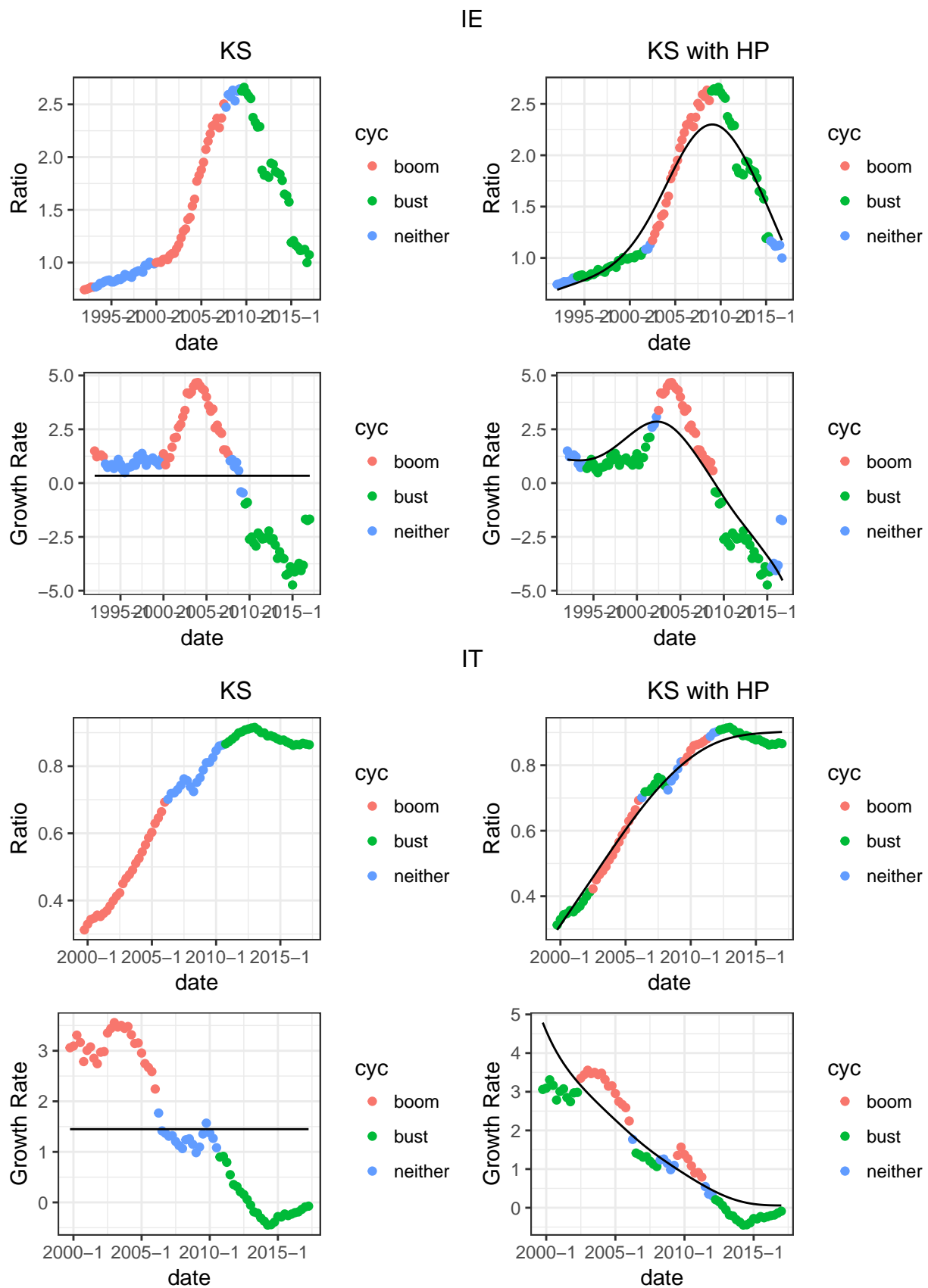


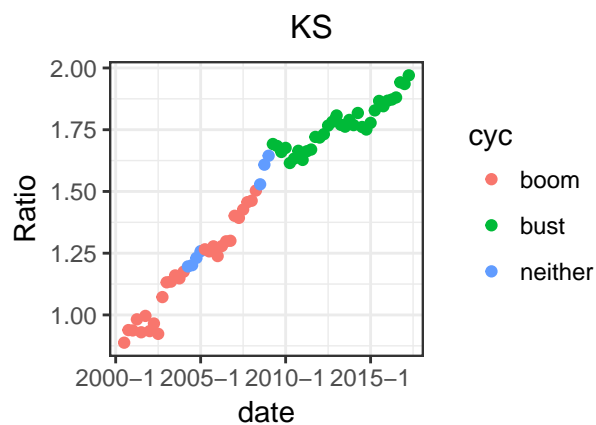
cyc

- boom
- bust
- neither

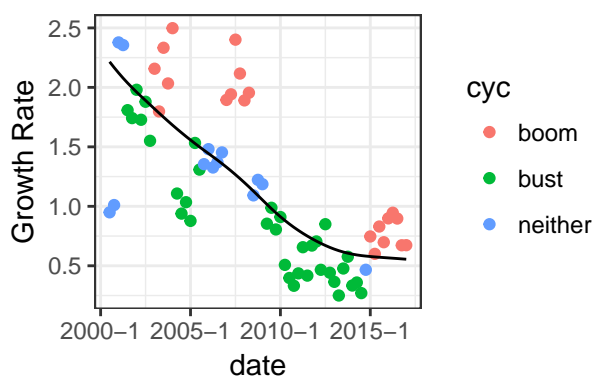
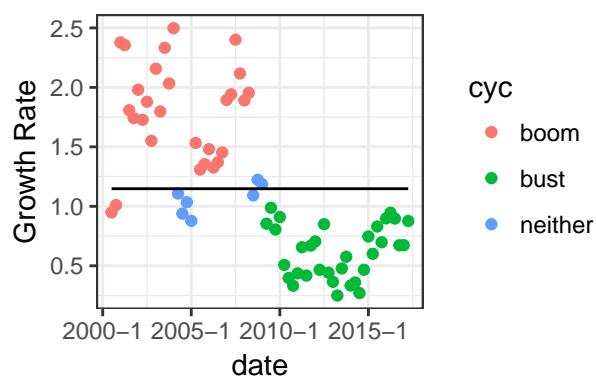
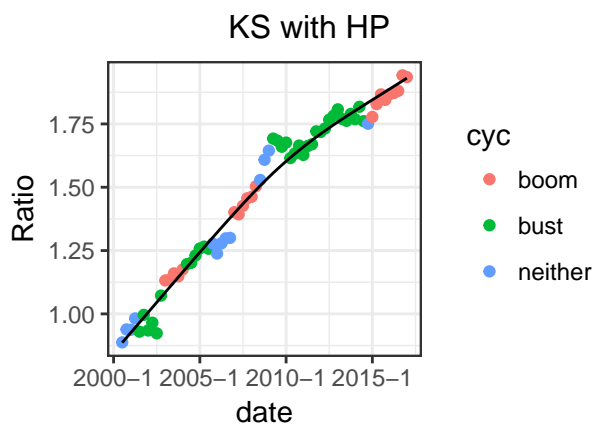




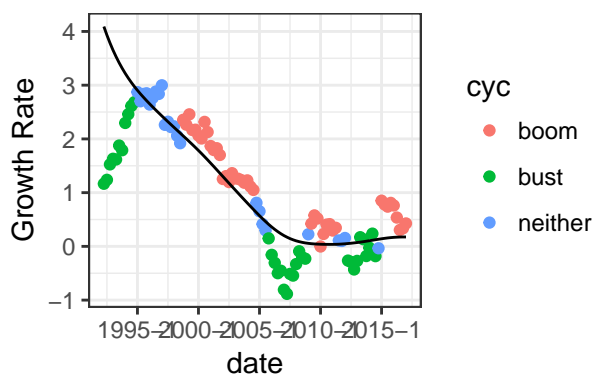
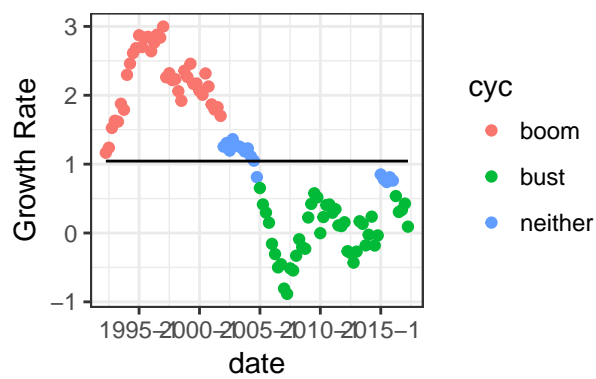
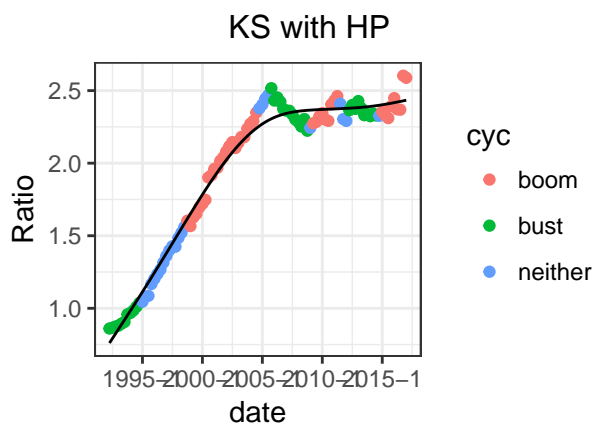
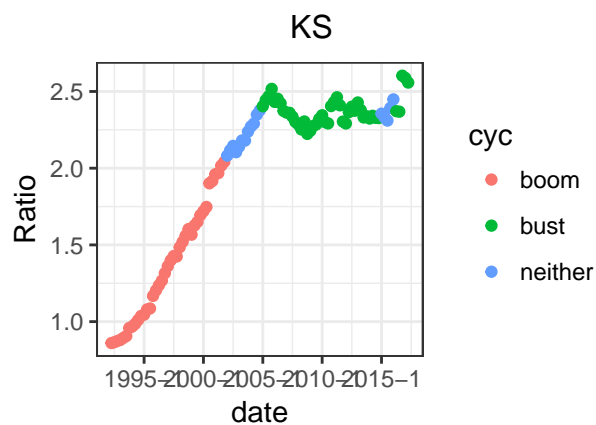


