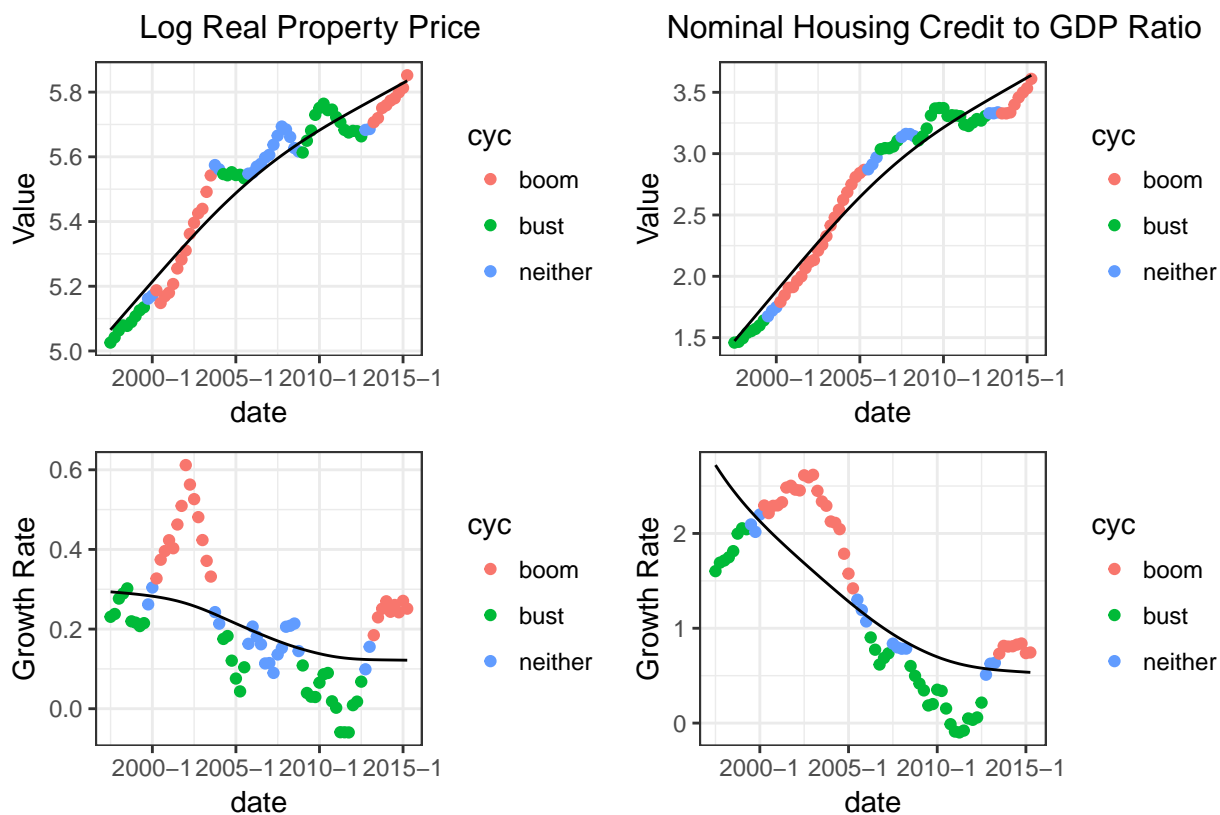


BCDating with Property Price and Credit to GDP Ratio

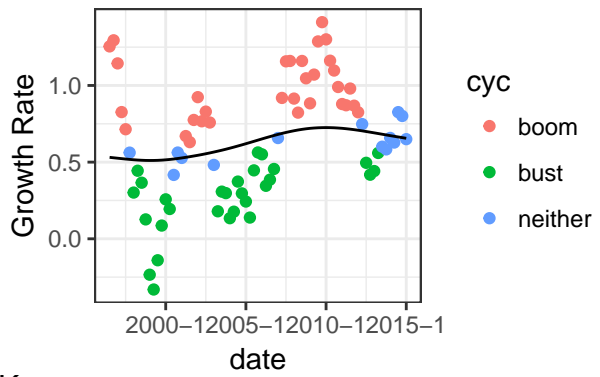
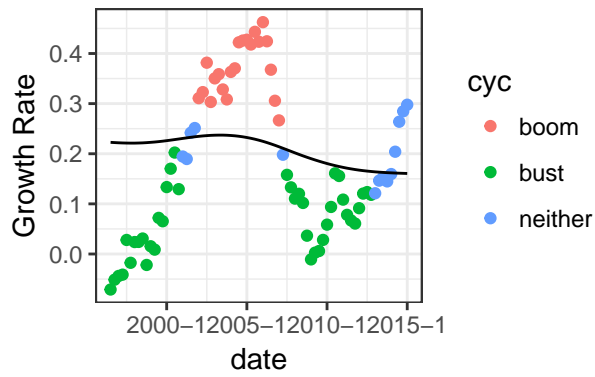
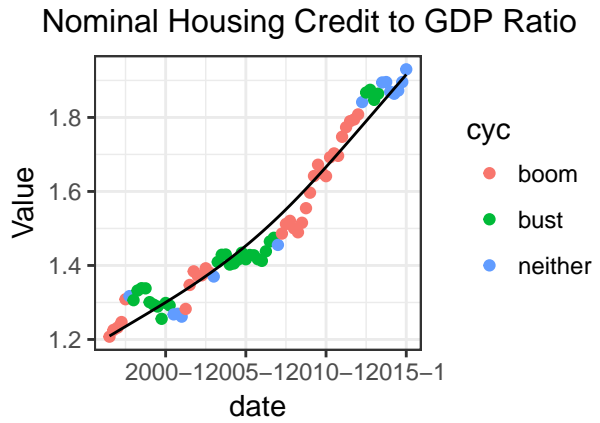
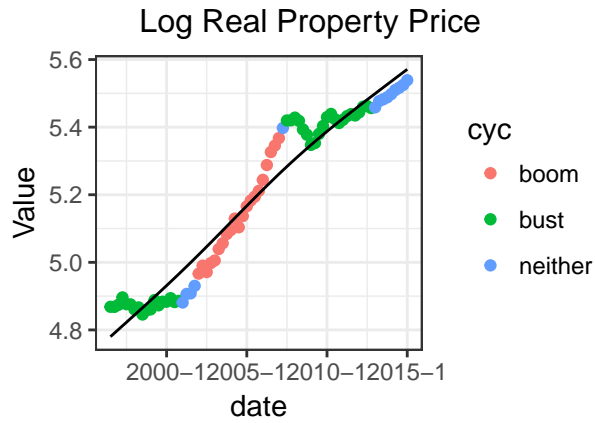
Haoyu Sheng

8/12/2019

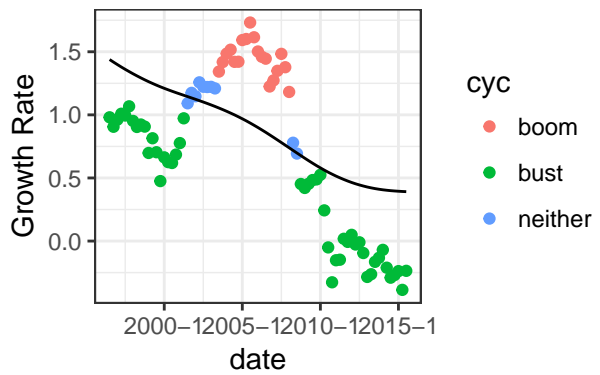
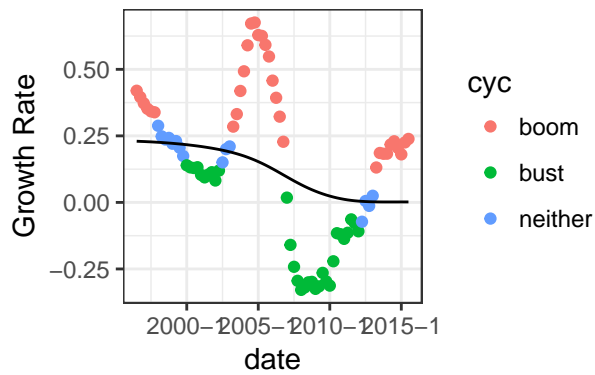
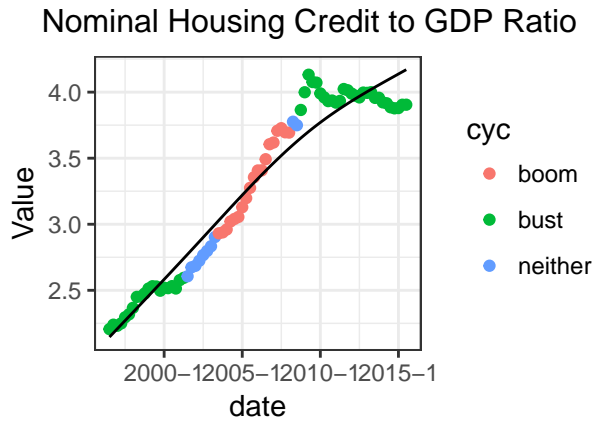
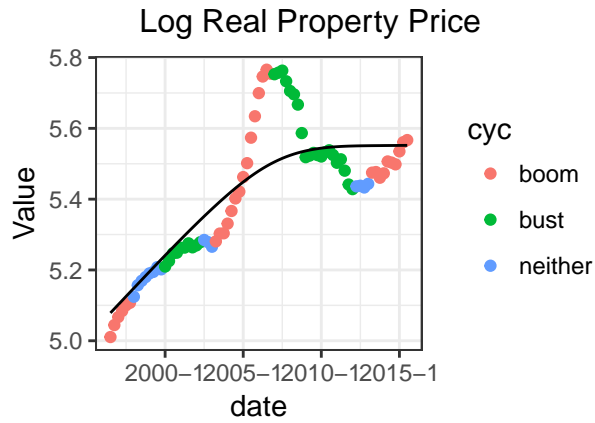
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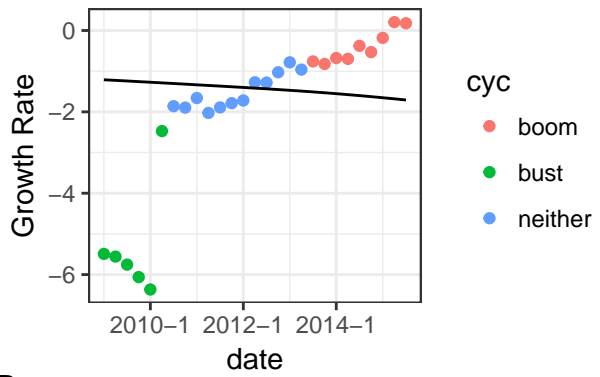
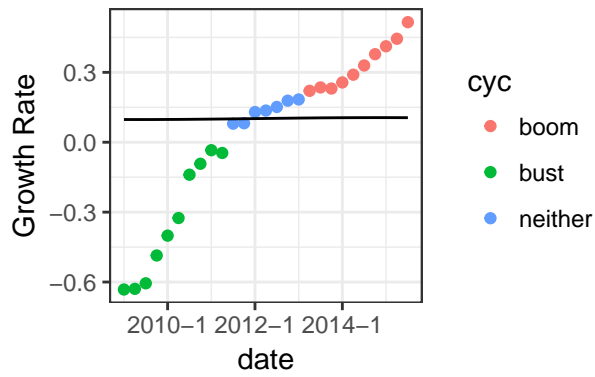
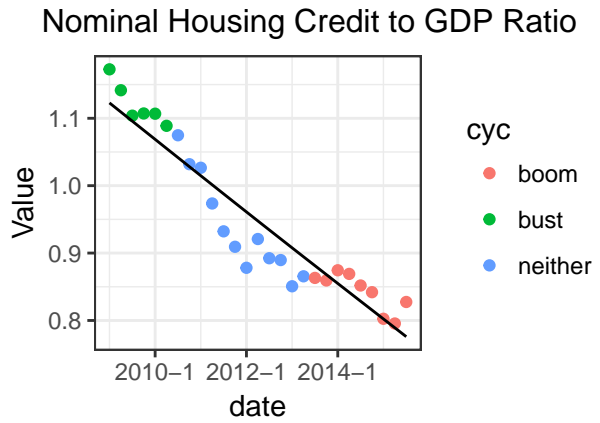
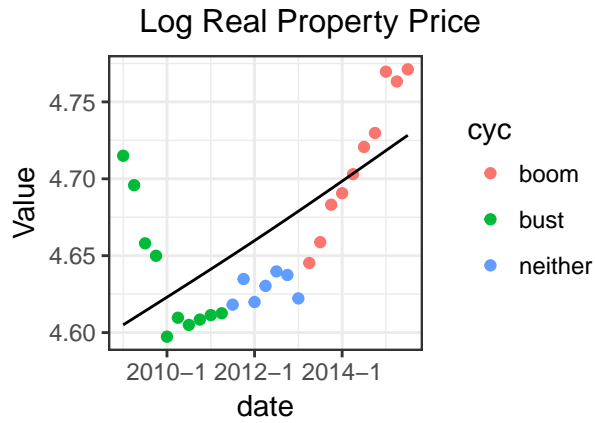
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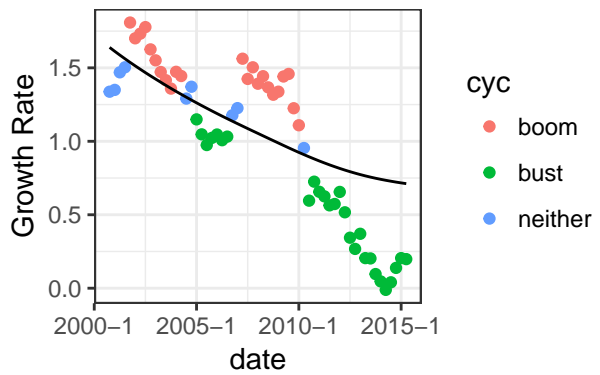
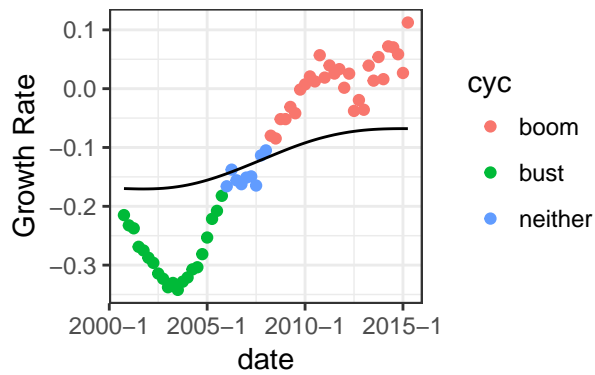
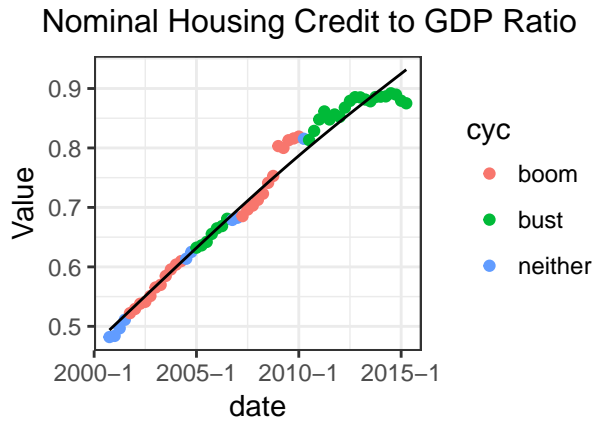
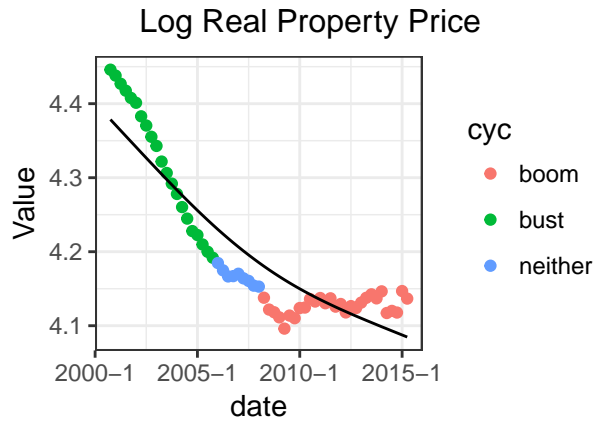
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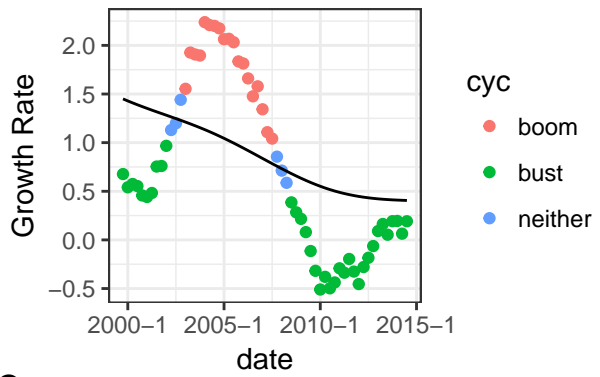
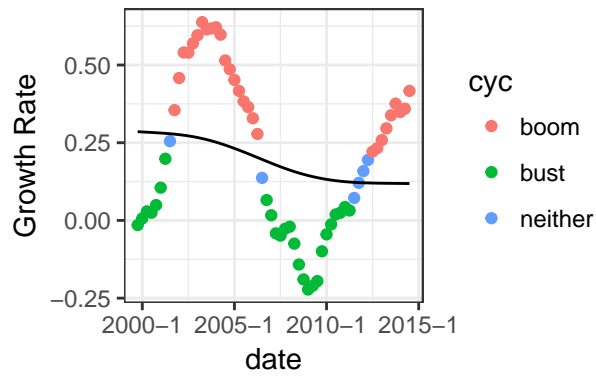