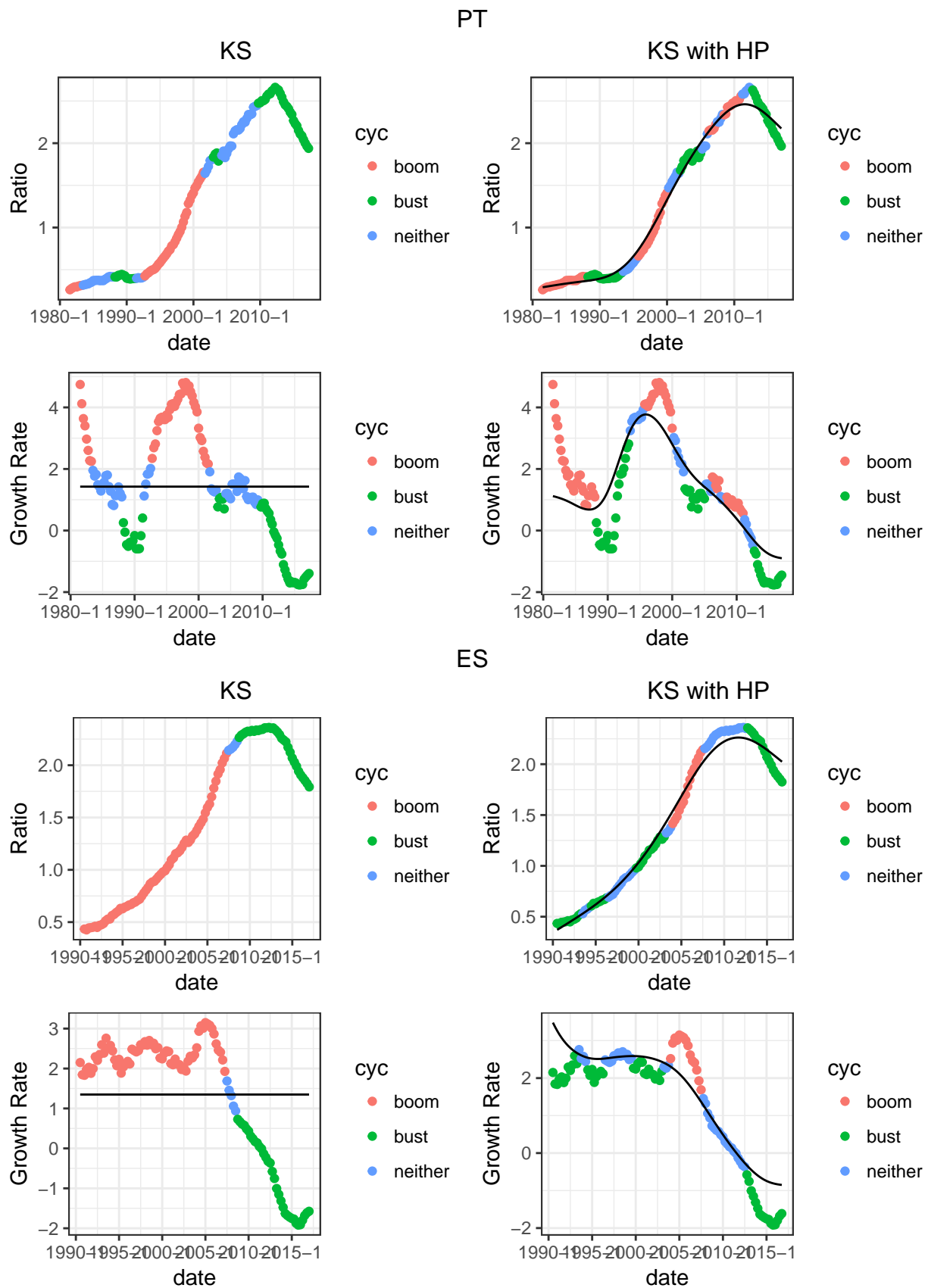


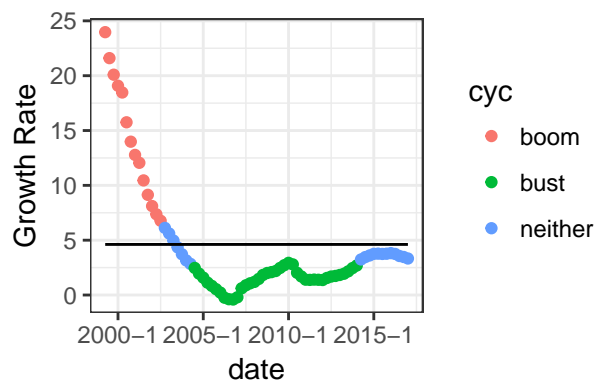
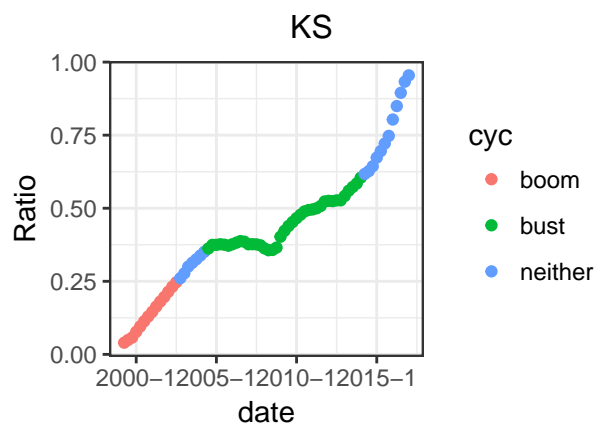
LU



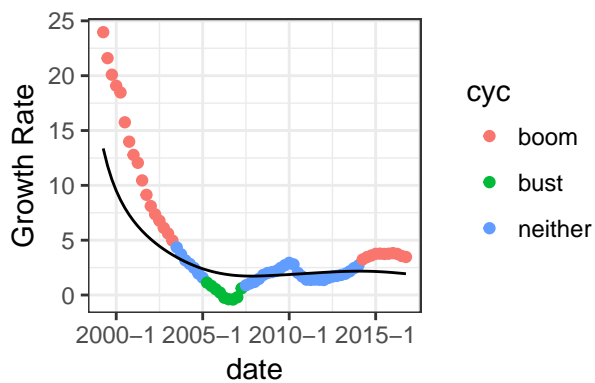
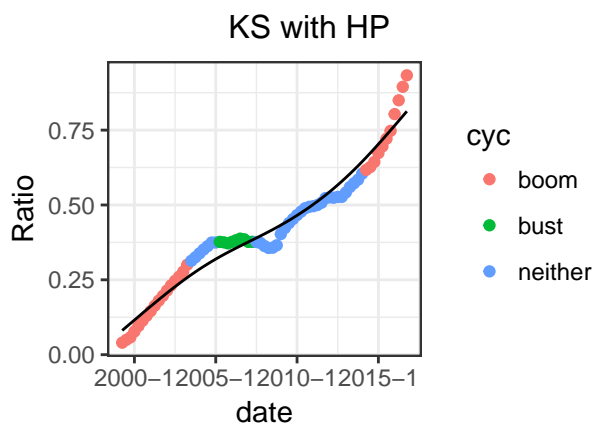
NL



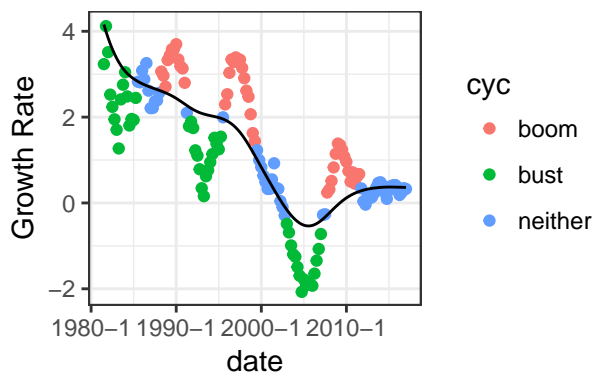
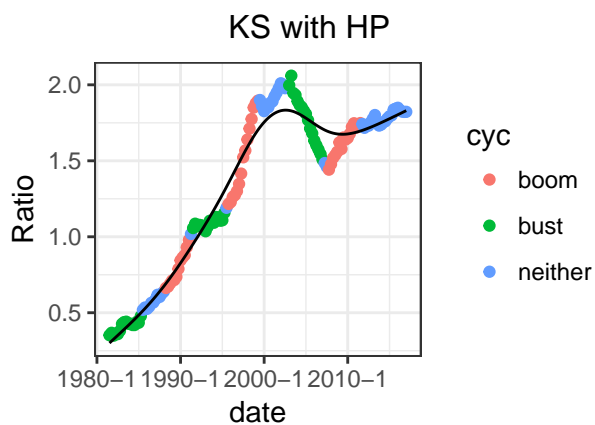
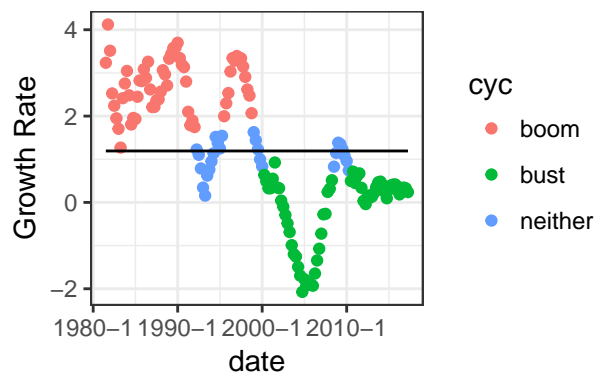
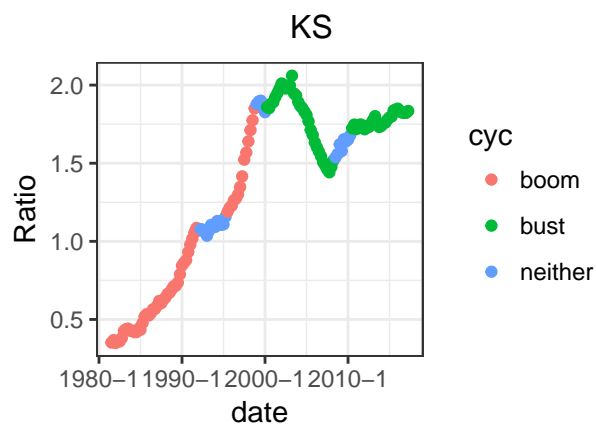


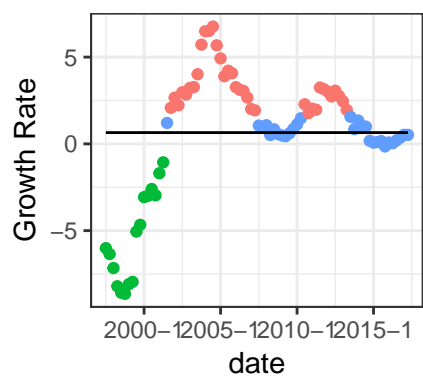
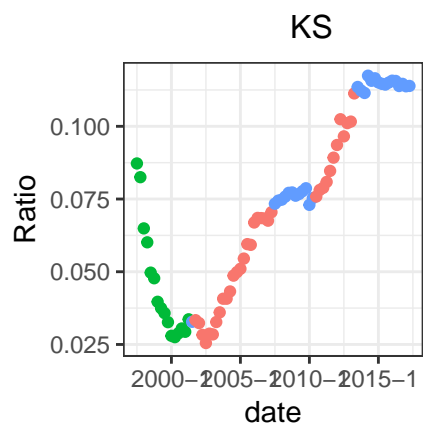
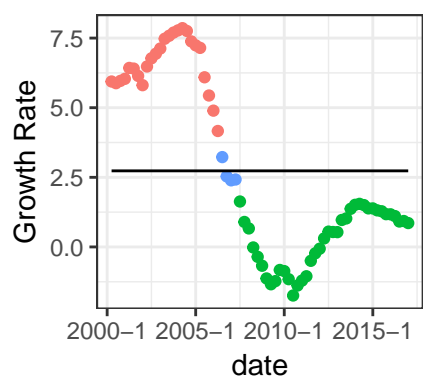
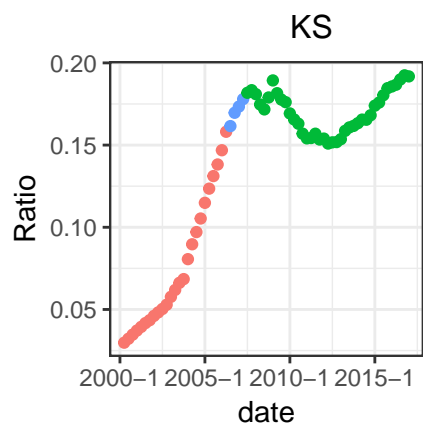


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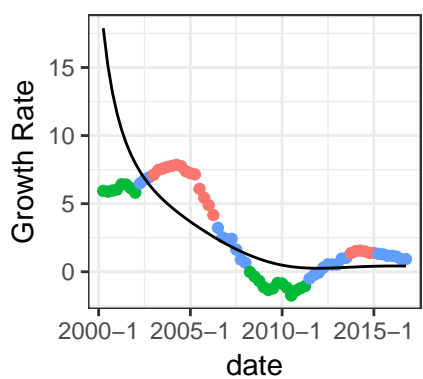
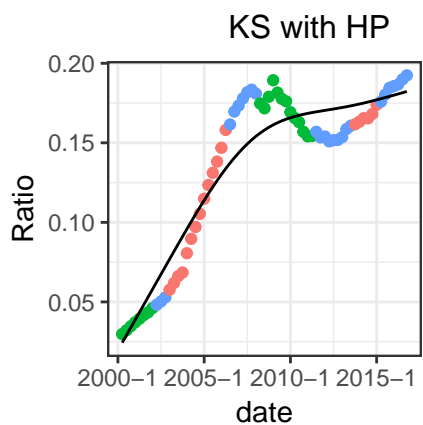


HK

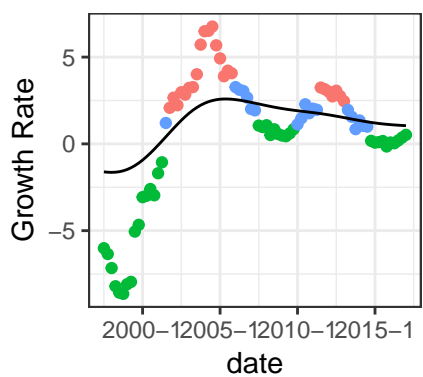
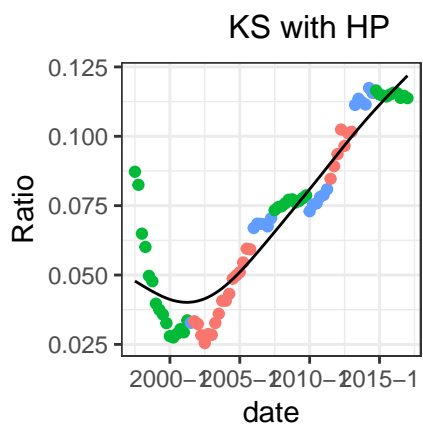


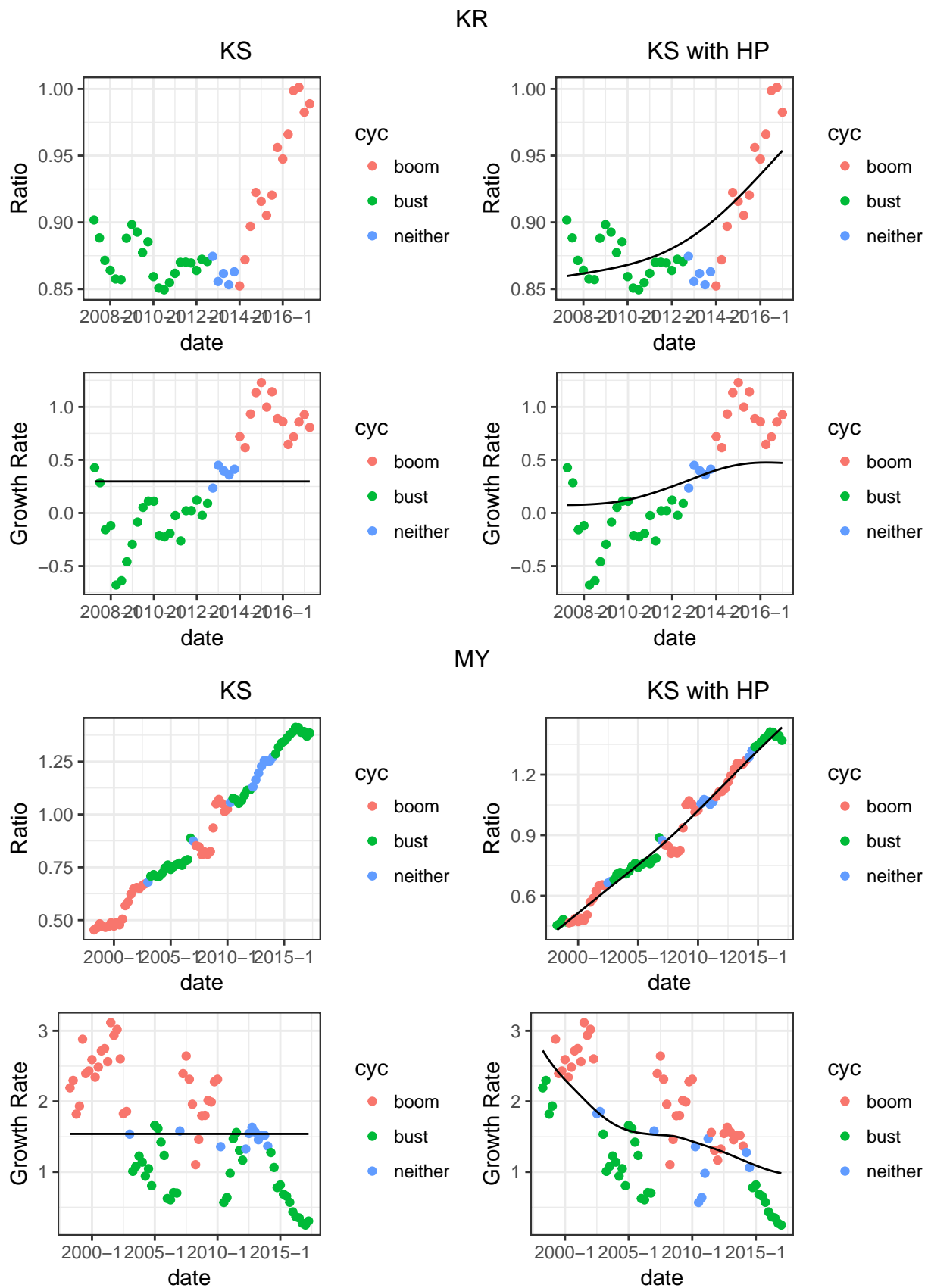


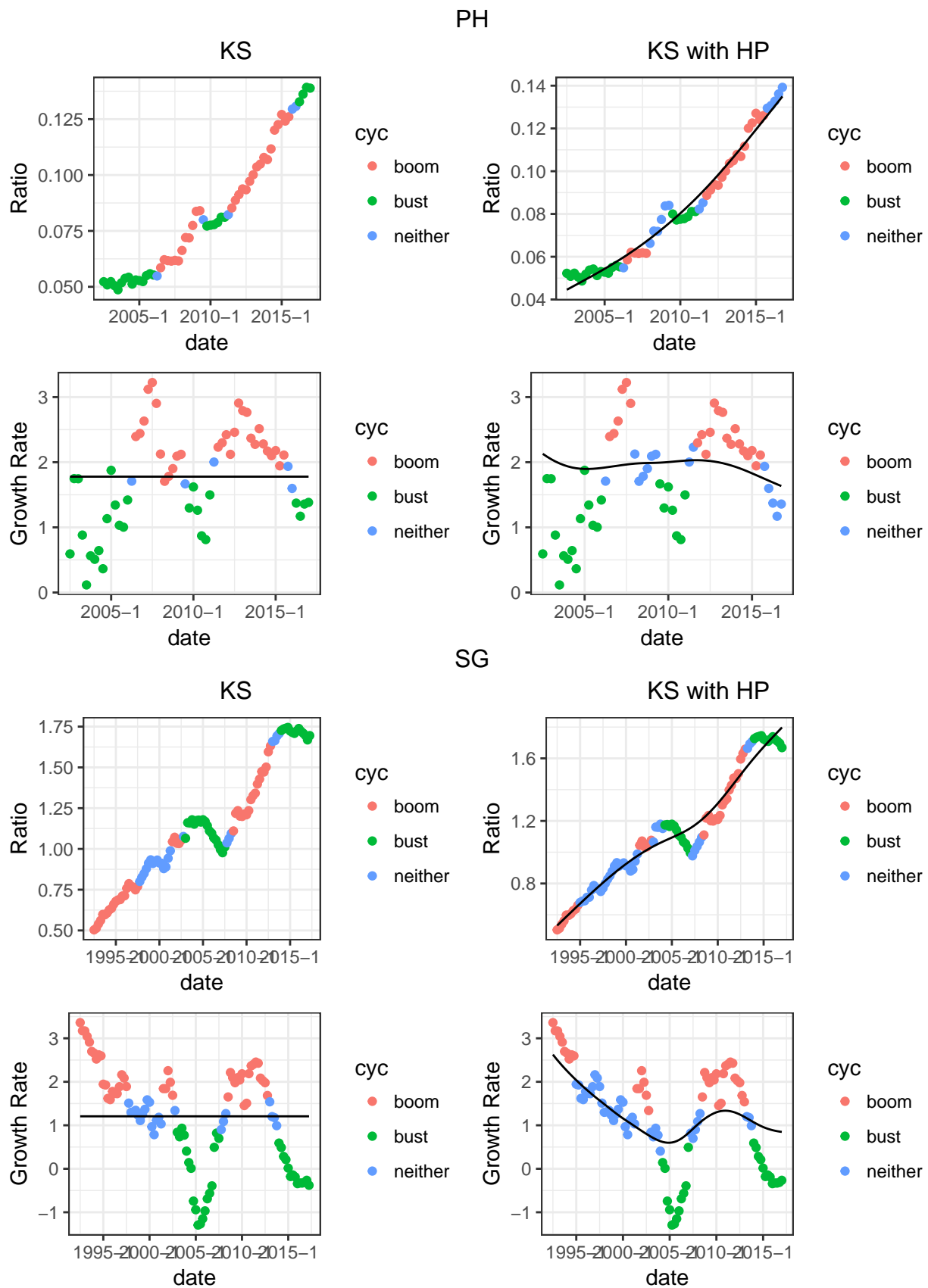
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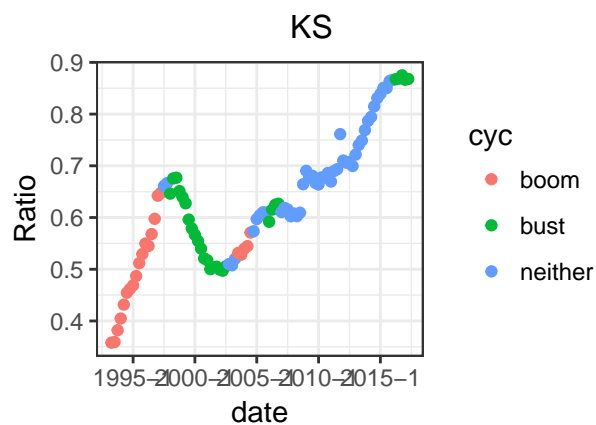


ID

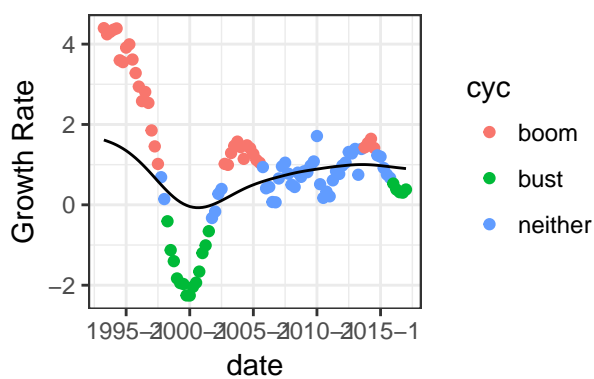
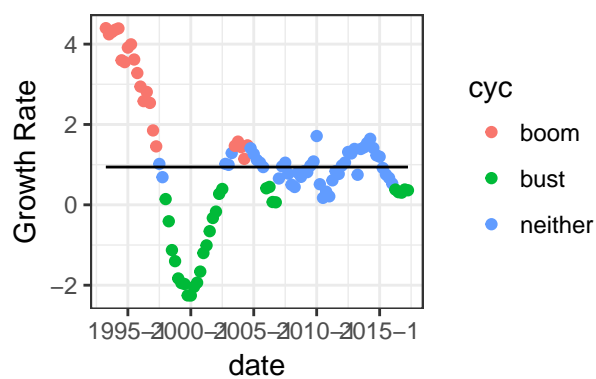
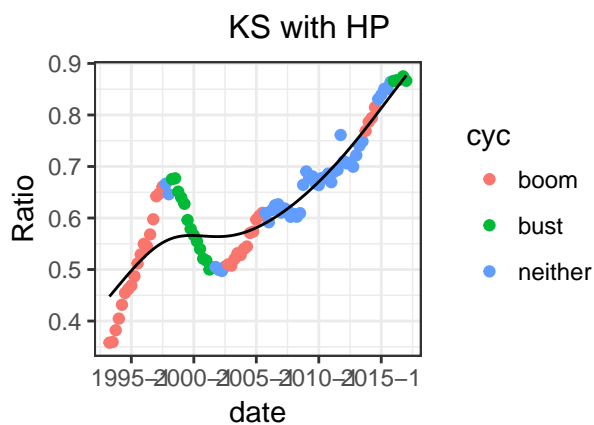




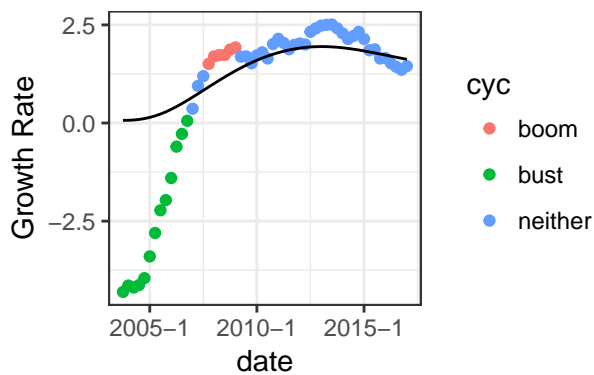
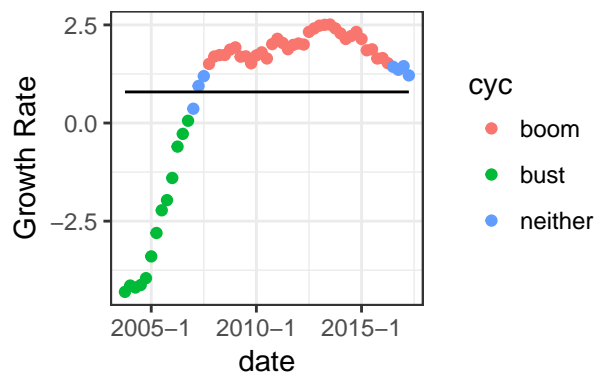
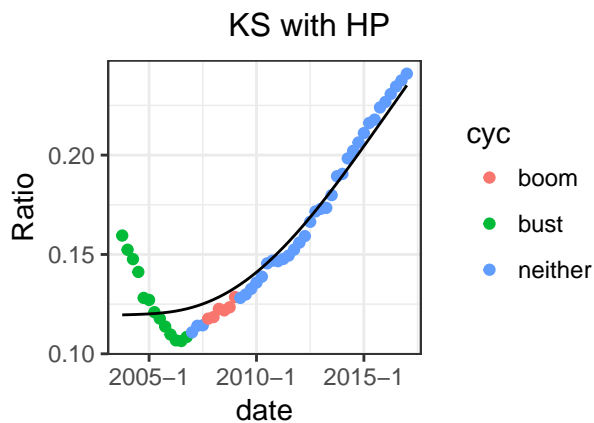
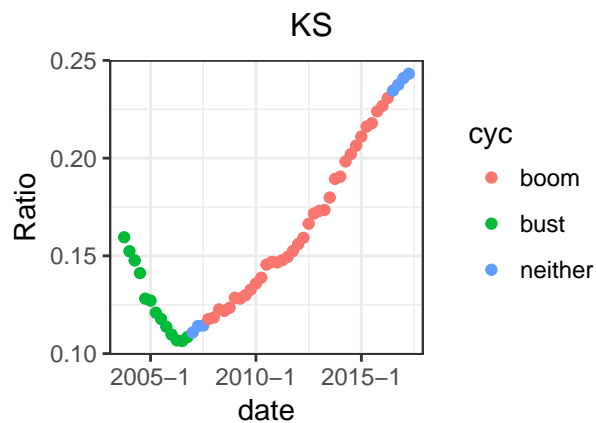