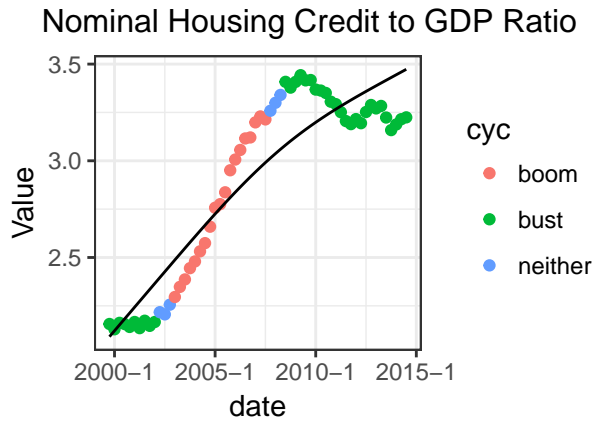
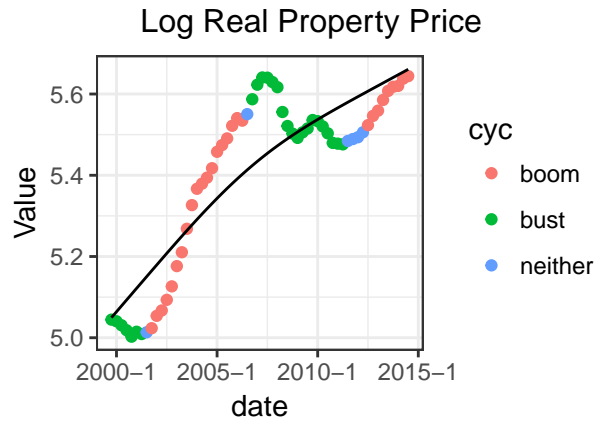
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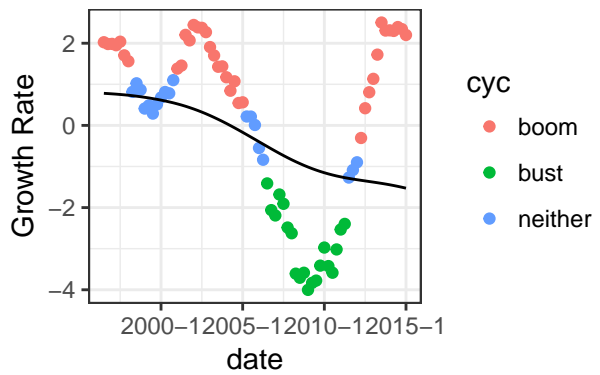
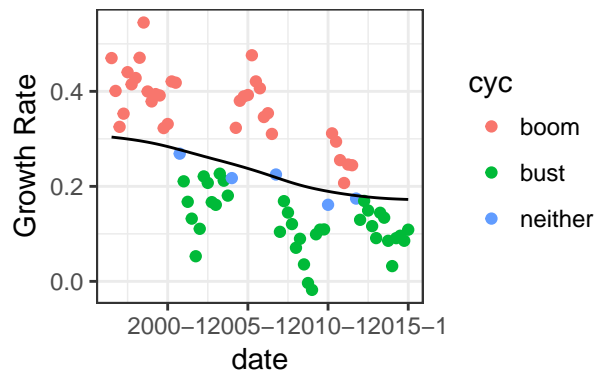
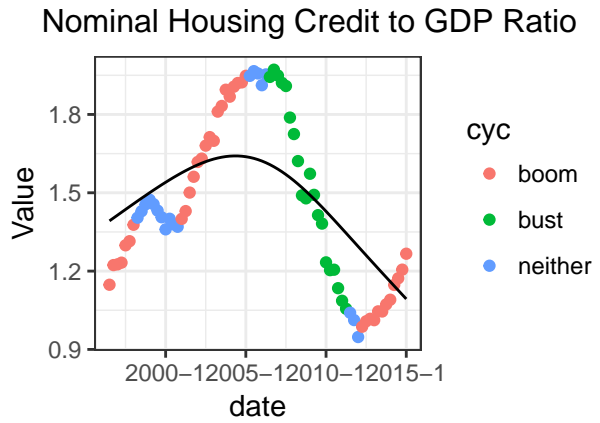
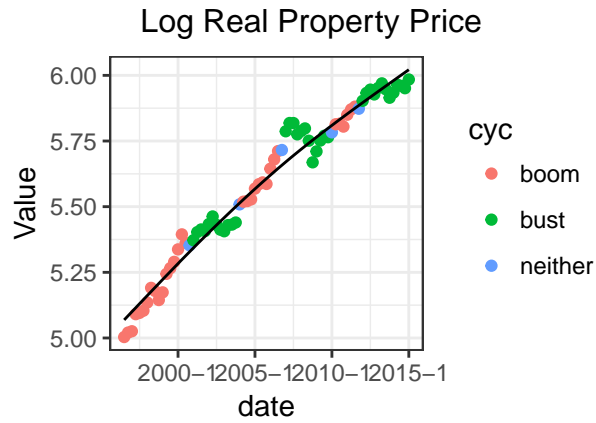
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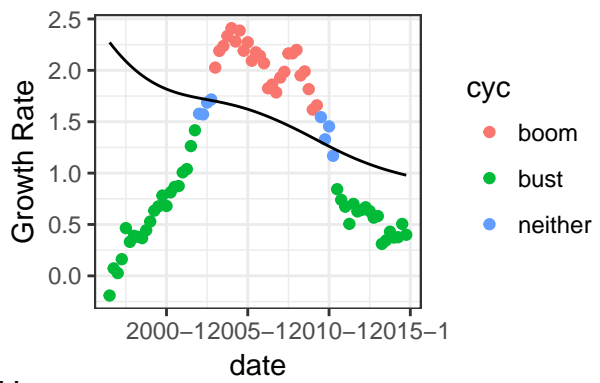
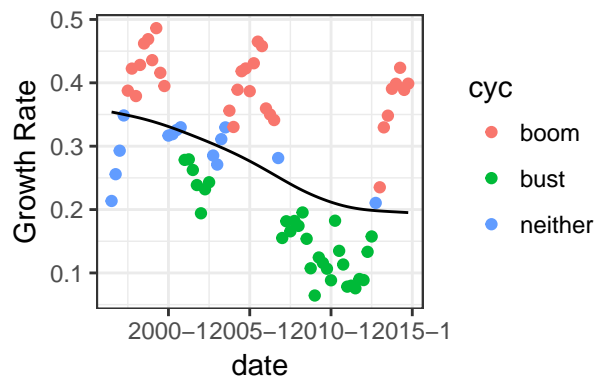
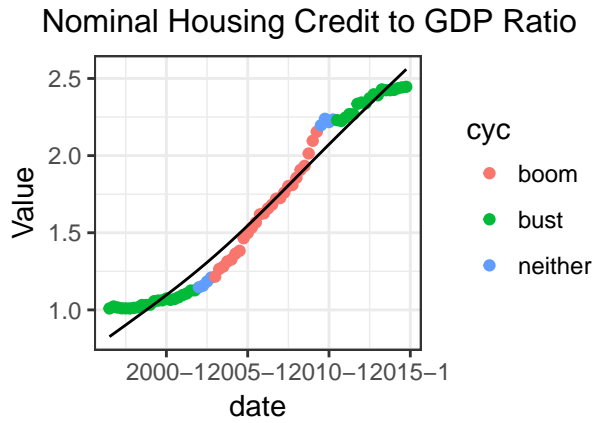
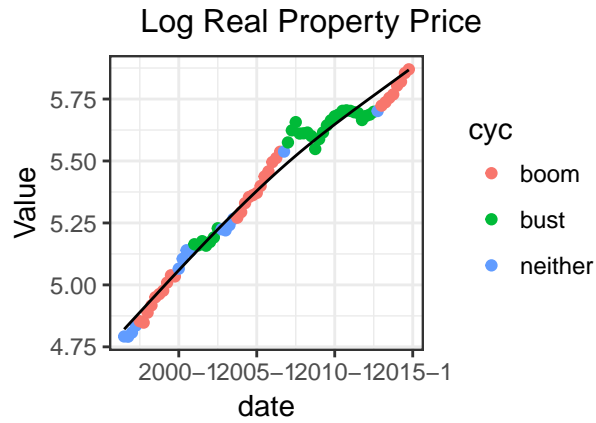
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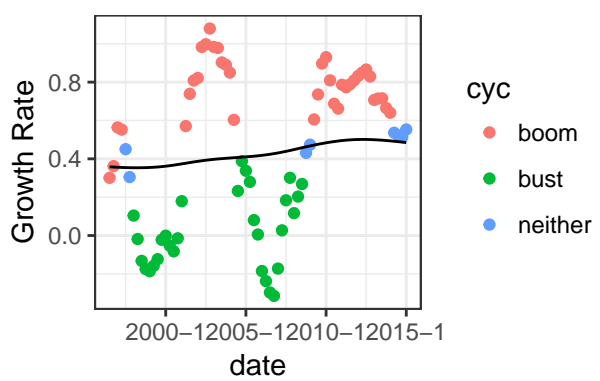
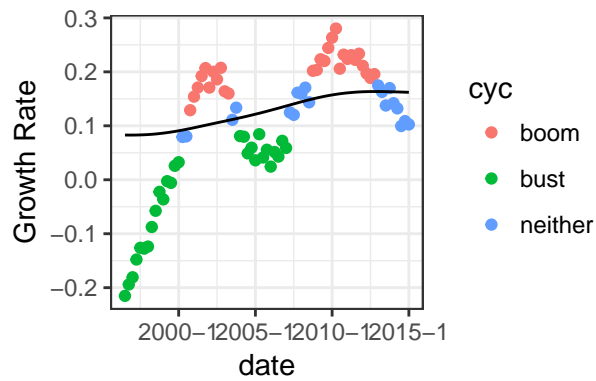
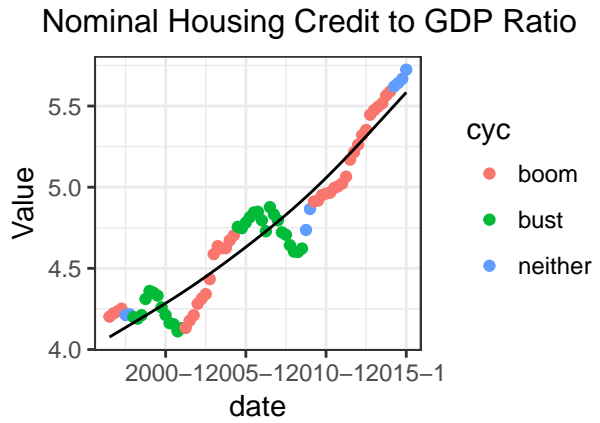
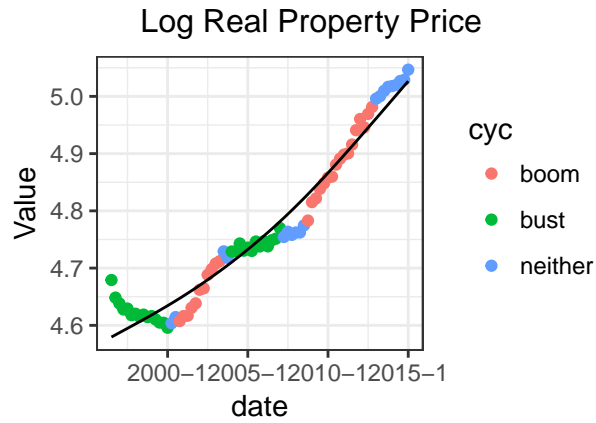
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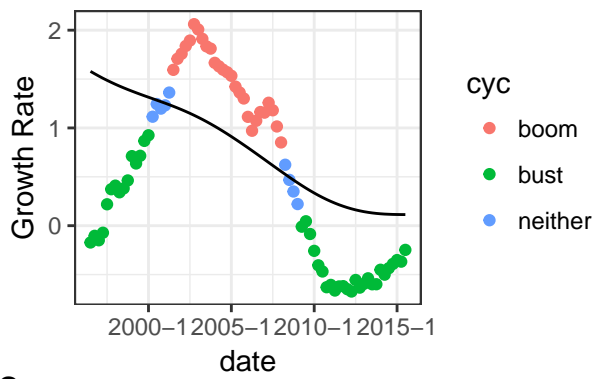
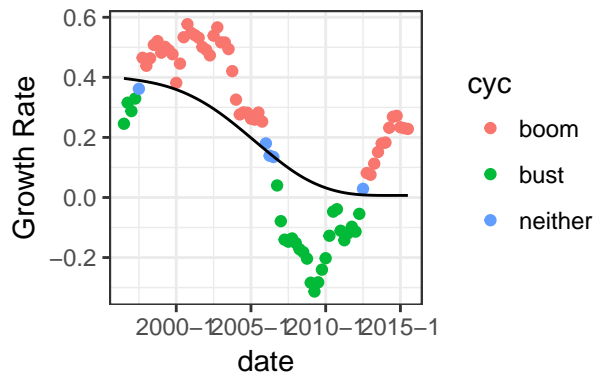
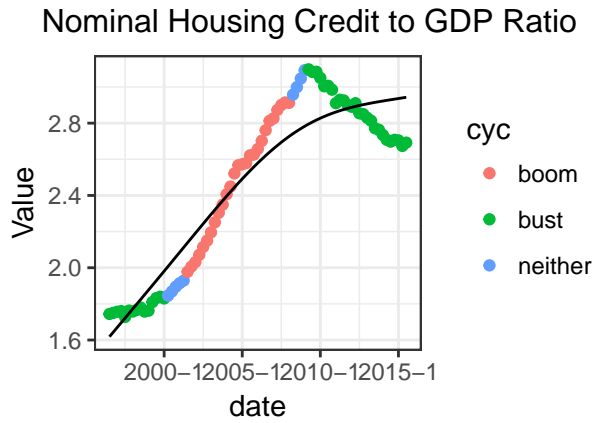
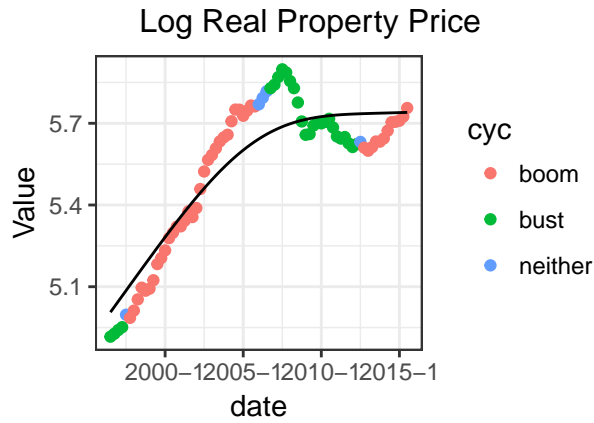
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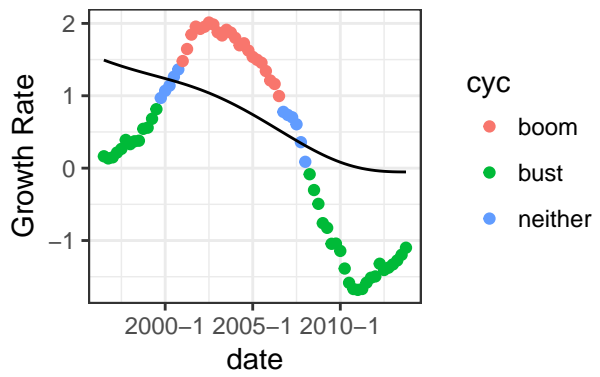
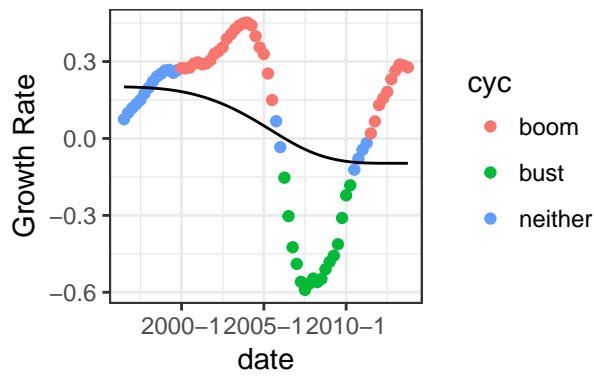
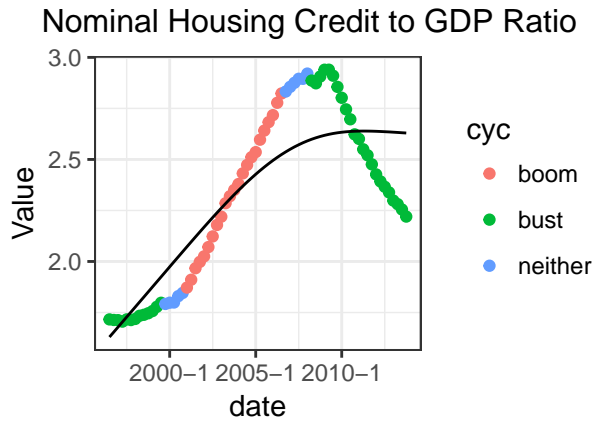
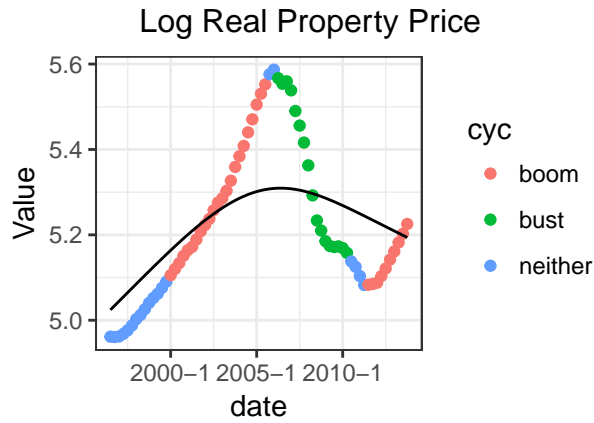
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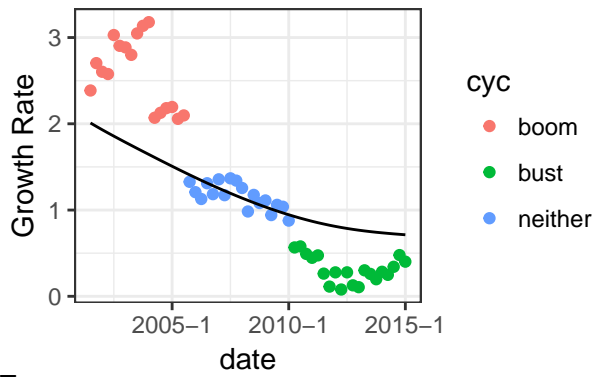
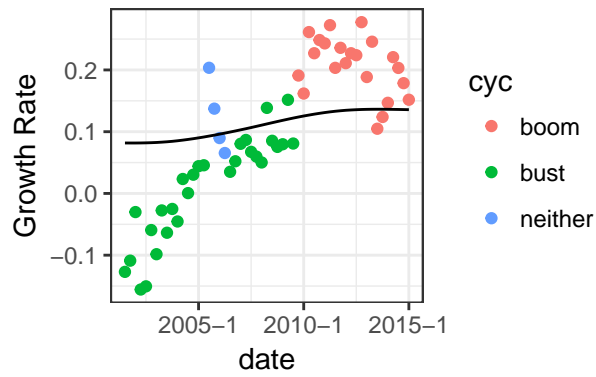
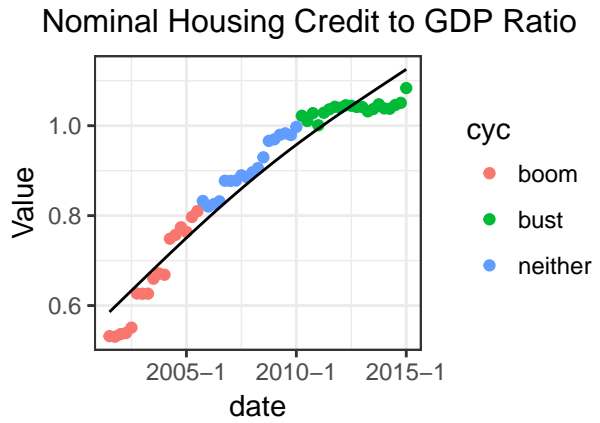
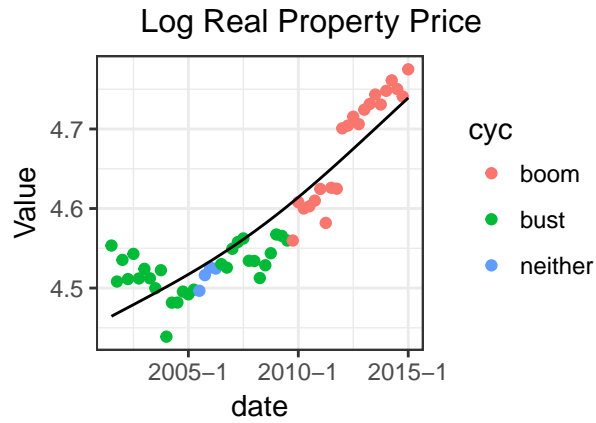
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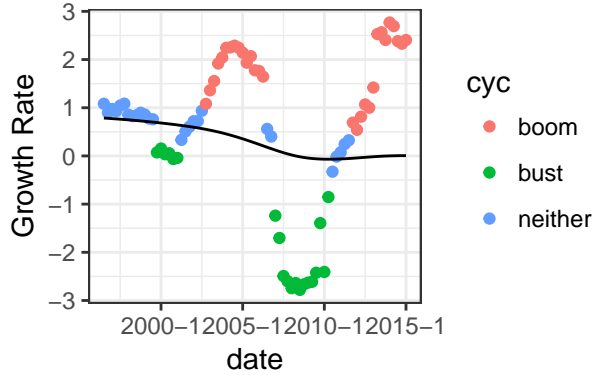
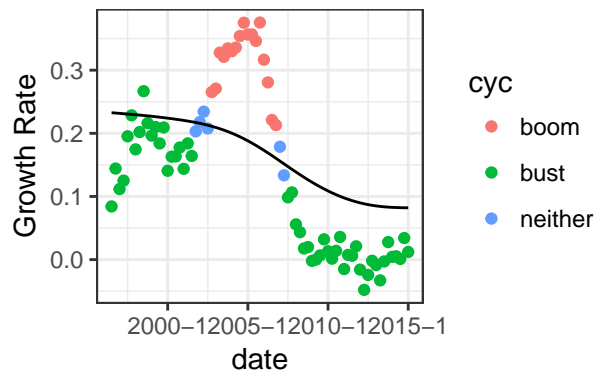
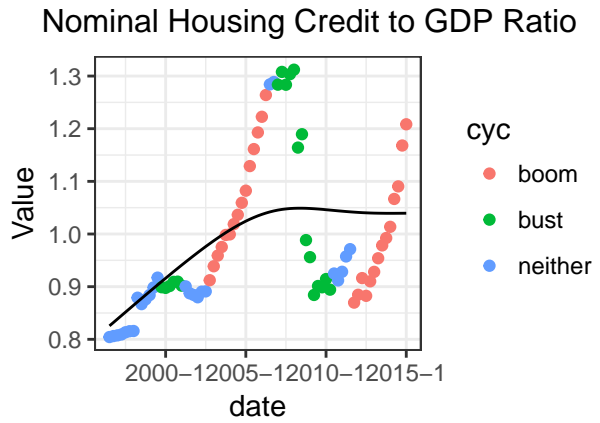
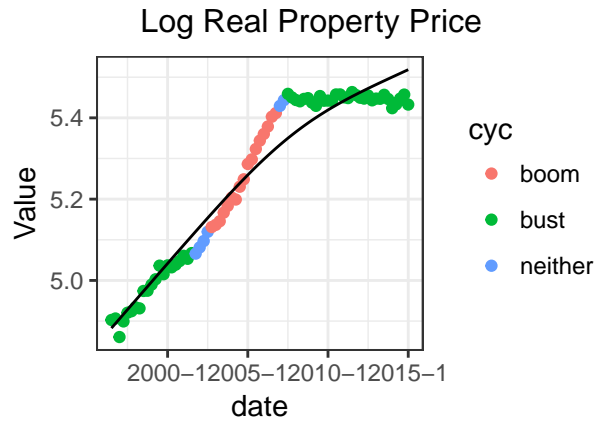
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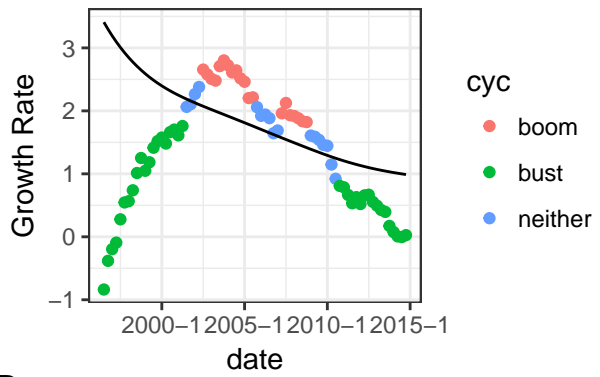
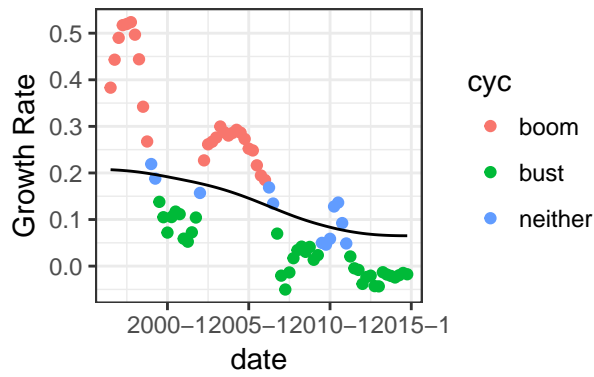
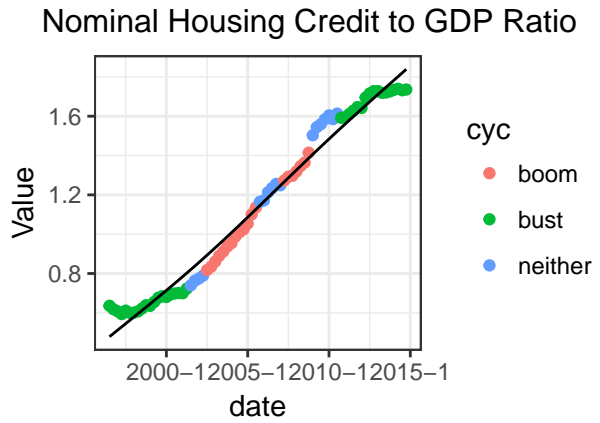
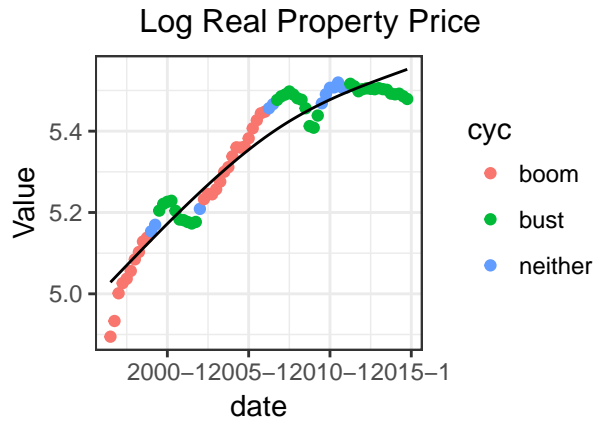
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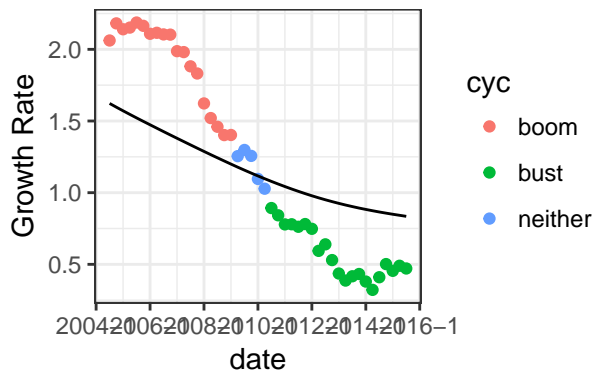
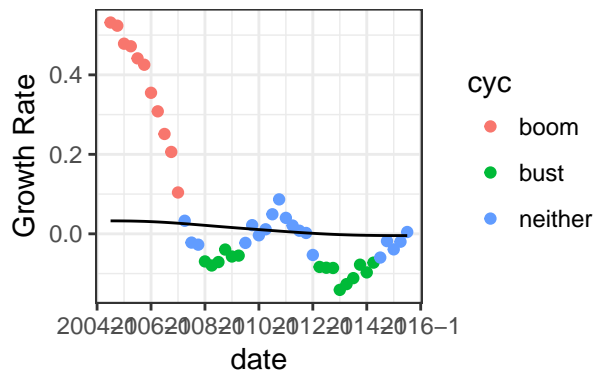
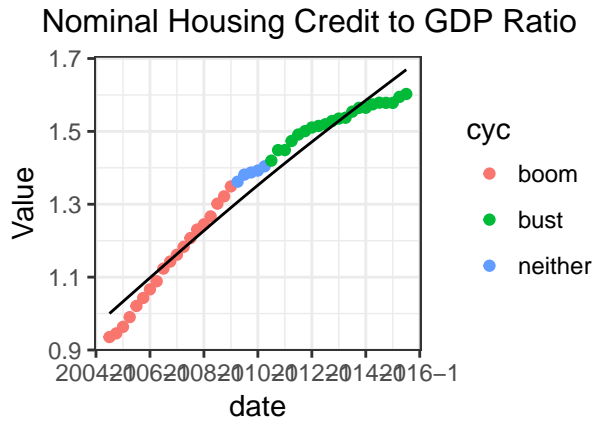
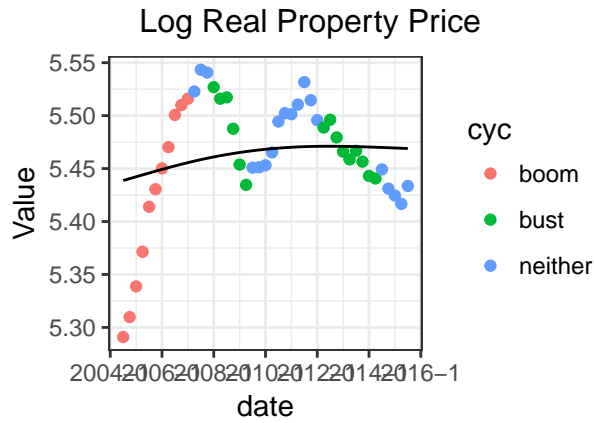