TH

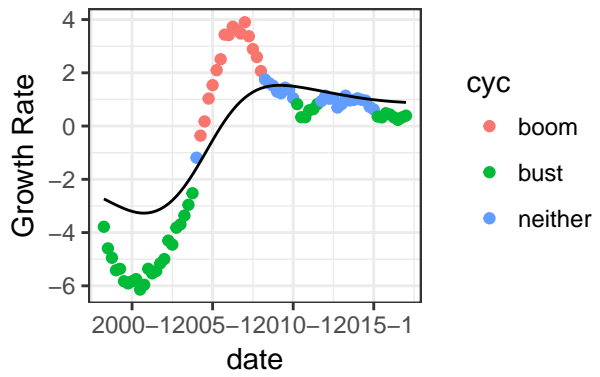
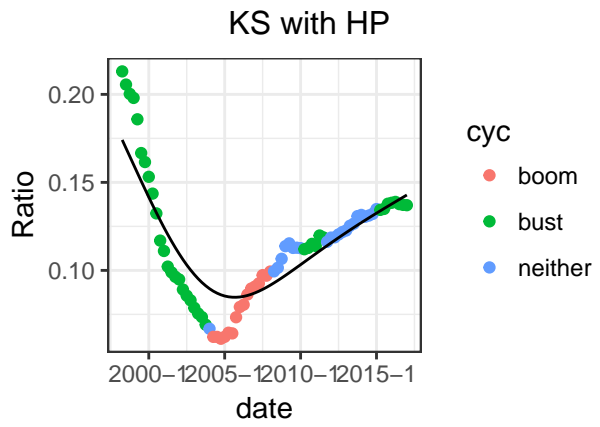
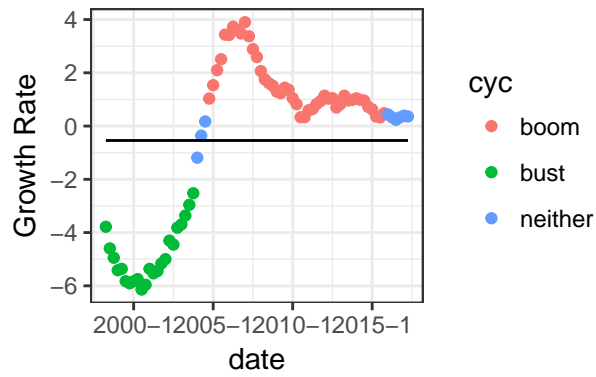
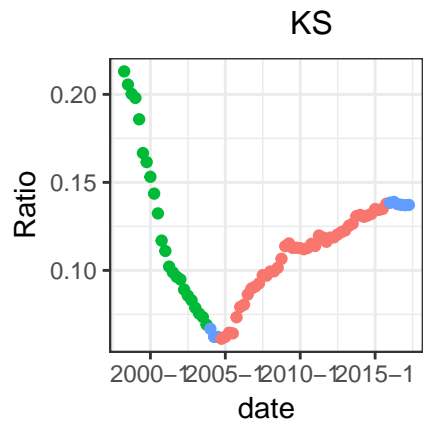


CO

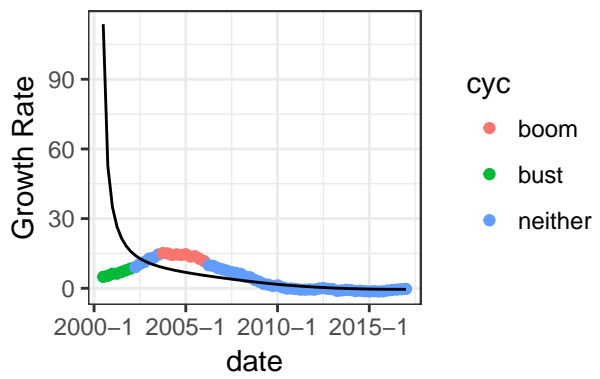
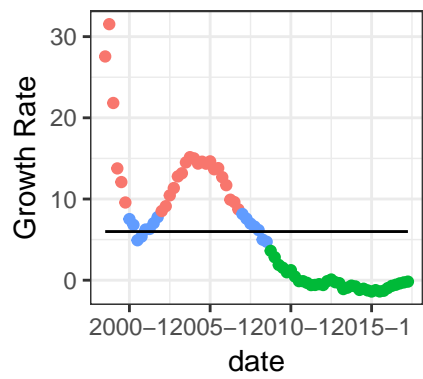
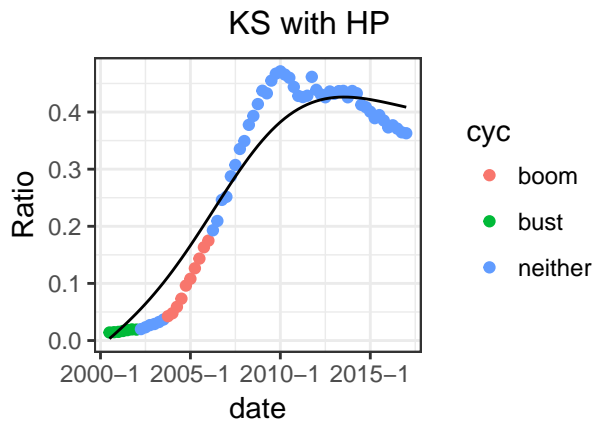
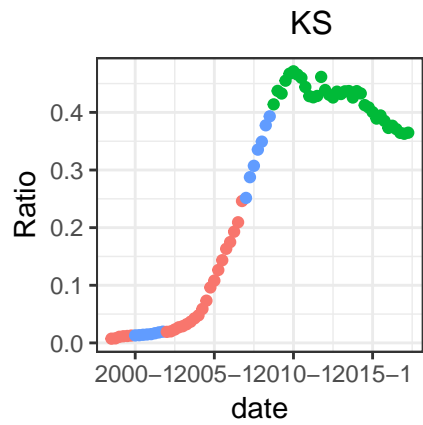


Warning in log(trend): NaNs produced

MX

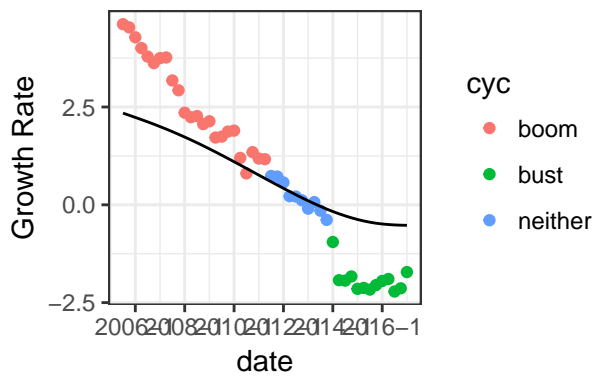
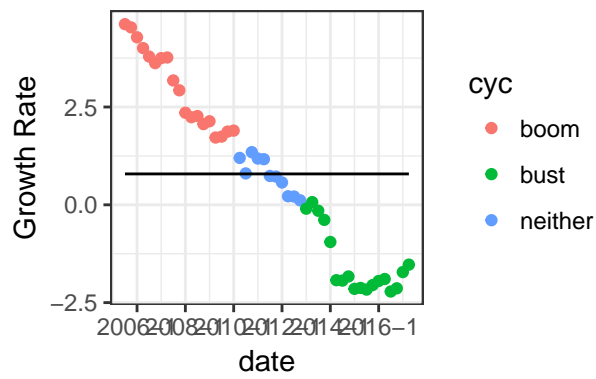
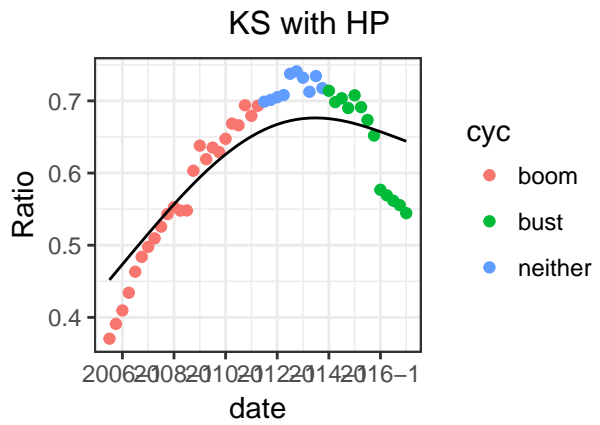
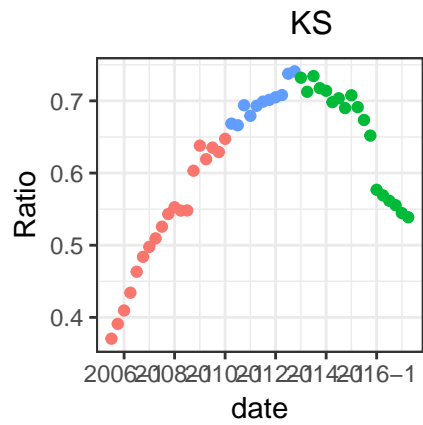