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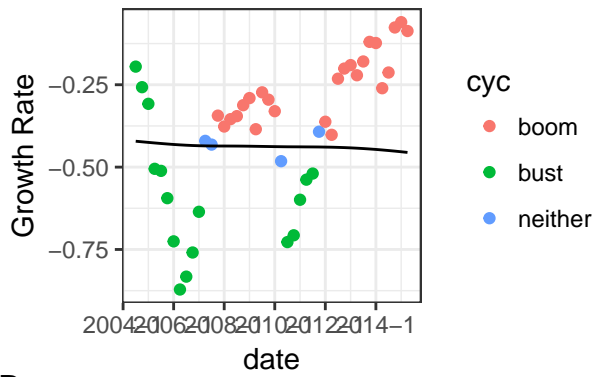
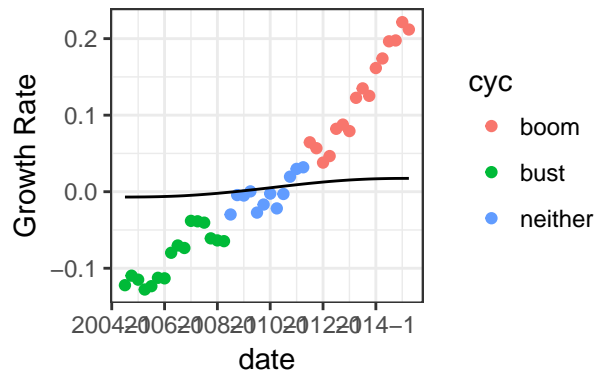
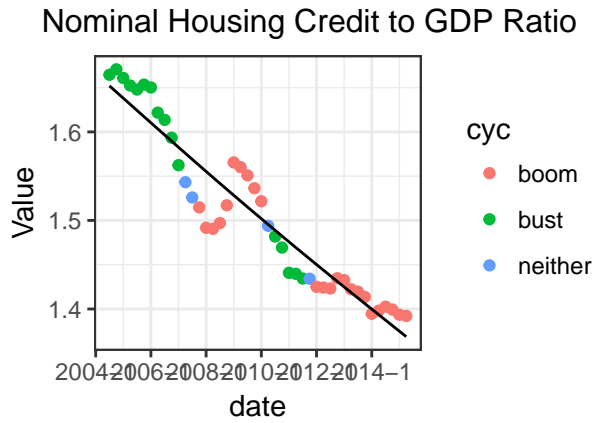
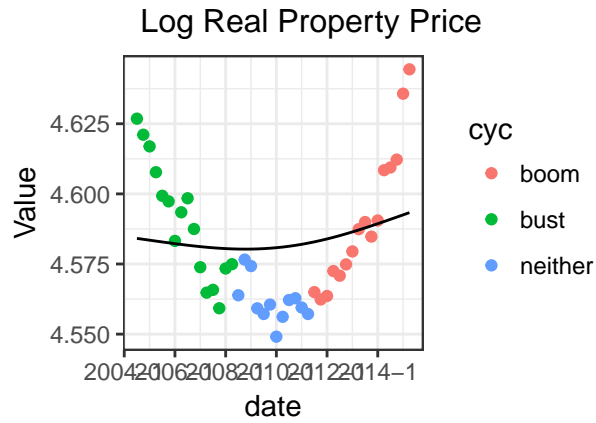
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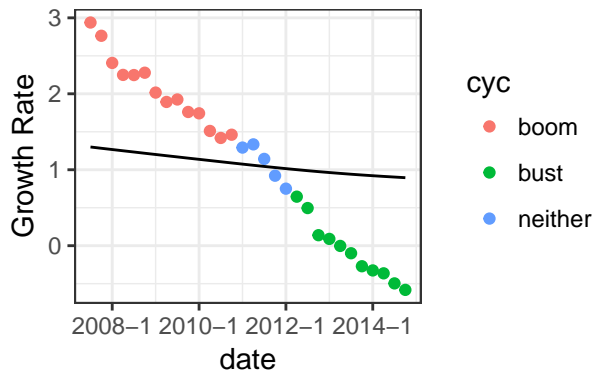
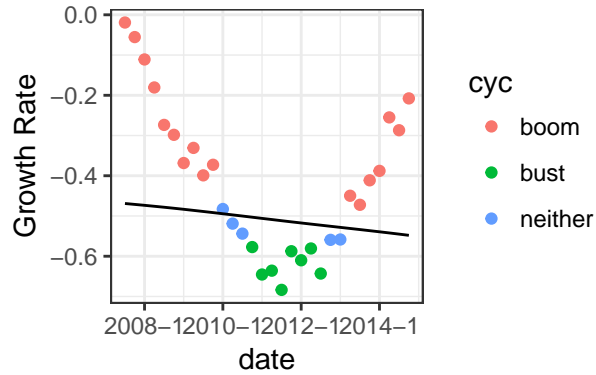
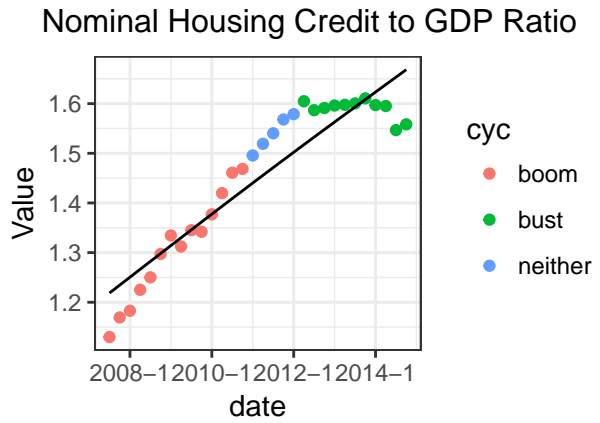
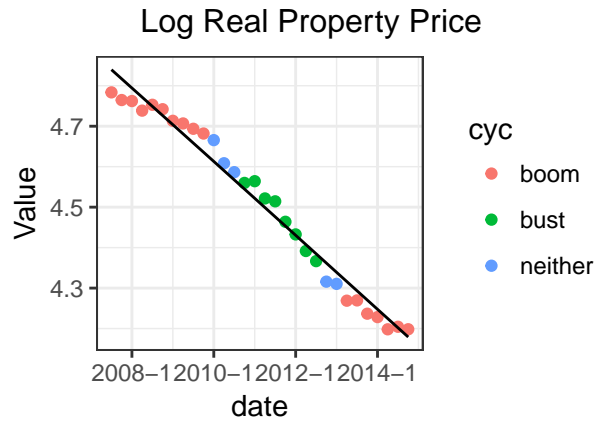
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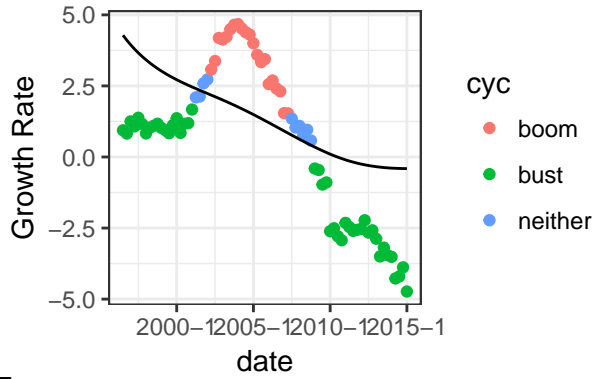
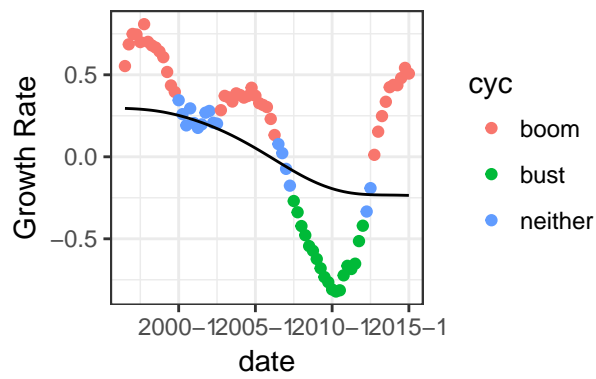
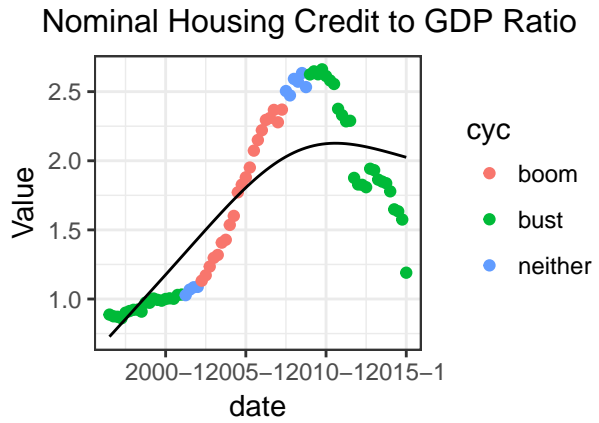
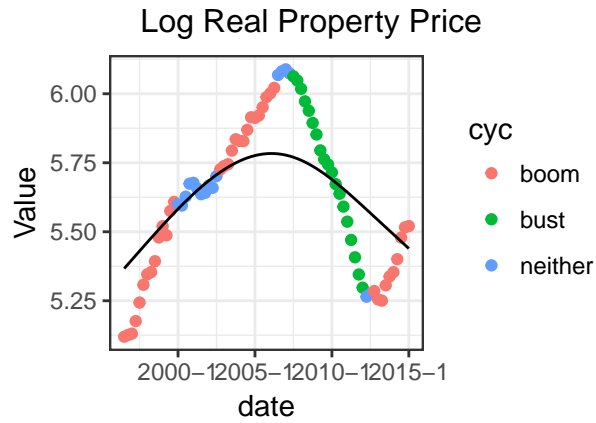
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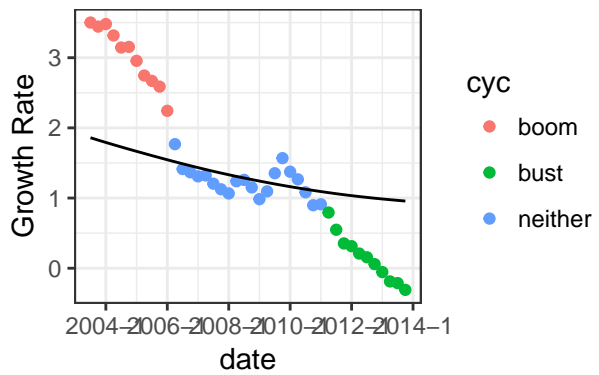
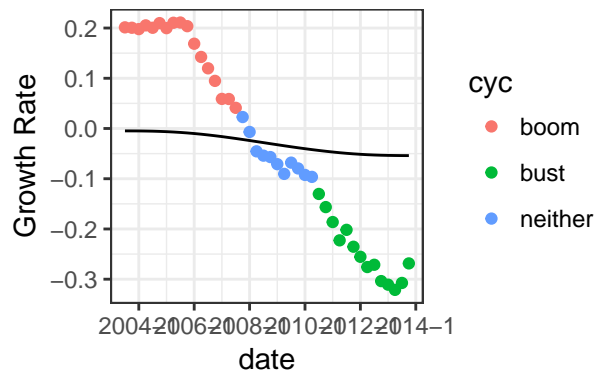
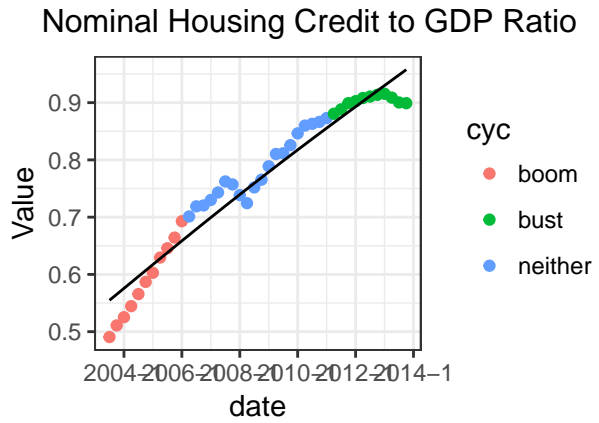
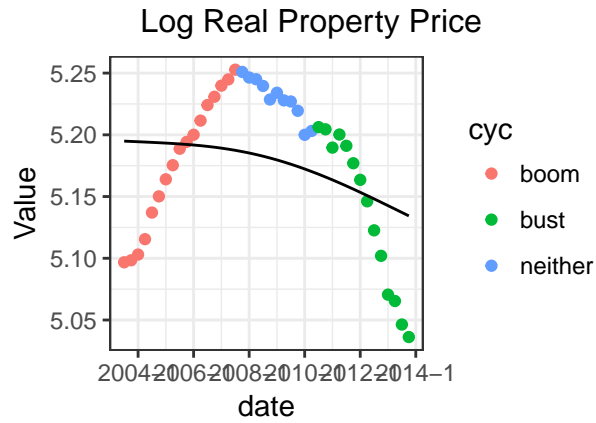
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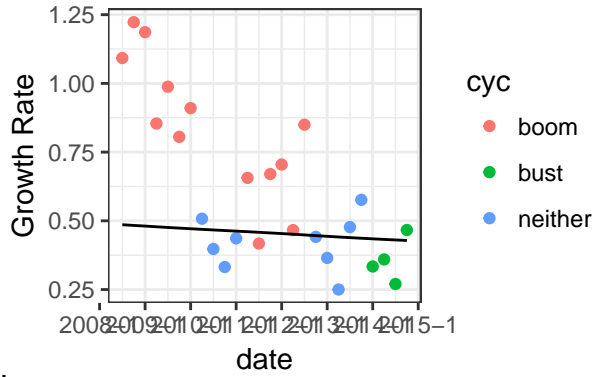
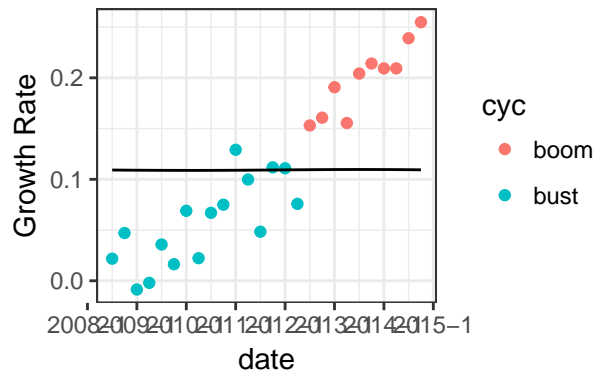
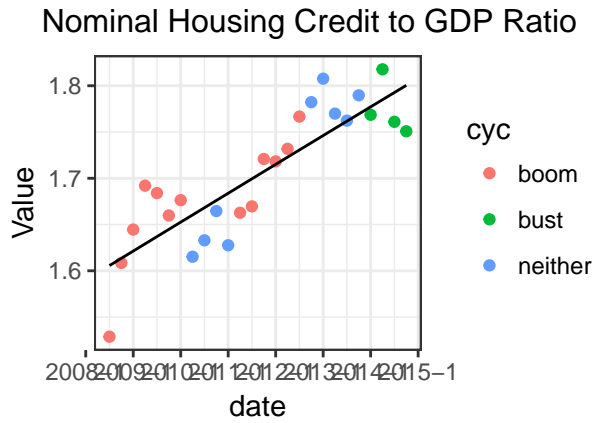
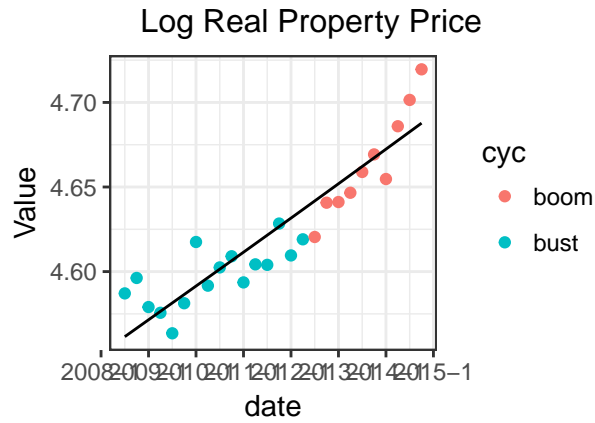
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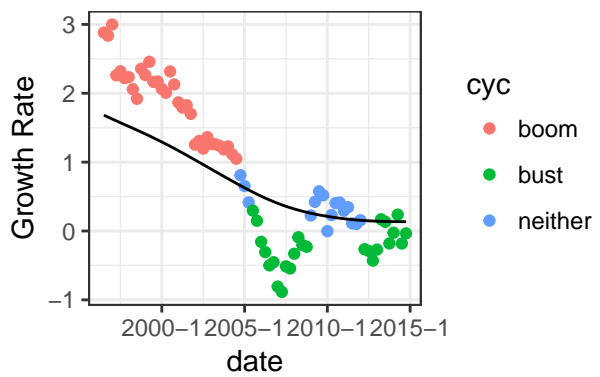
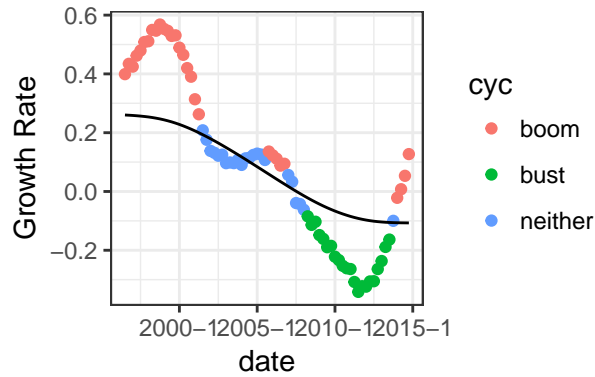
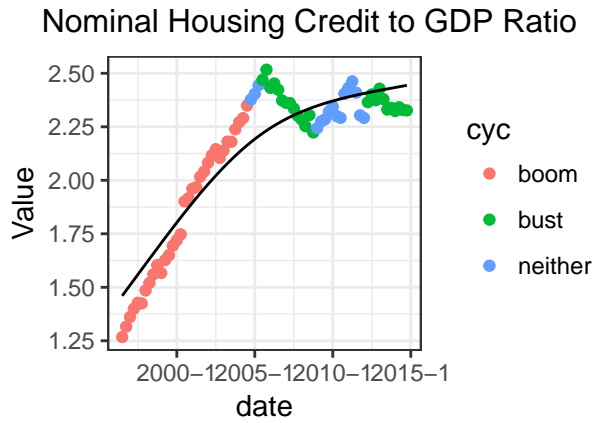
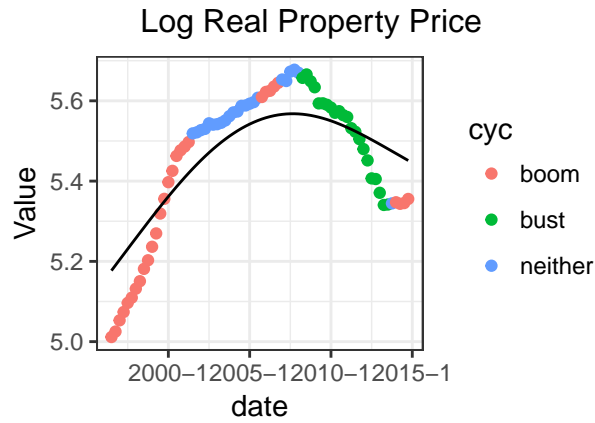
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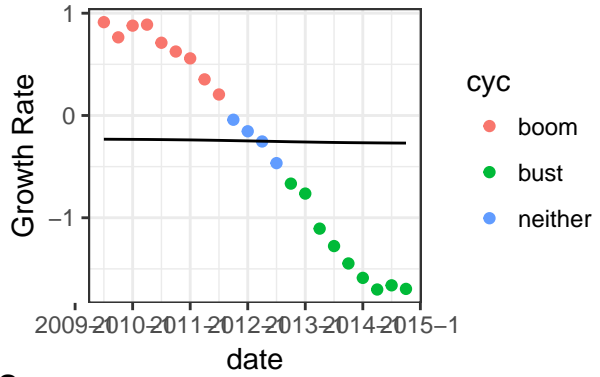
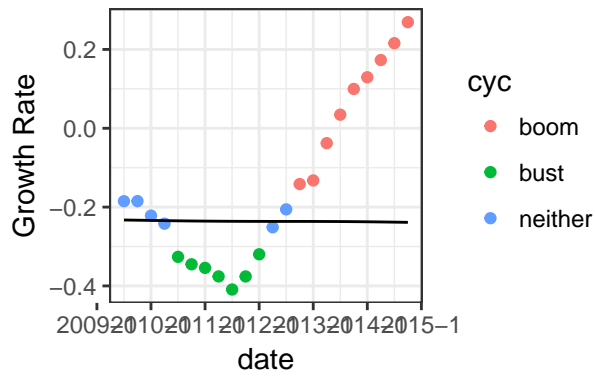
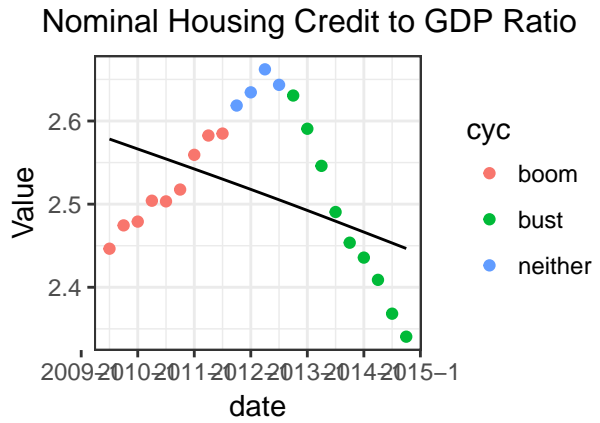
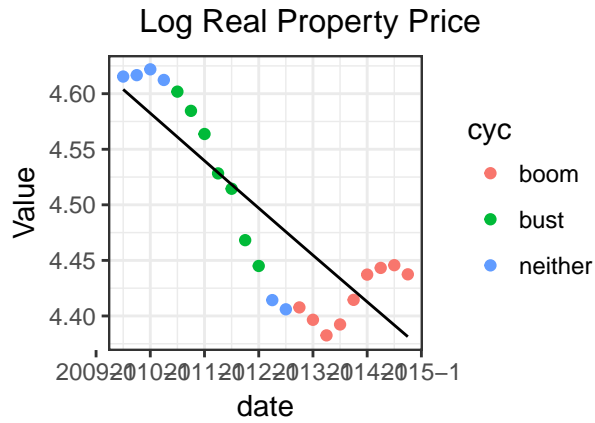
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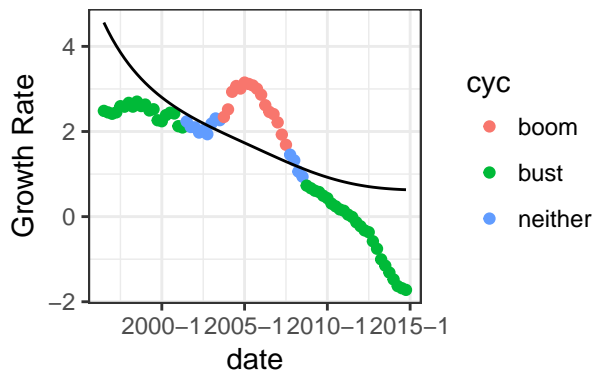
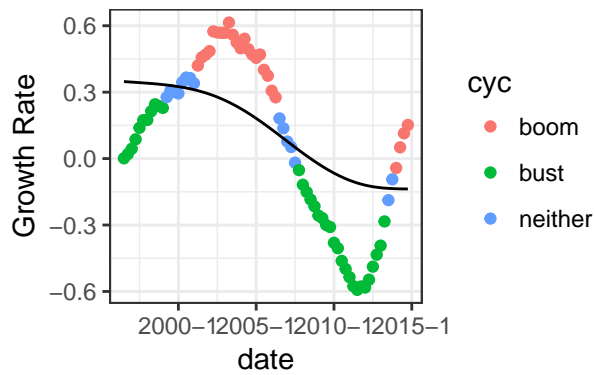
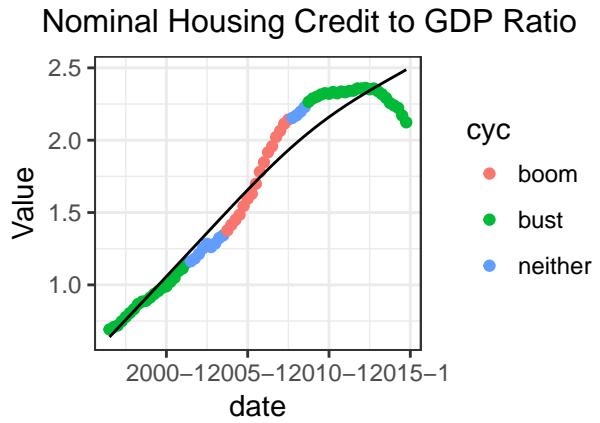
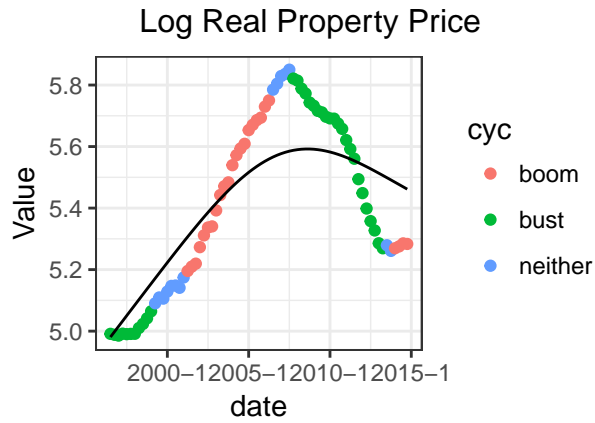
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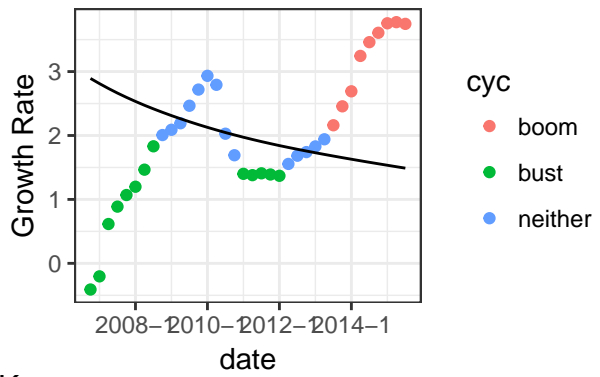
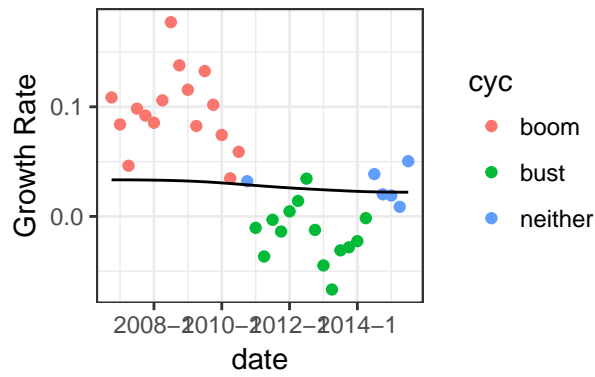
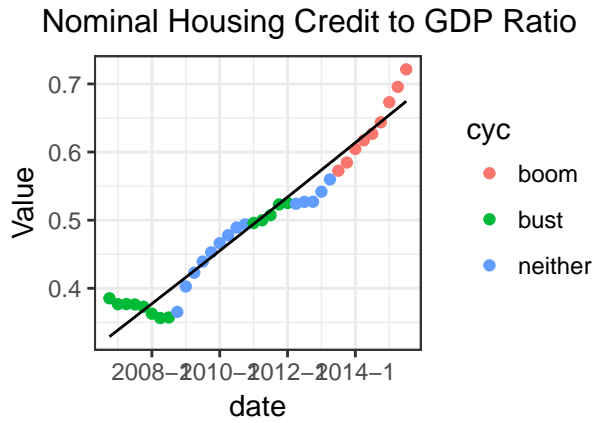
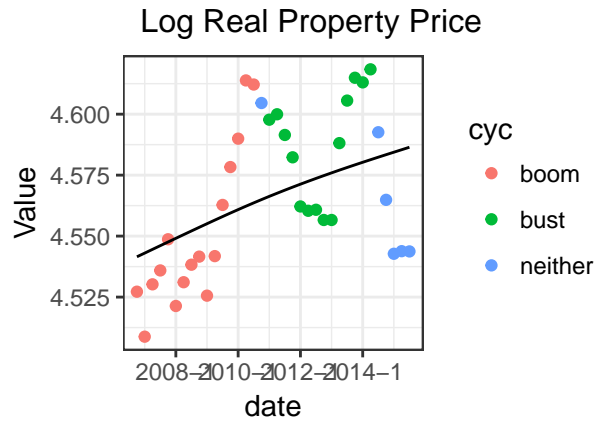
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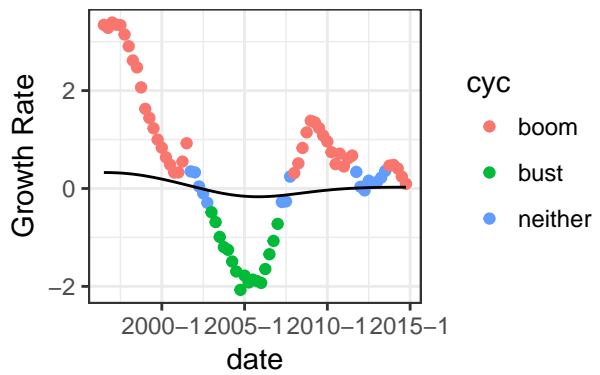