BG

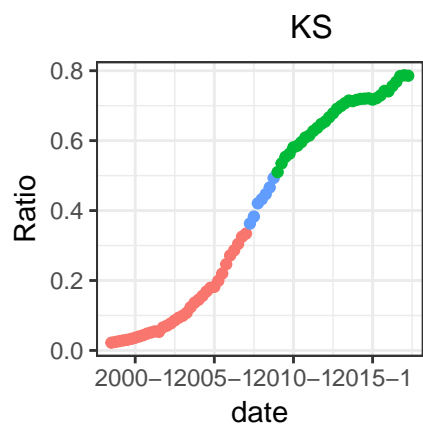


Warning in log(trend): NaNs produced

HR



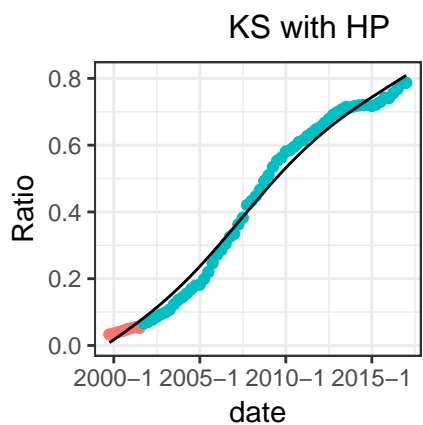
Warning in log(trend): NaNs produced



cyc

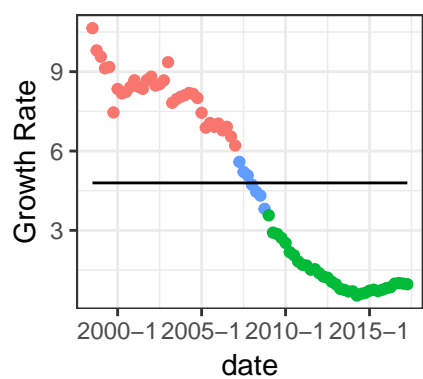
- boom
- bust
- neither

CZ



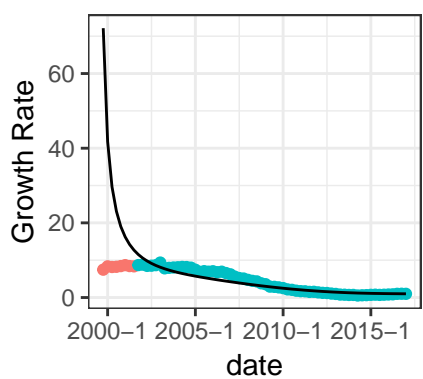
cyc

- bust
- neither



cyc

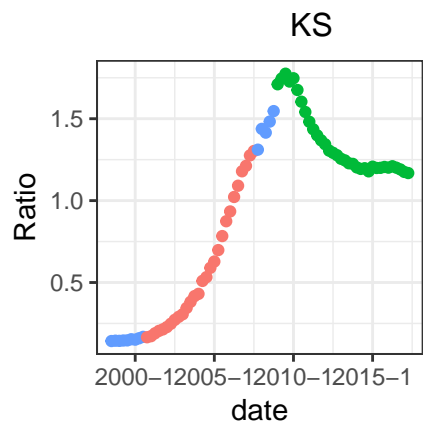
- boom
- bust
- neither



cyc

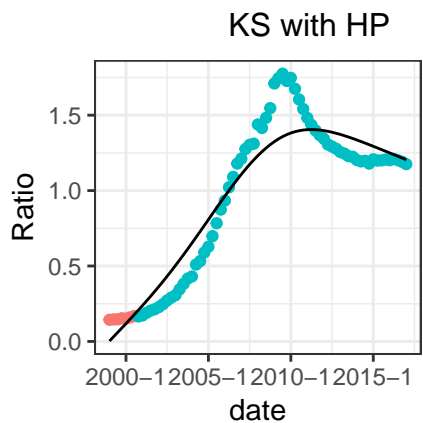
- bust
- neither

EE



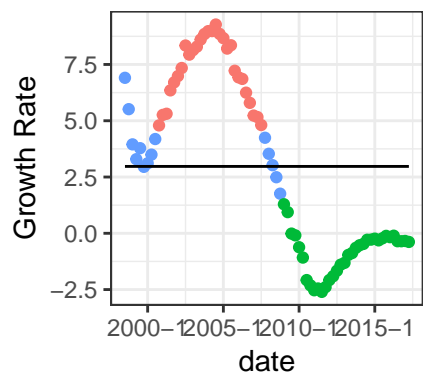
cyc

- boom
- bust
- neither



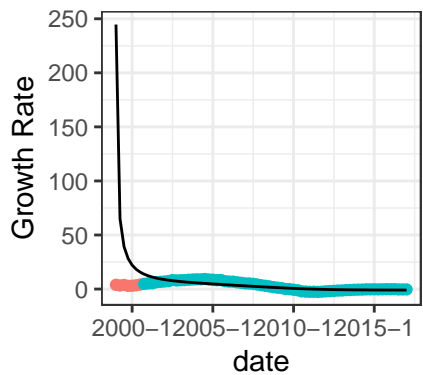
cyc

- bust
- neither



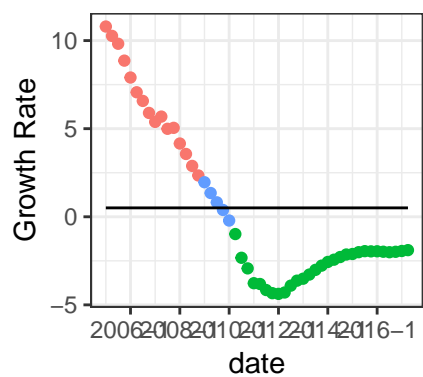
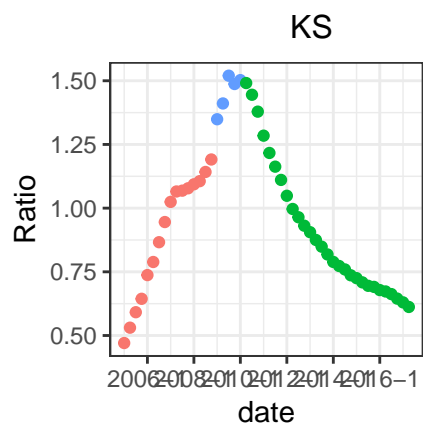
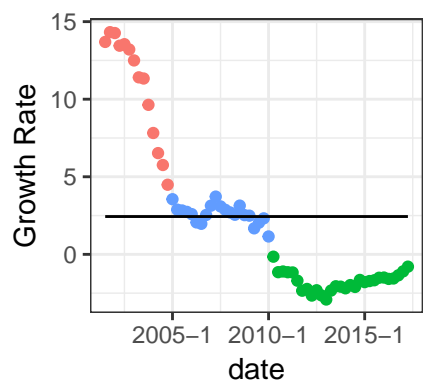
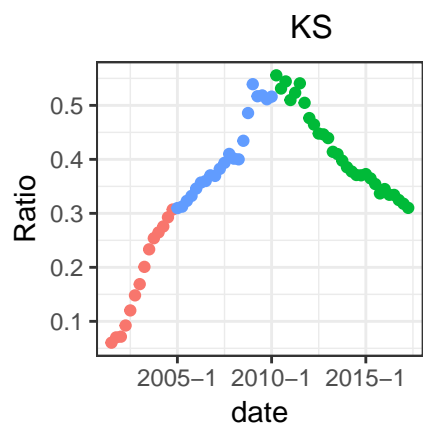
cyc

- boom
- bust
- neither

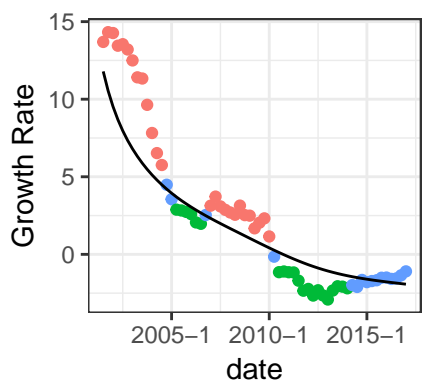
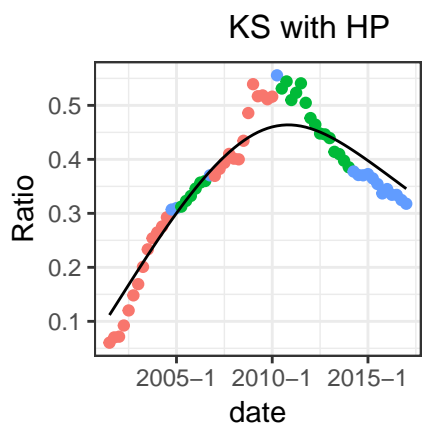


cyc

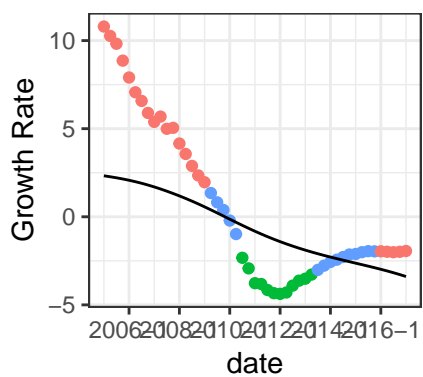
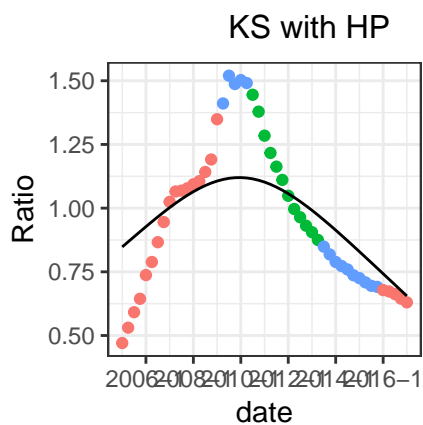
- bust
- neither



HU

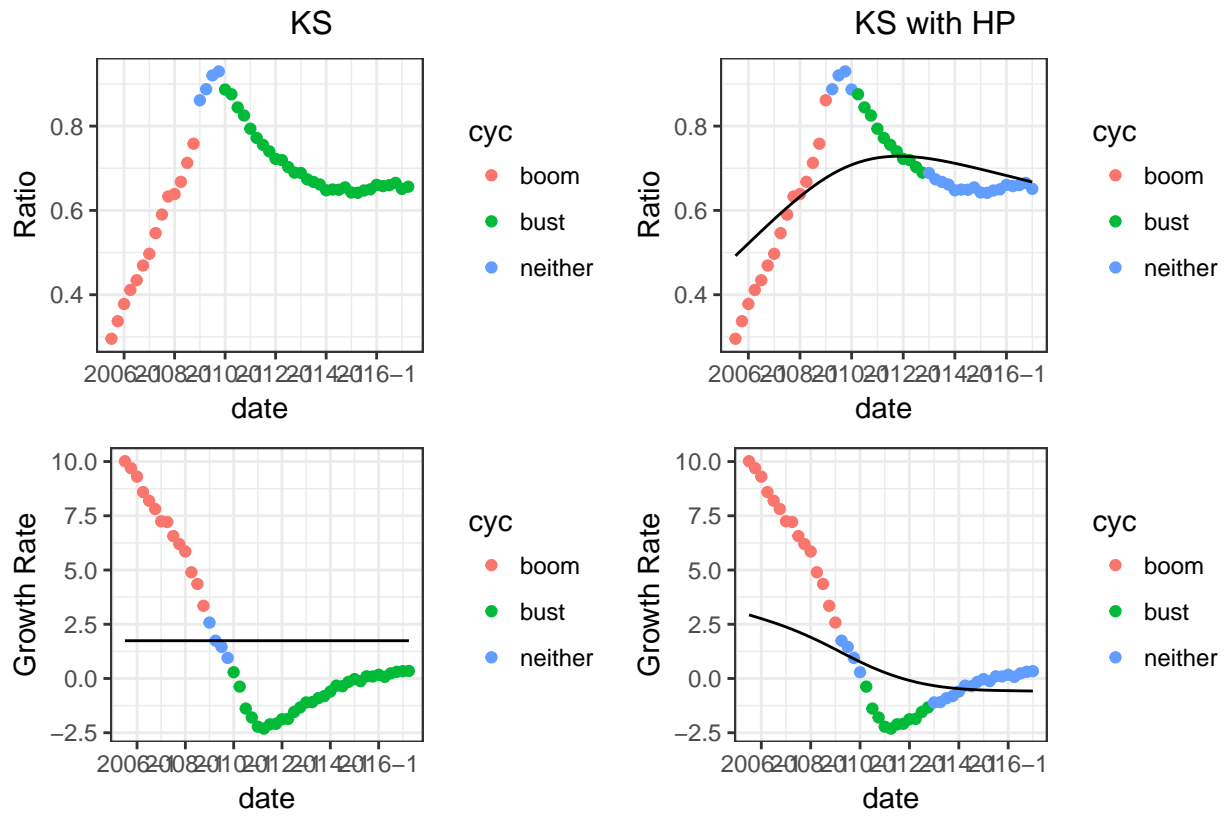


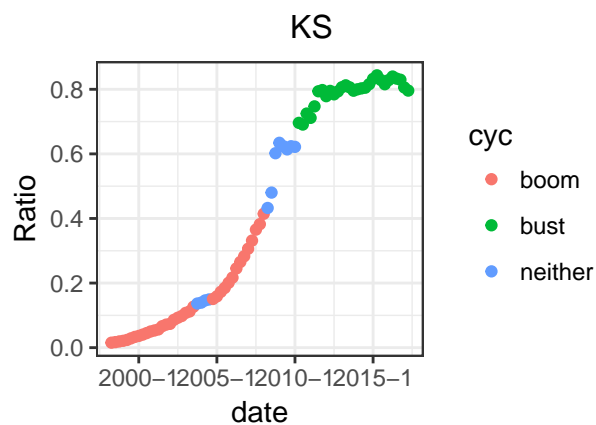
LV



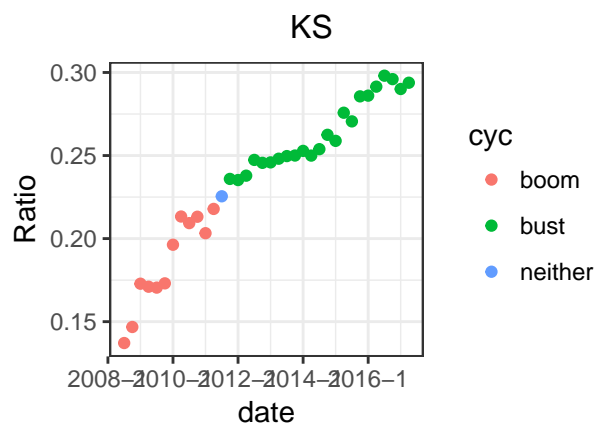
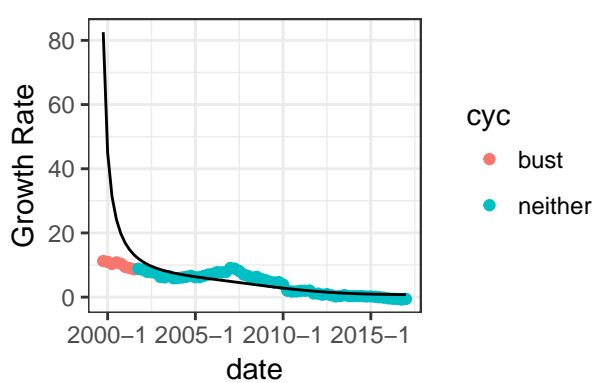
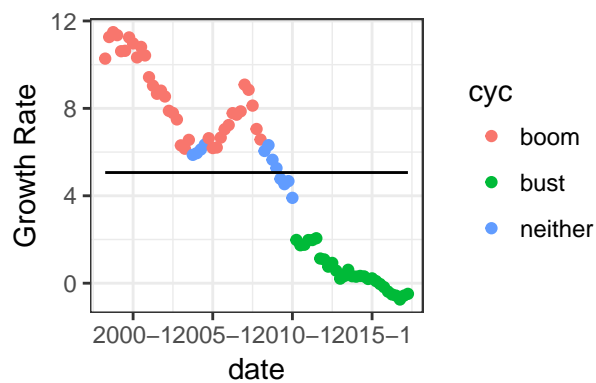
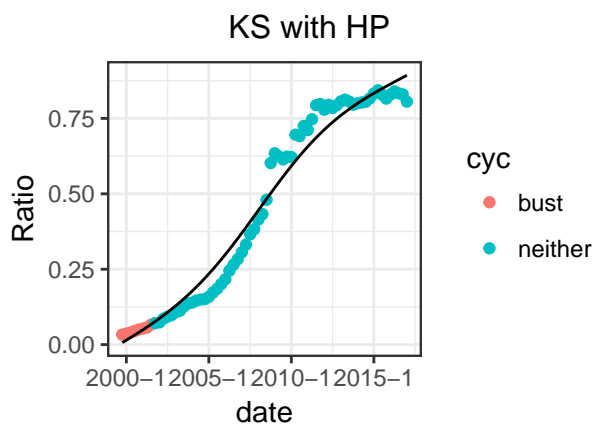
Warning in log(trend): NaNs produced

LT

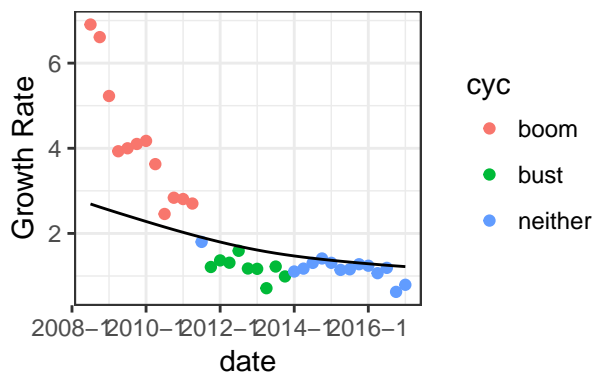
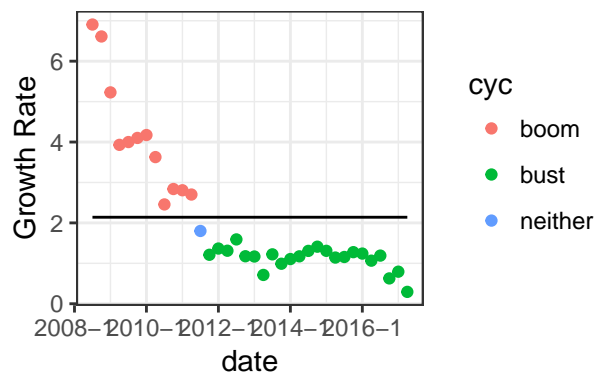
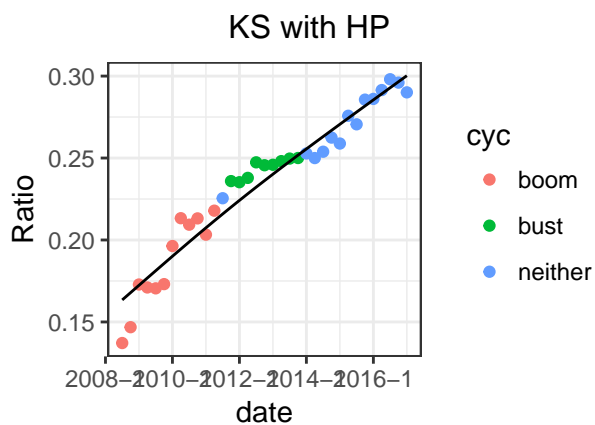


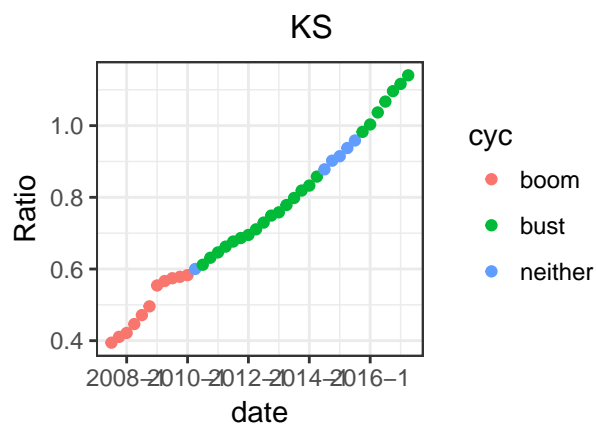


PL

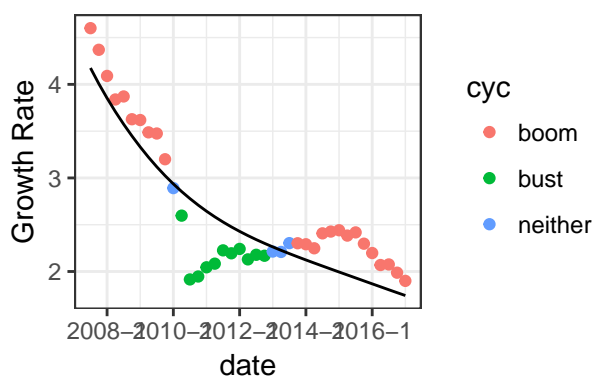
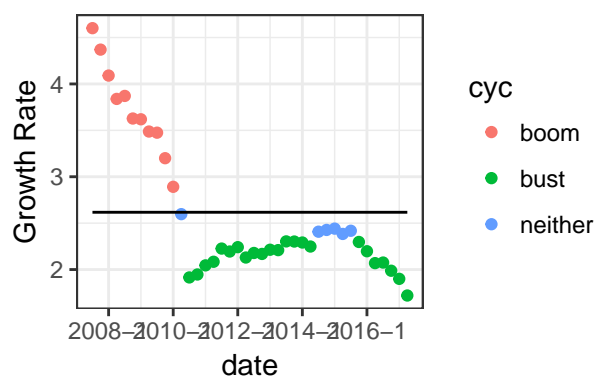
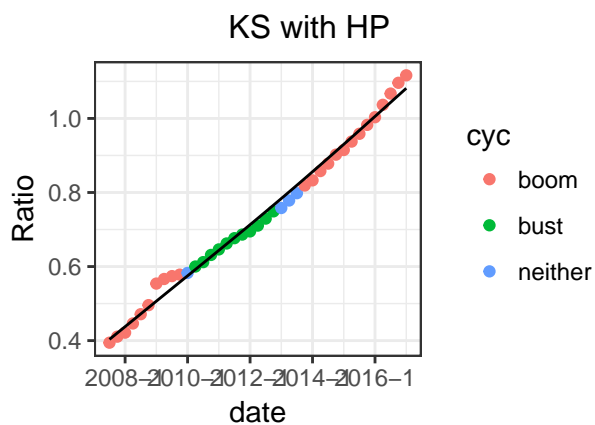


RO

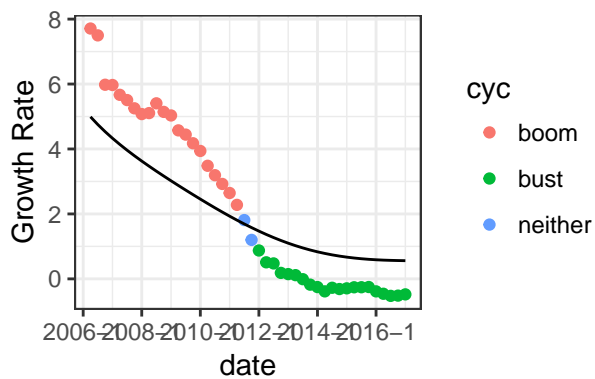
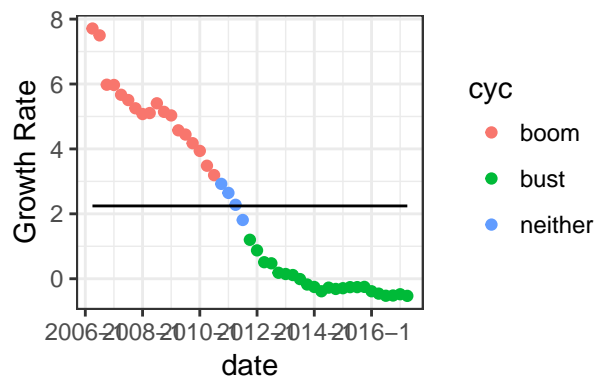
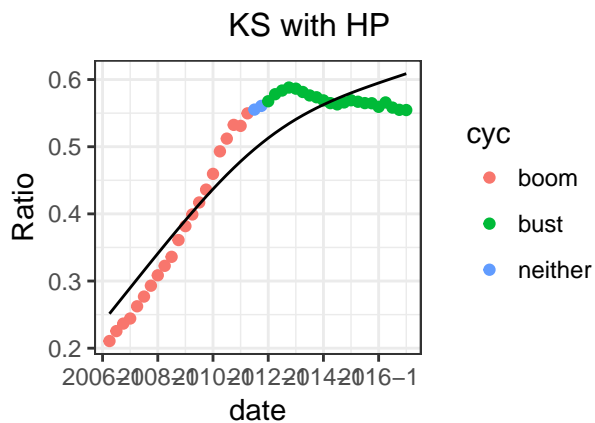
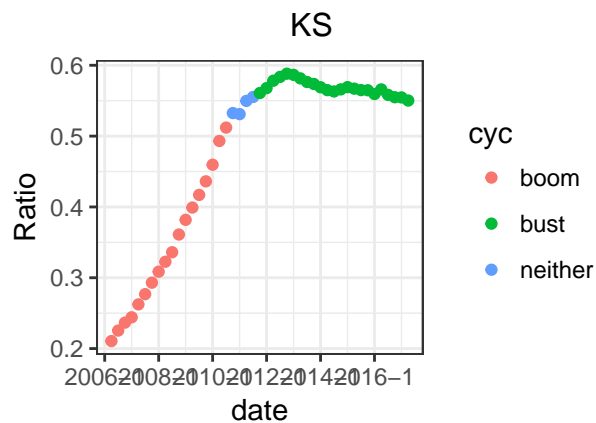


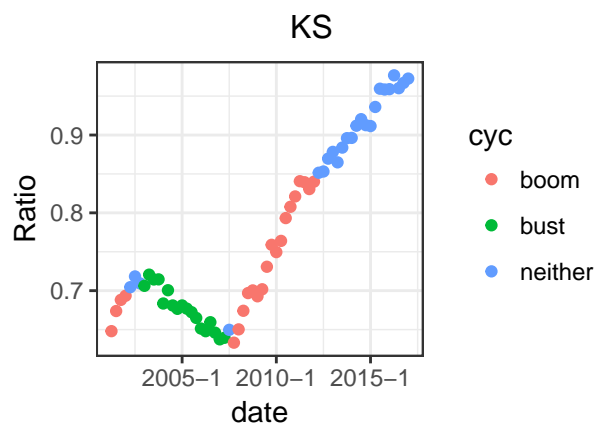


SK

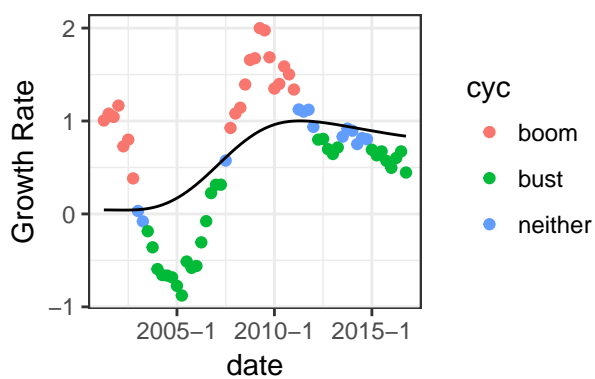
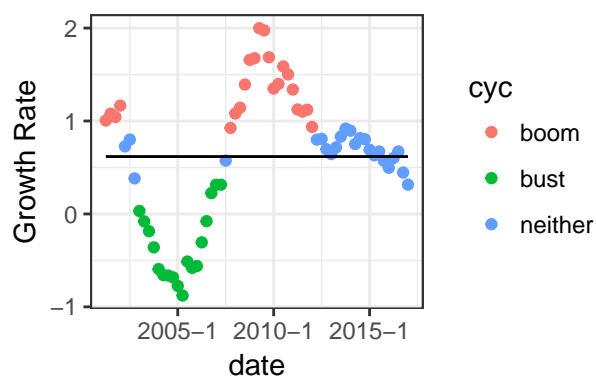
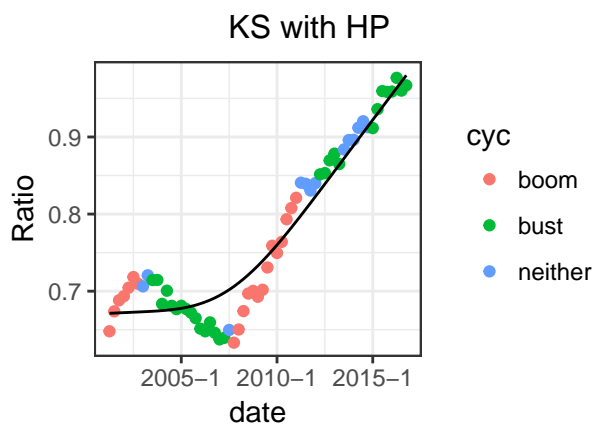


SI

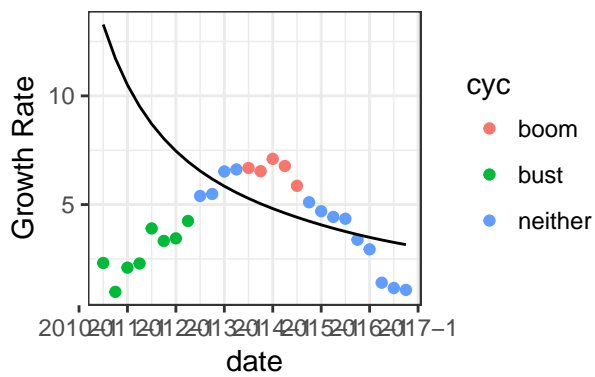
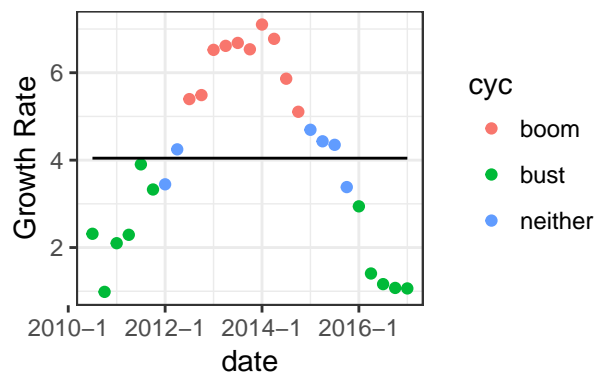
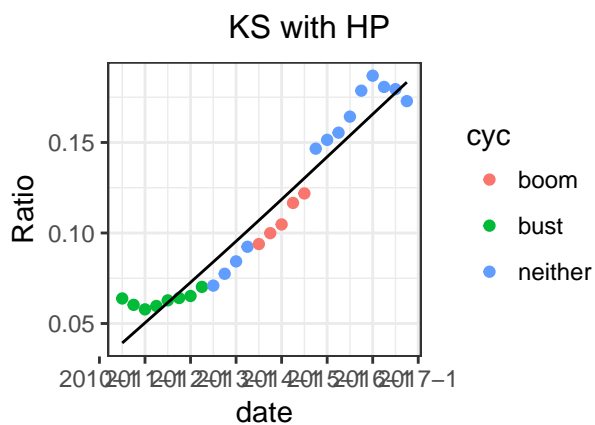
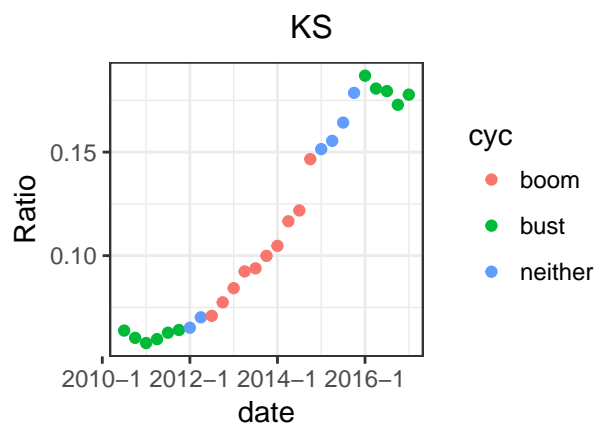