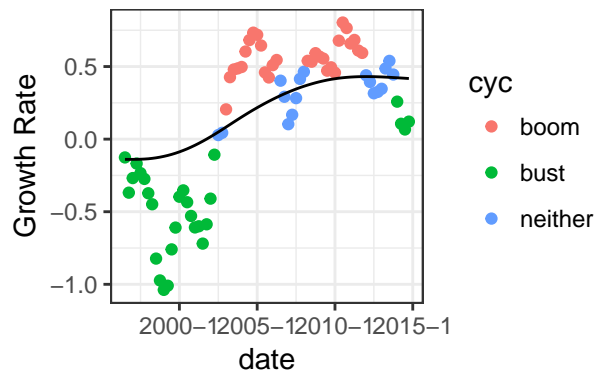
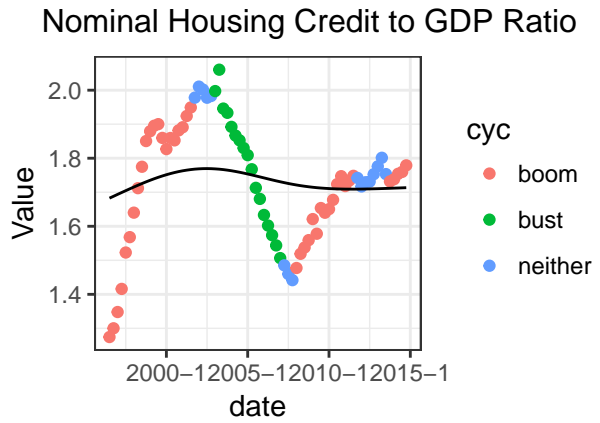
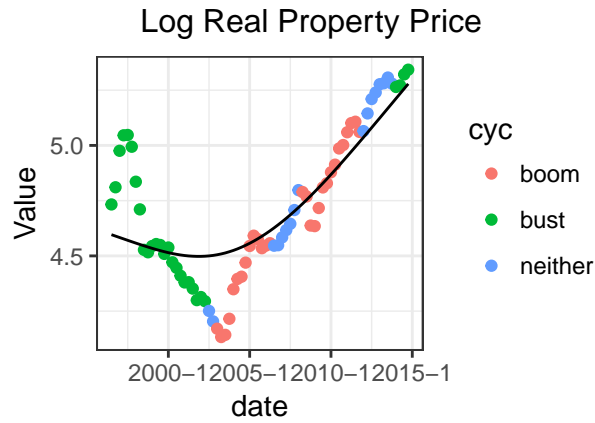
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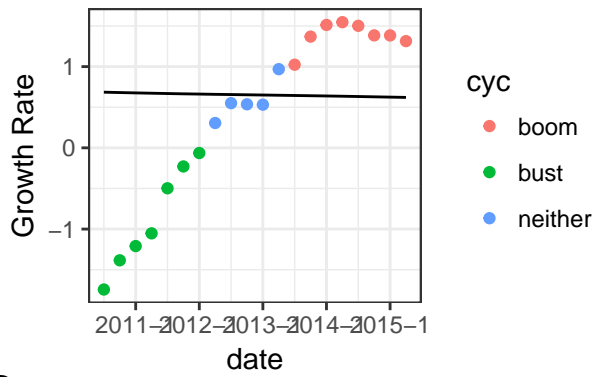
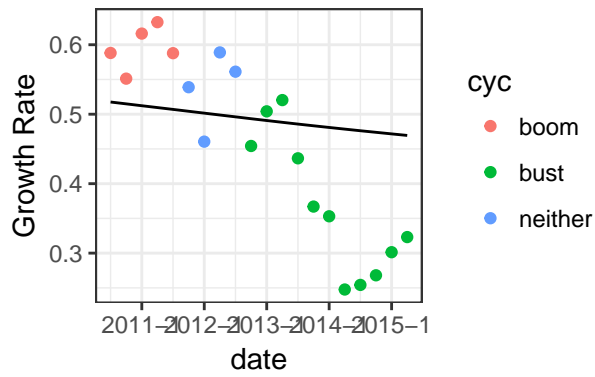
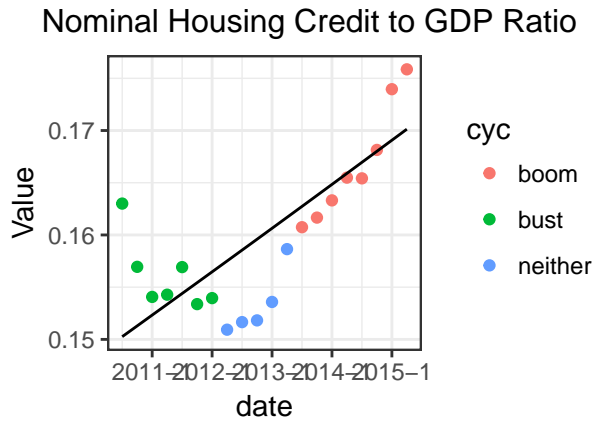
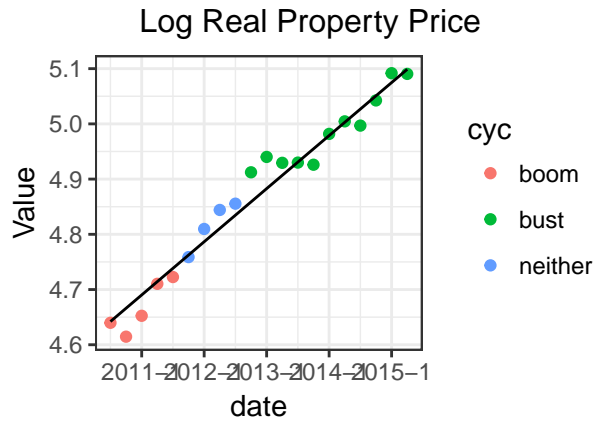
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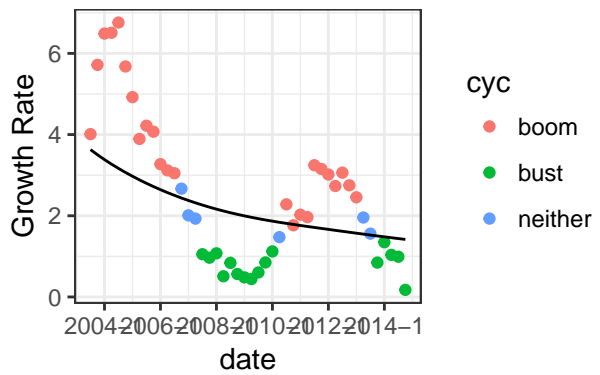
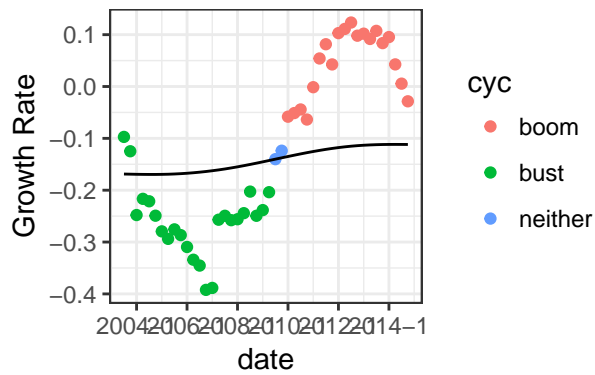
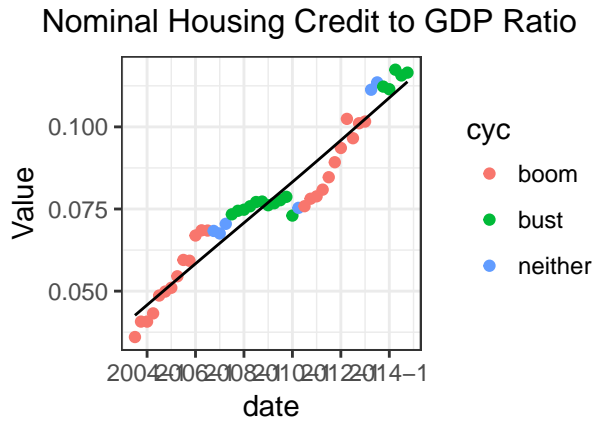
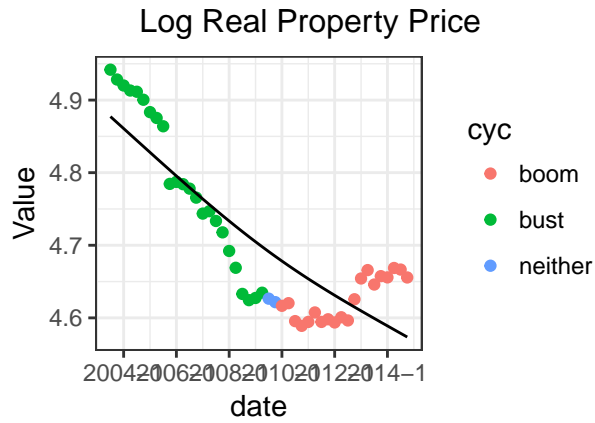
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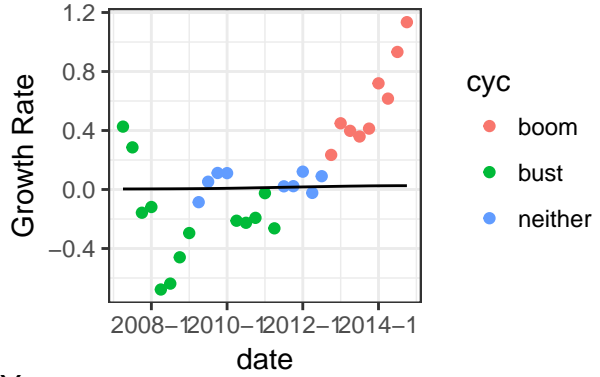
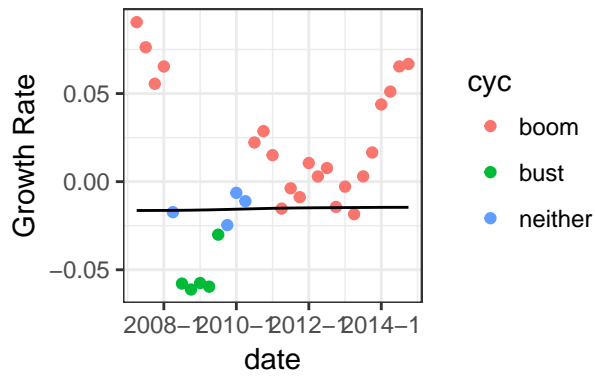
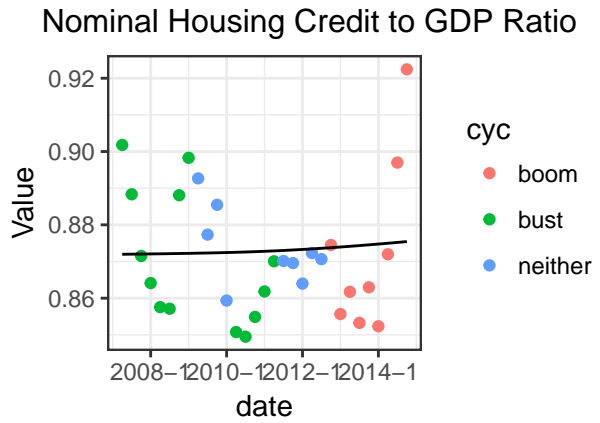
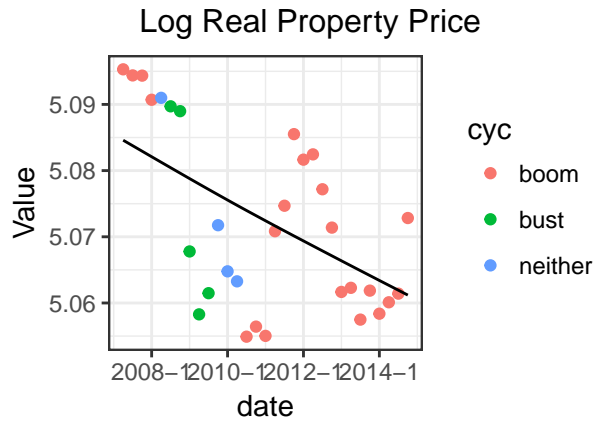
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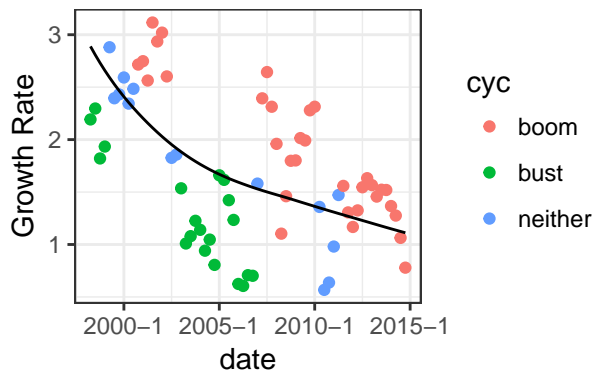
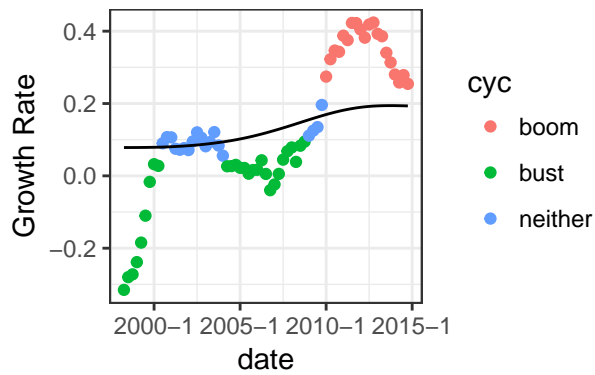
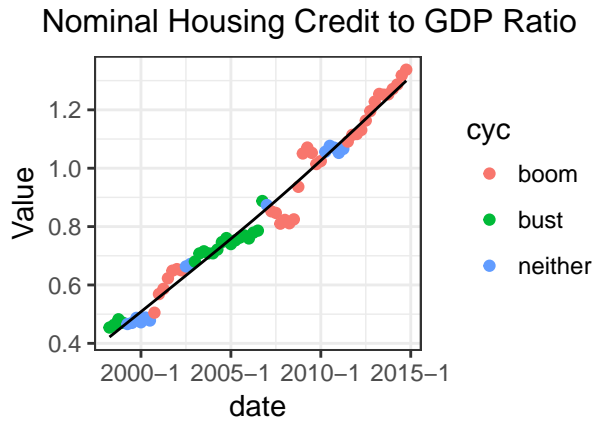
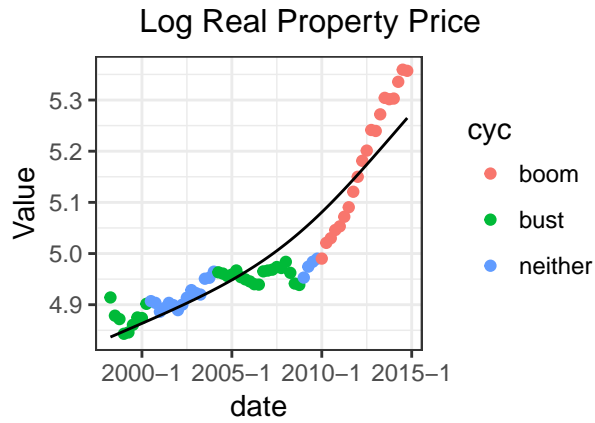