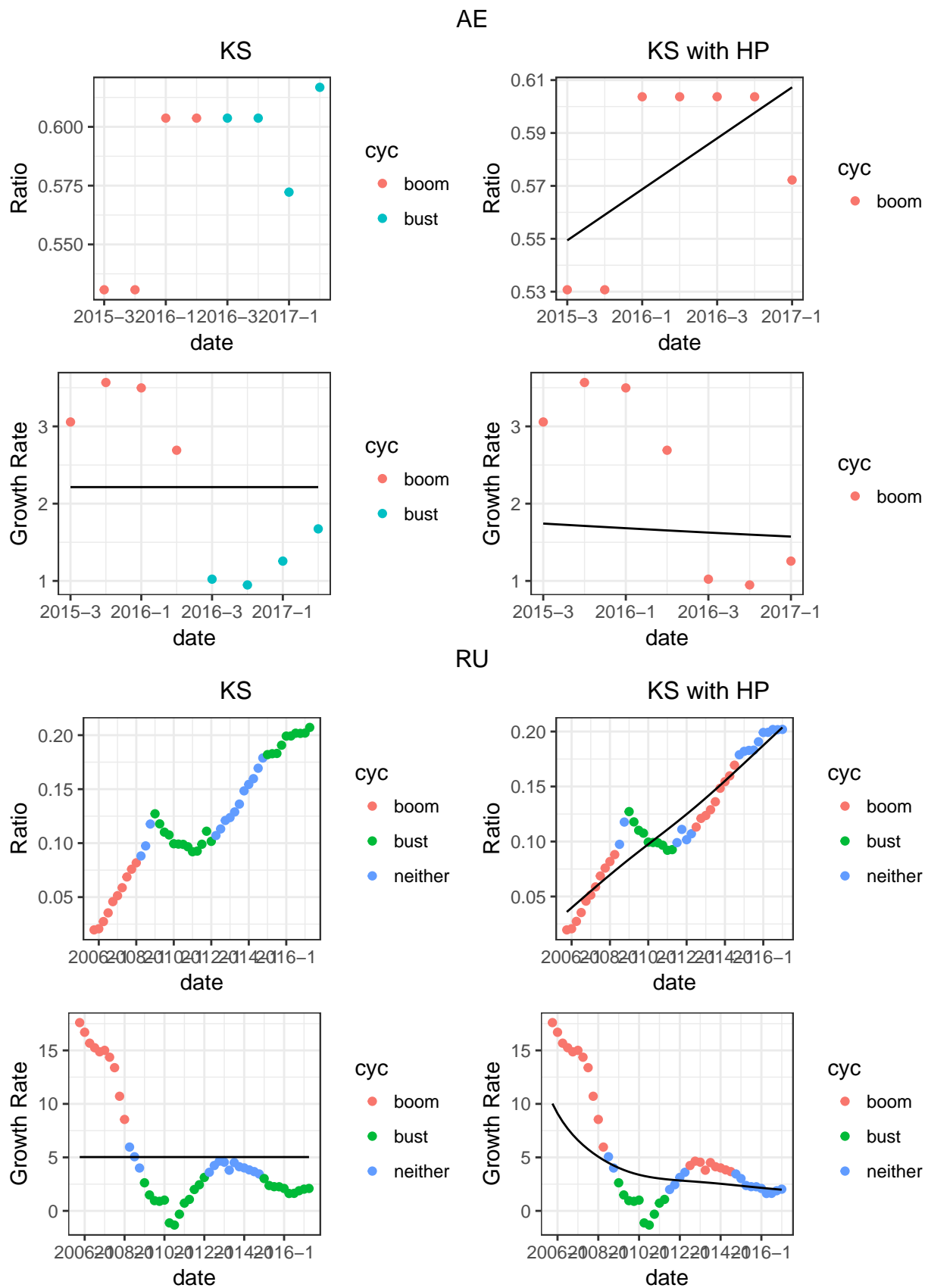


IL

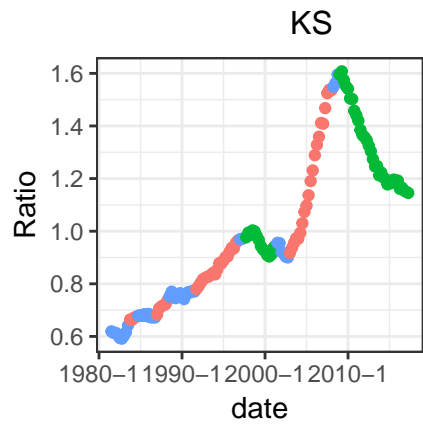


SA

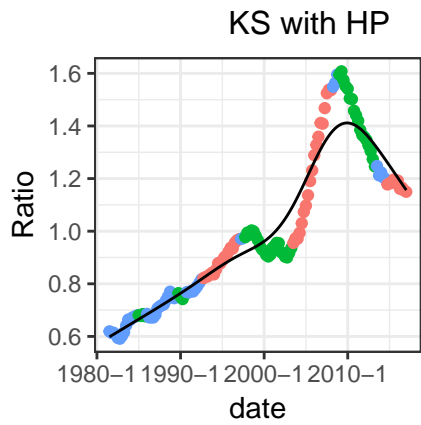




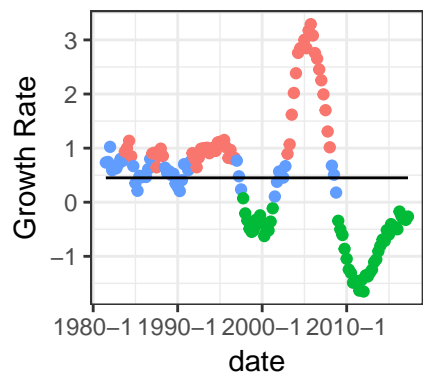
ZA



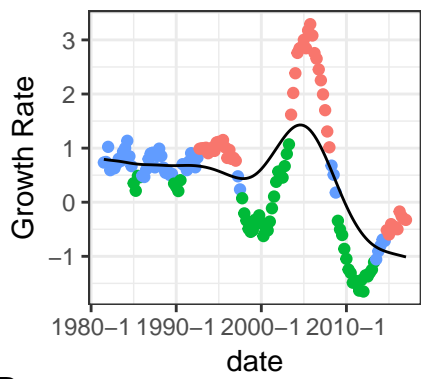
cyc
 ● boom
 ● bust
 ● neither



cyc
 ● boom
 ● bust
 ● neither

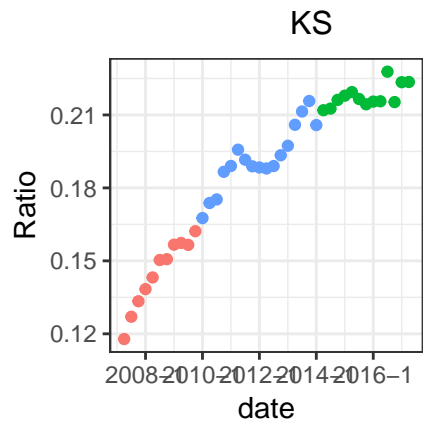


cyc
 ● boom
 ● bust
 ● neither

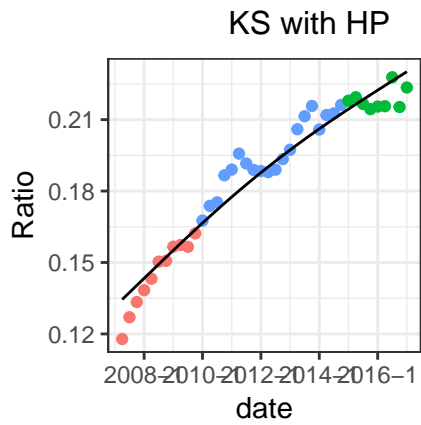


cyc
 ● boom
 ● bust
 ● neither

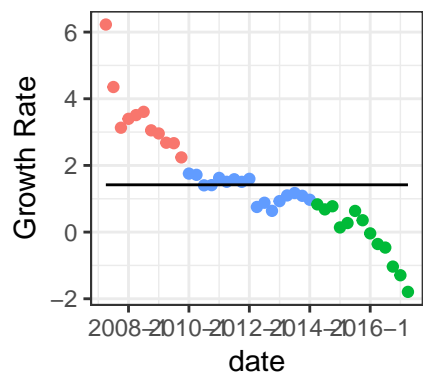
TR



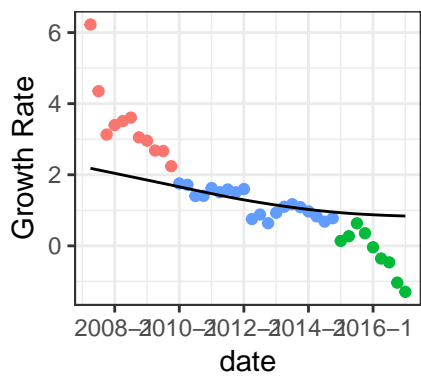
cyc
 ● boom
 ● bust
 ● neither



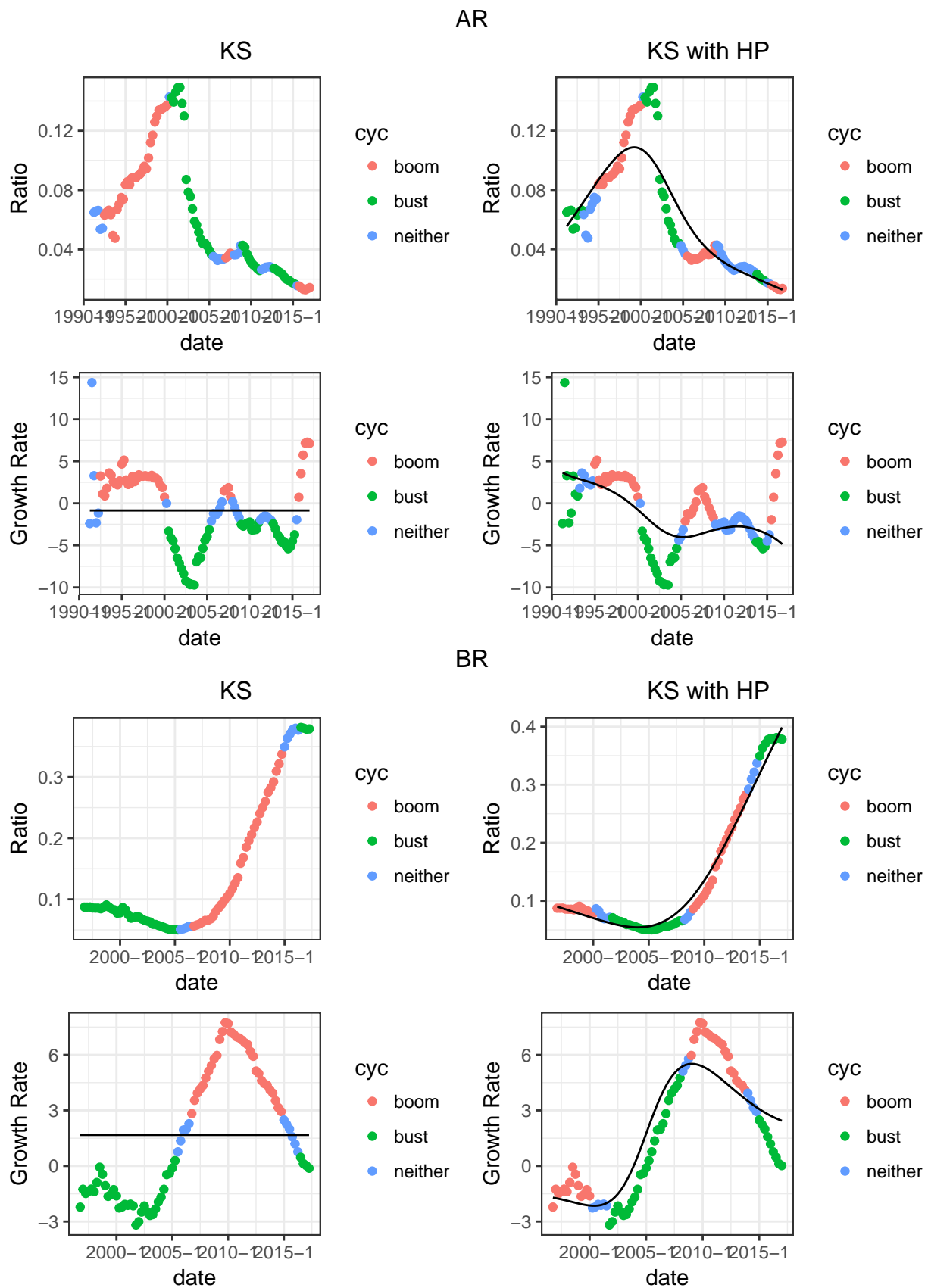
cyc
 ● boom
 ● bust
 ● neither

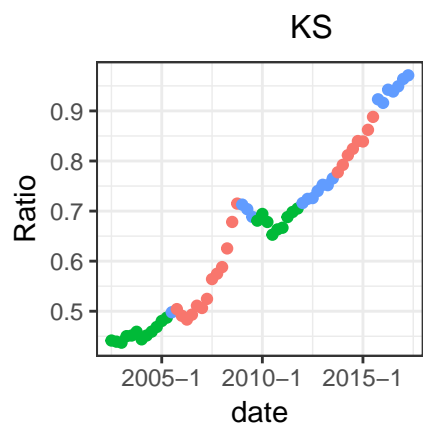


cyc
 ● boom
 ● bust
 ● neither



cyc
 ● boom
 ● bust
 ● neither

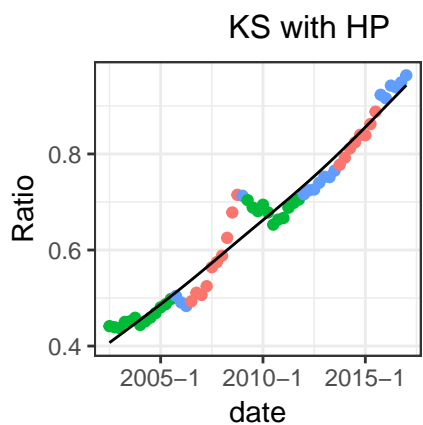




cyc

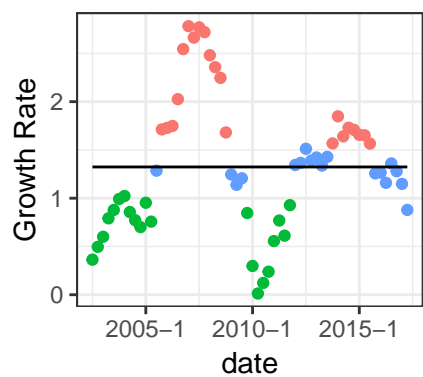
- boom
- bust
- neither

CL



cyc

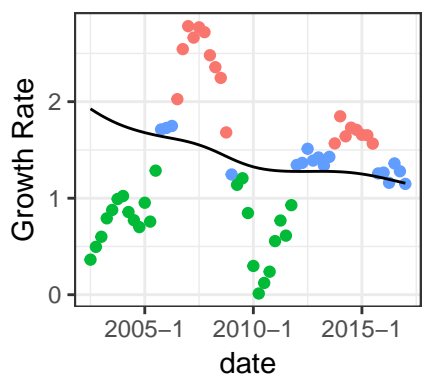
- boom
- bust
- neither



cyc

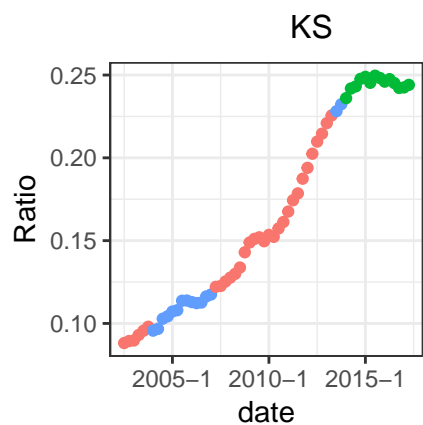
- boom
- bust
- neither

PE



cyc

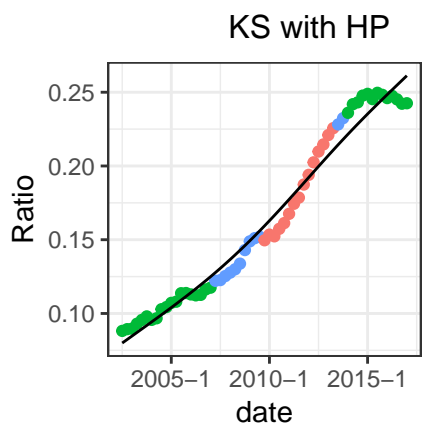
- boom
- bust
- neither



cyc

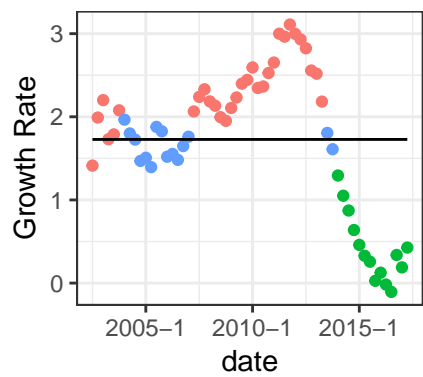
- boom
- bust
- neither

PE



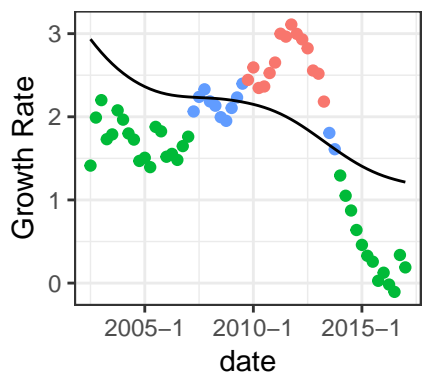
cyc

- boom
- bust
- neither



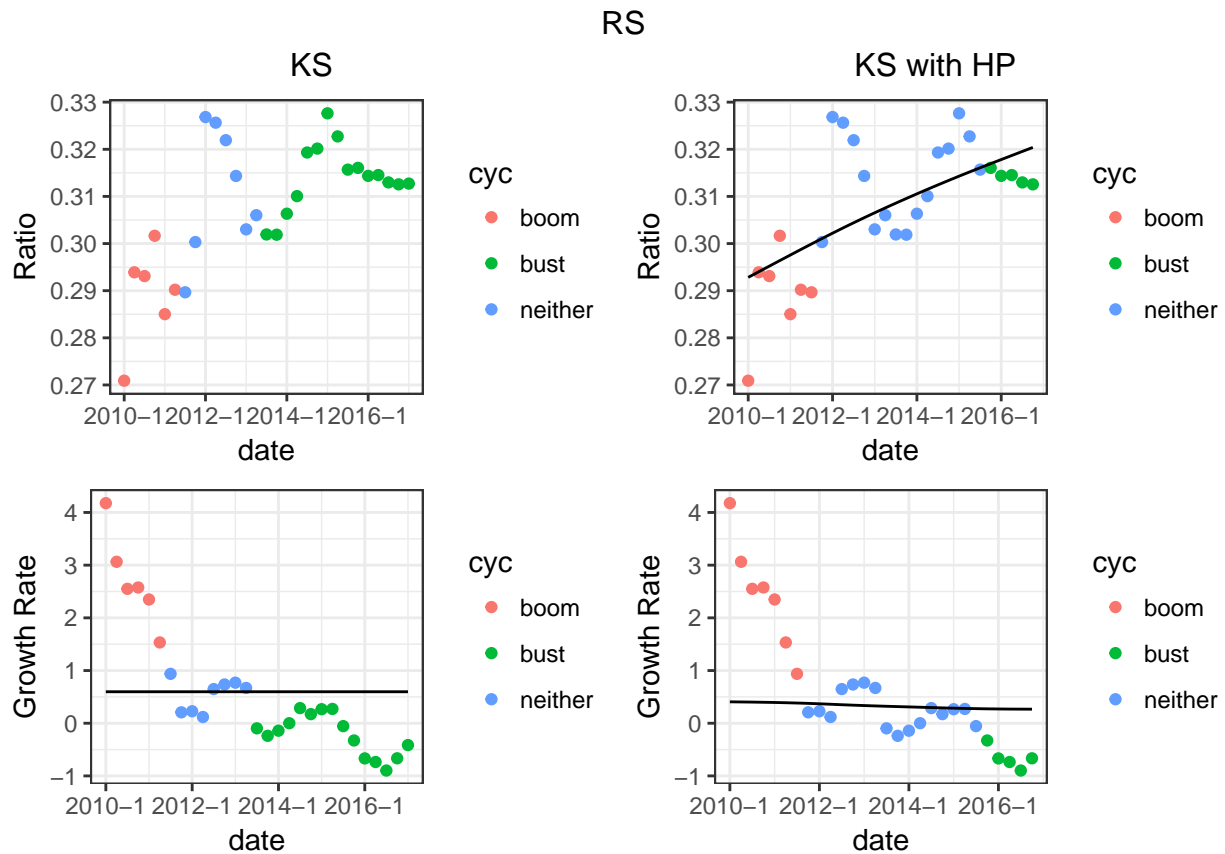
cyc

- boom
- bust
- neither



cyc

- boom
- bust
- neither



```
[[1]]
TableGrob (2 x 2) "arrange": 3 grobs
  z    cells    name      grob
1 1 (2-2,1-1) arrange  gtable[arrange]
2 2 (2-2,2-2) arrange  gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.264]
```

```
[[2]]
TableGrob (2 x 2) "arrange": 3 grobs
  z    cells    name      grob
1 1 (2-2,1-1) arrange  gtable[arrange]
2 2 (2-2,2-2) arrange  gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.518]
```

```
[[3]]
TableGrob (2 x 2) "arrange": 3 grobs
  z    cells    name      grob
1 1 (2-2,1-1) arrange  gtable[arrange]
2 2 (2-2,2-2) arrange  gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.772]
```

```
[[4]]
TableGrob (2 x 2) "arrange": 3 grobs
  z    cells    name      grob
1 1 (2-2,1-1) arrange  gtable[arrange]
2 2 (2-2,2-2) arrange  gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.1026]
```

```
[[5]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.1280]
```

```
[[6]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.1534]
```

```
[[7]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.1788]
```

```
[[8]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.2042]
```

```
[[9]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.2296]
```

```
[[10]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.2550]
```

```
[[11]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.2804]
```

```
[[12]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
```



```

2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.3058]

```

```
[[13]]
```

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.3312]

```

```
[[14]]
```

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.3566]

```

```
[[15]]
```

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.3820]

```

```
[[16]]
```

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.4074]

```

```
[[17]]
```

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.4328]

```

```
[[18]]
```

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.4582]

```

```
[[19]]
```

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.4836]

```

```
[[20]]
```

```

TableGrob (2 x 2) "arrange": 3 grobs

```

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange text	[GRID.text.5090]

[[21]]

TableGrob (2 x 2) "arrange": 3 grobs

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange text	[GRID.text.5344]

[[22]]

TableGrob (2 x 2) "arrange": 3 grobs