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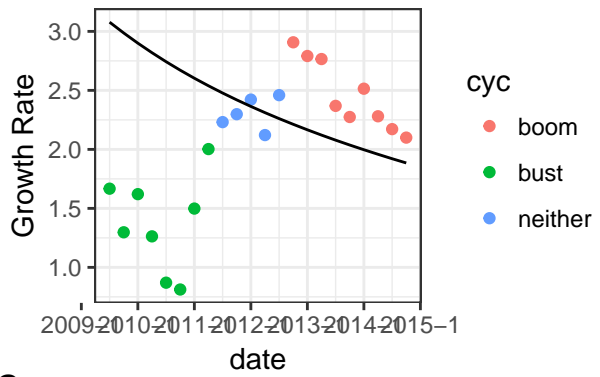
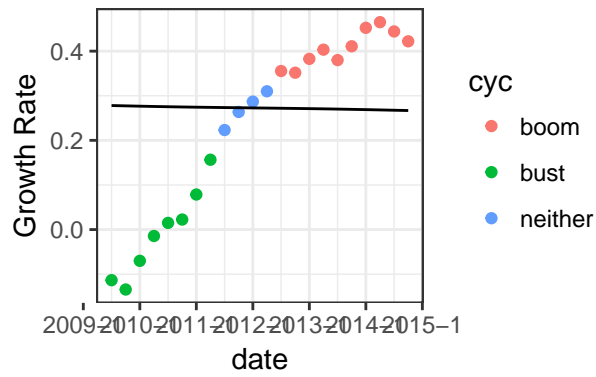
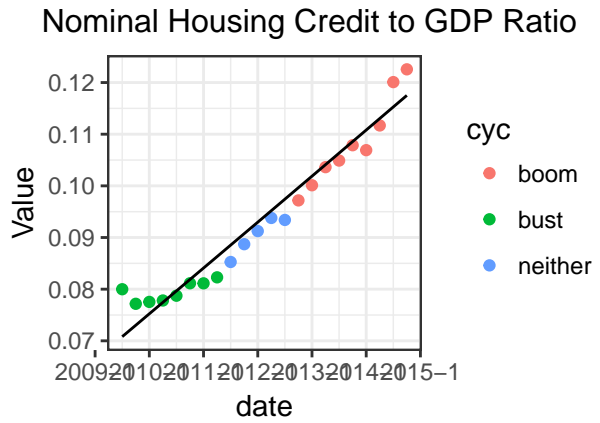
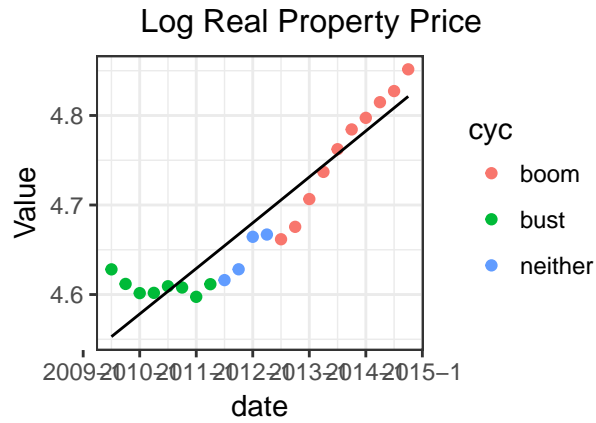
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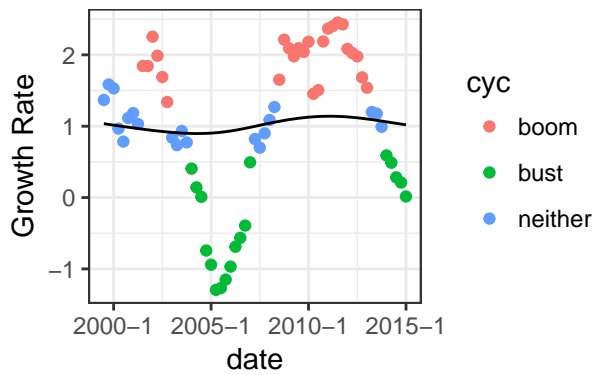
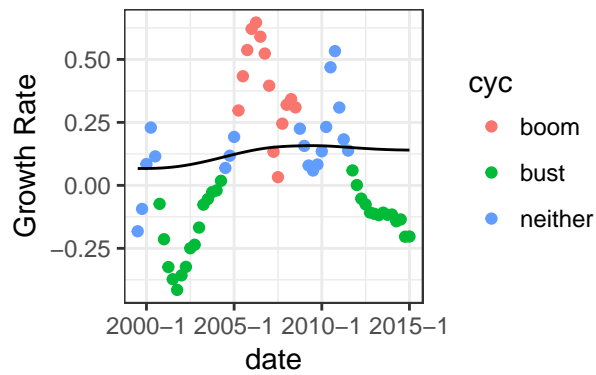
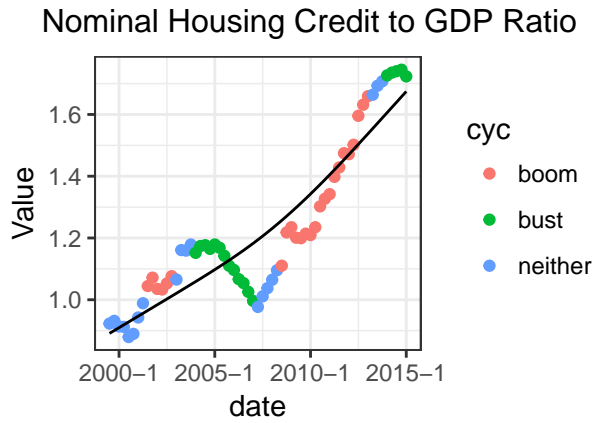
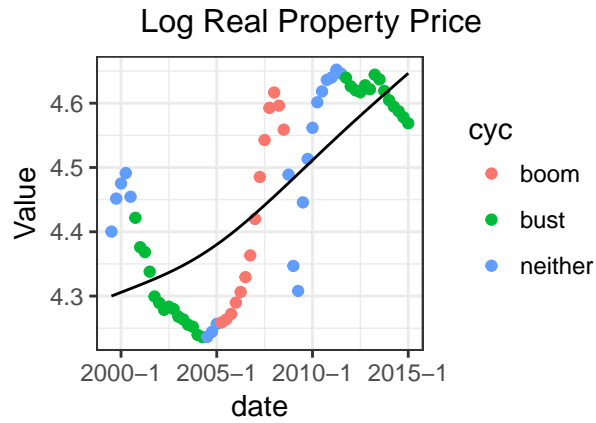
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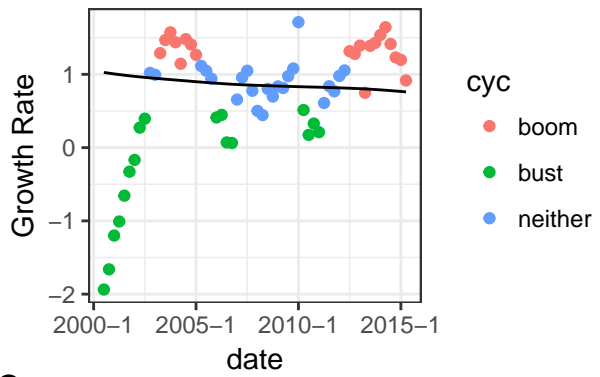
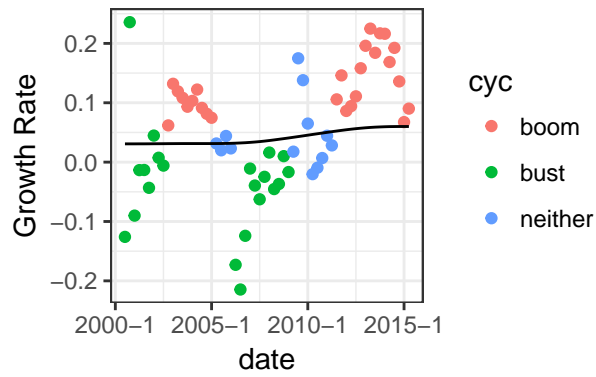
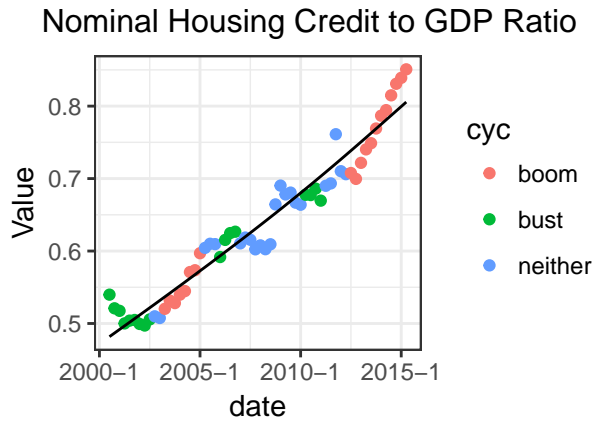
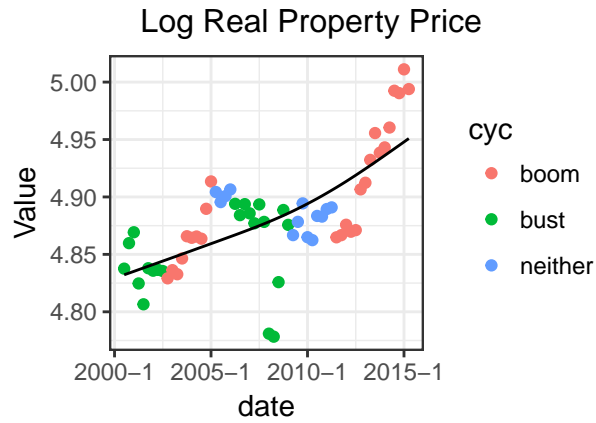
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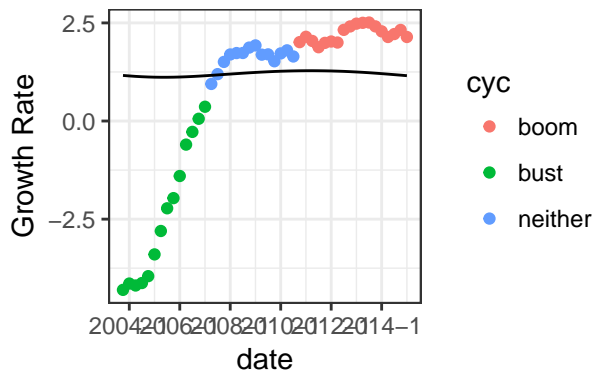
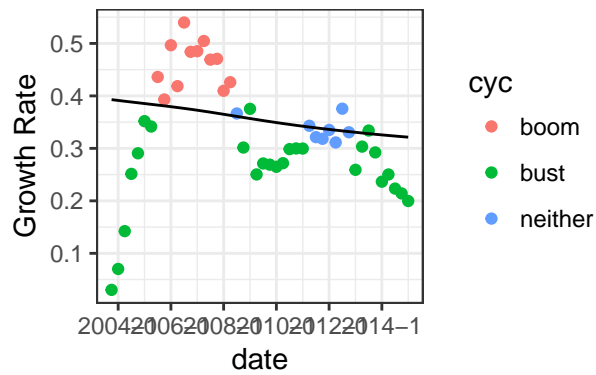
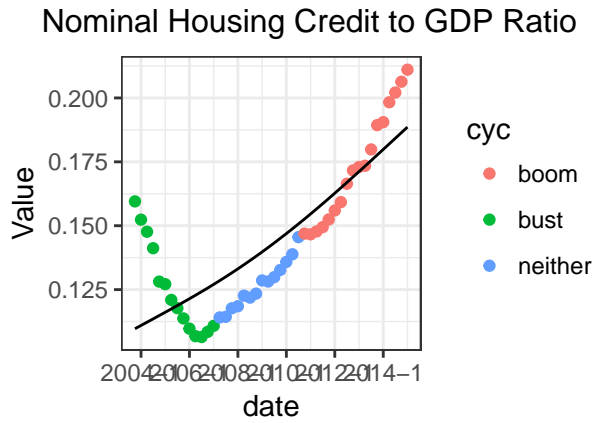
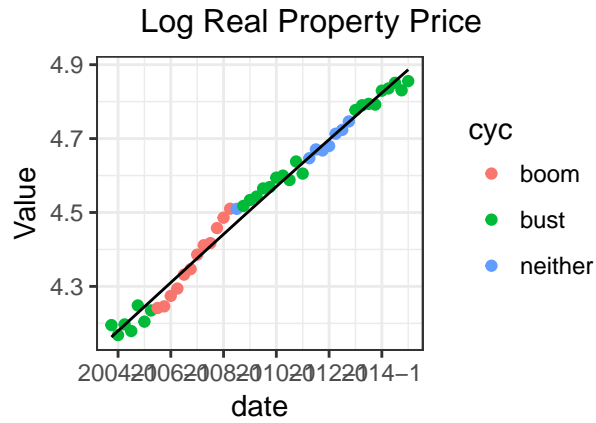
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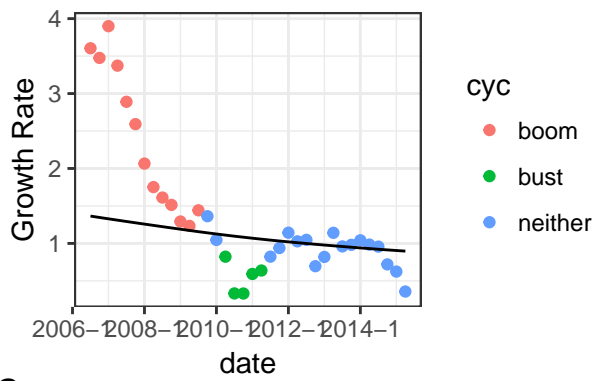
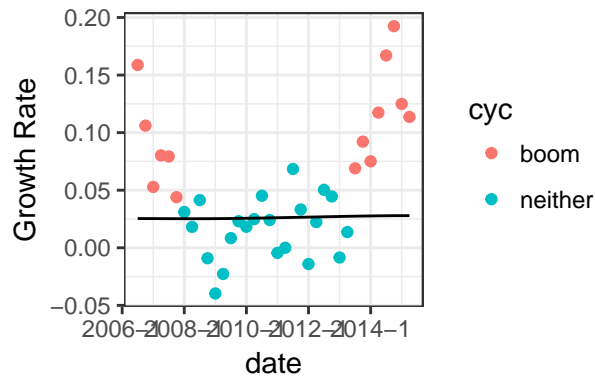
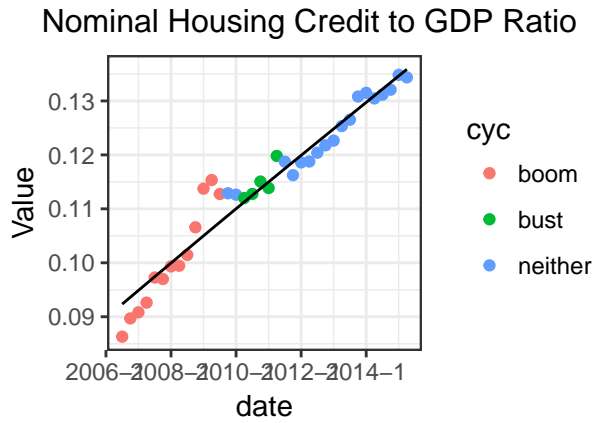
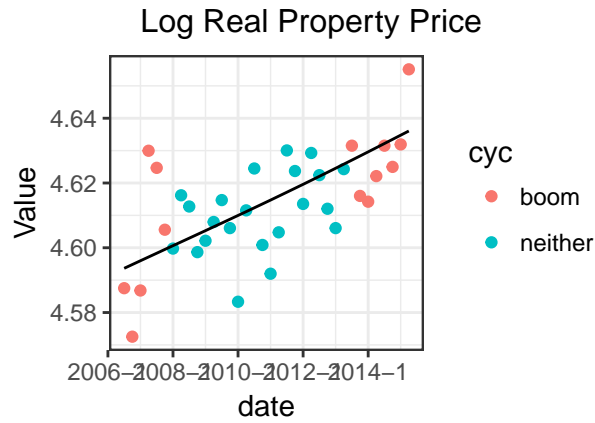