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange text	[GRID.text.5598]

[[23]]

TableGrob (2 x 2) "arrange": 3 grobs

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange text	[GRID.text.5852]

[[24]]

TableGrob (2 x 2) "arrange": 3 grobs

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange text	[GRID.text.6106]

[[25]]

TableGrob (2 x 2) "arrange": 3 grobs

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange text	[GRID.text.6360]

[[26]]

TableGrob (2 x 2) "arrange": 3 grobs

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange text	[GRID.text.6614]

[[27]]

TableGrob (2 x 2) "arrange": 3 grobs

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange text	[GRID.text.6868]

```
[[28]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.7122]
```

```
[[29]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.7376]
```

```
[[30]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.7630]
```

```
[[31]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.7884]
```

```
[[32]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.8138]
```

```
[[33]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.8392]
```

```
[[34]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.8646]
```

```
[[35]]
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
```

```
3 3 (1-1,1-2) arrange text[GRID.text.8900]
```

```
[[36]]
```

```
TableGrob (2 x 2) "arrange": 3 grobs
```

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange	text[GRID.text.9154]

```
[[37]]
```

```
TableGrob (2 x 2) "arrange": 3 grobs
```

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange	text[GRID.text.9398]

```
[[38]]
```

```
TableGrob (2 x 2) "arrange": 3 grobs
```

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange	text[GRID.text.9642]

```
[[39]]
```

```
TableGrob (2 x 2) "arrange": 3 grobs
```

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange	text[GRID.text.9896]

```
[[40]]
```

```
TableGrob (2 x 2) "arrange": 3 grobs
```

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange	text[GRID.text.10150]

```
[[41]]
```

```
TableGrob (2 x 2) "arrange": 3 grobs
```

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange	text[GRID.text.10404]

```
[[42]]
```

```
TableGrob (2 x 2) "arrange": 3 grobs
```

	z	cells	name	grob
1	1	(2-2,1-1)	arrange	gtable[arrange]
2	2	(2-2,2-2)	arrange	gtable[arrange]
3	3	(1-1,1-2)	arrange	text[GRID.text.10648]

```
[[43]]
```

```
TableGrob (2 x 2) "arrange": 3 grobs
```

	z	cells	name	grob
--	---	-------	------	------

```

1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.10902]

```

[[44]]

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.11156]

```

[[45]]

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.11410]

```

[[46]]

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.11664]

```

[[47]]

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.11918]

```

[[48]]

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.12142]

```

[[49]]

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.12396]

```

[[50]]

```

TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.12650]

```

[[51]]

```
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.12904]
```

[[52]]

```
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.13158]
```

[[53]]

```
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.13412]
```

[[54]]

```
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.13666]
```

[[55]]

```
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.13920]
```

[[56]]

```
TableGrob (2 x 2) "arrange": 3 grobs
  z      cells      name      grob
1 1 (2-2,1-1) arrange      gtable[arrange]
2 2 (2-2,2-2) arrange      gtable[arrange]
3 3 (1-1,1-2) arrange text[GRID.text.14174]
```