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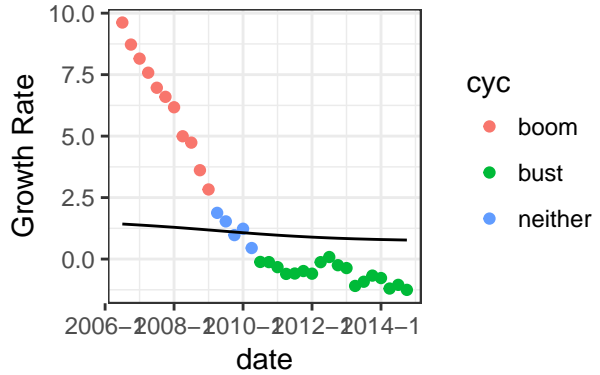
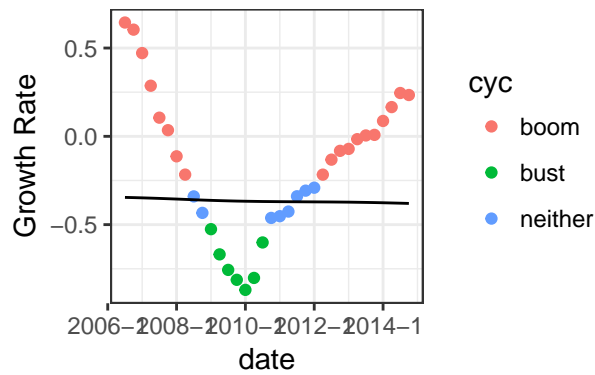
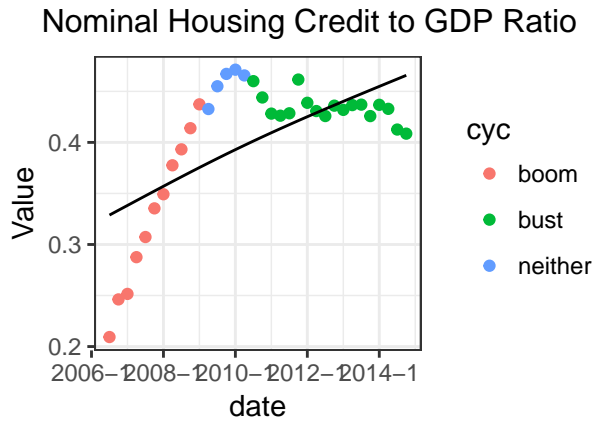
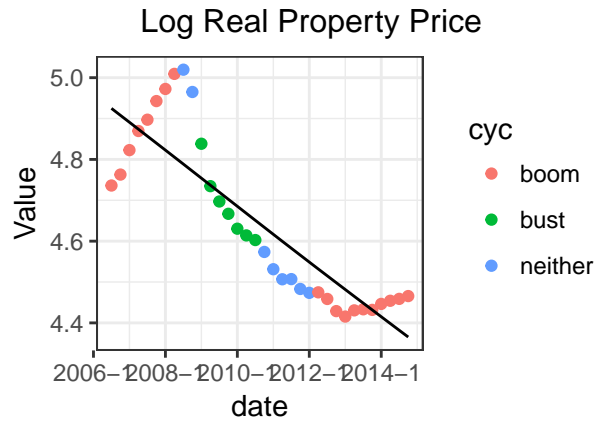
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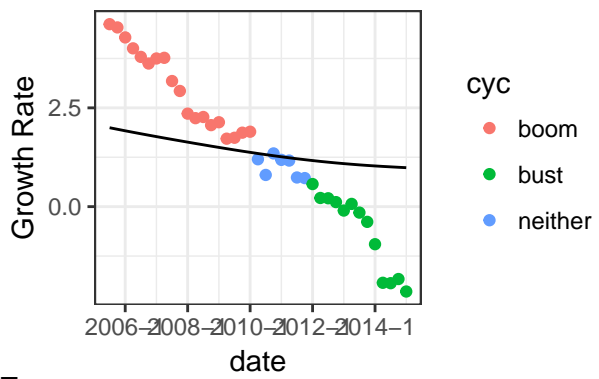
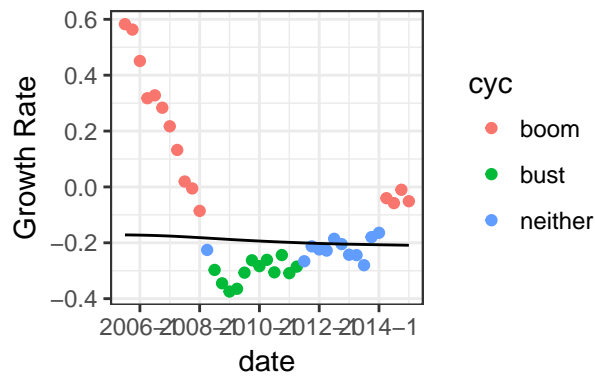
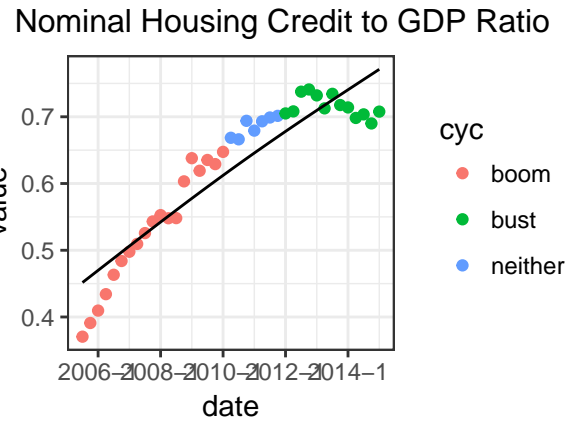
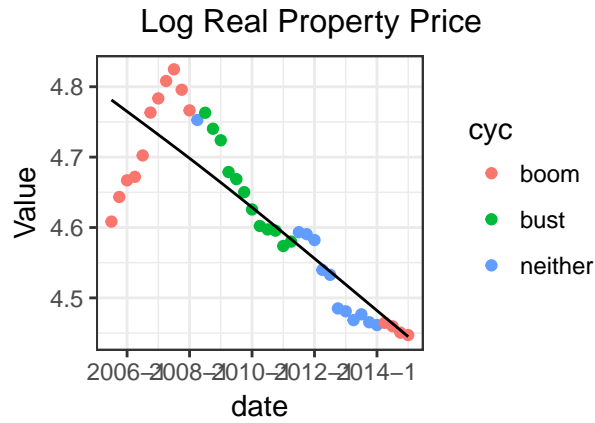
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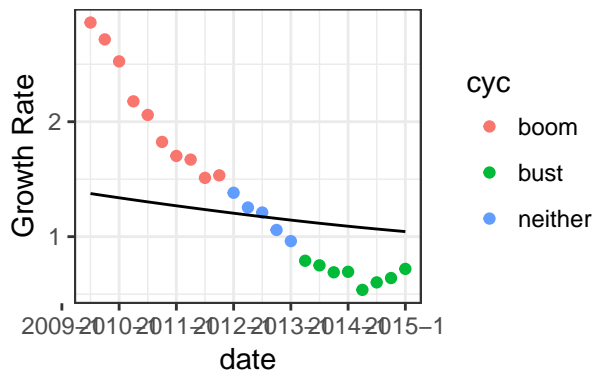
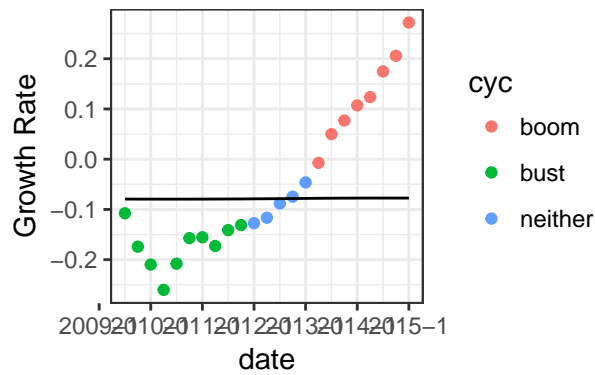
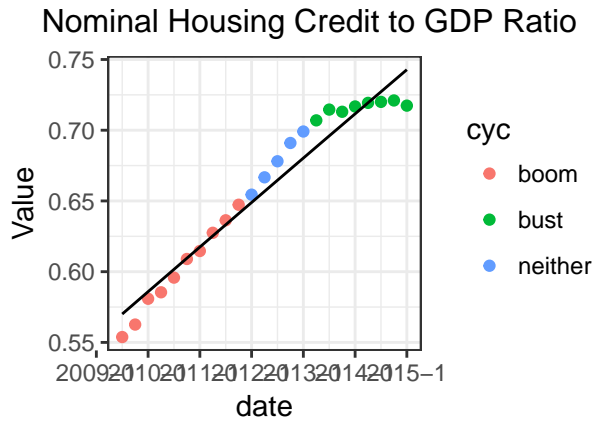
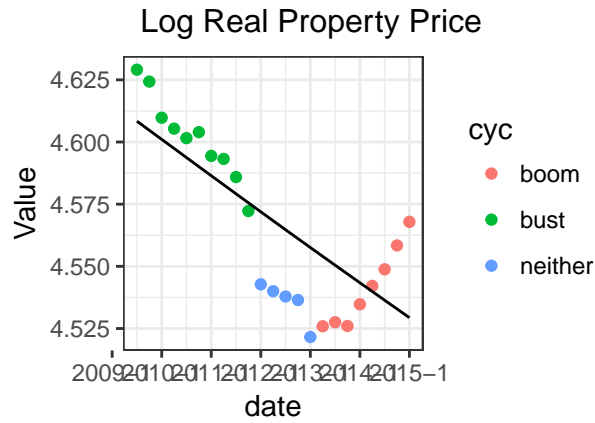
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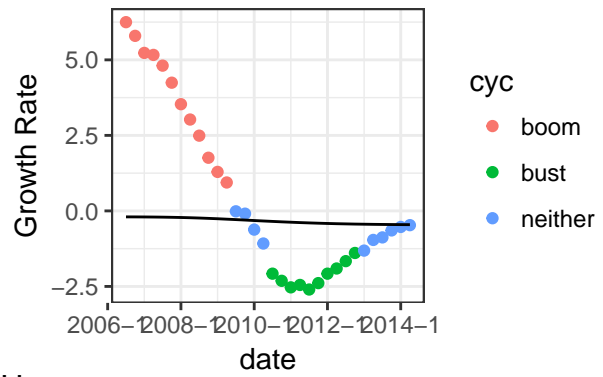
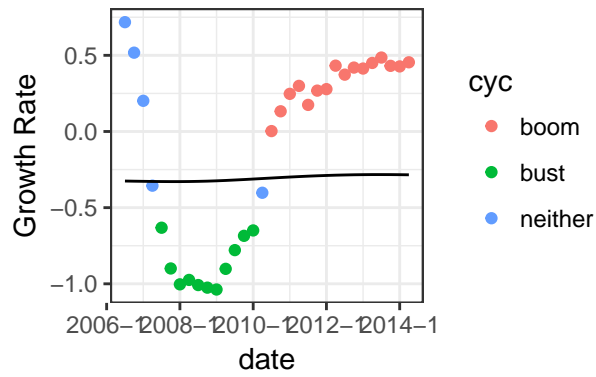
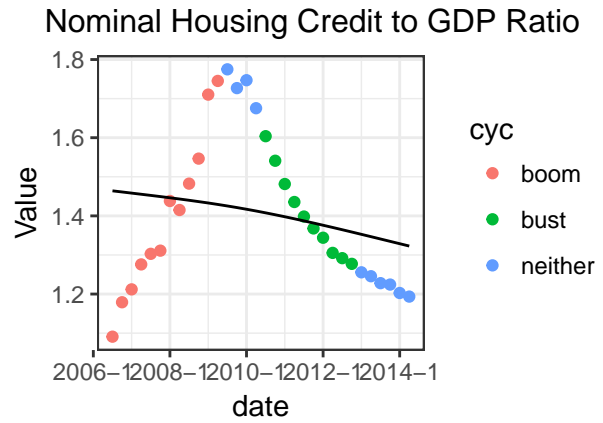
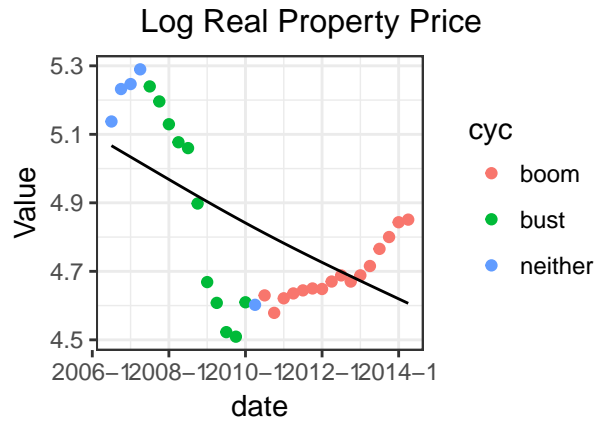
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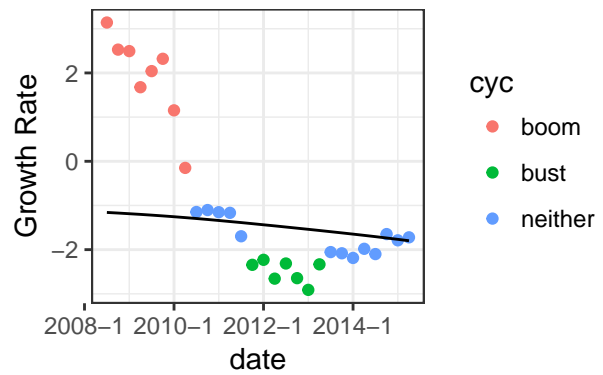
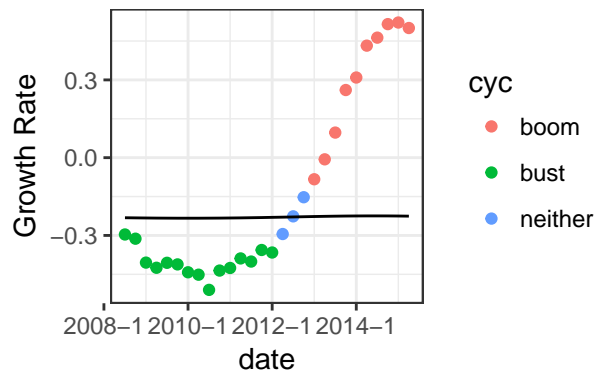
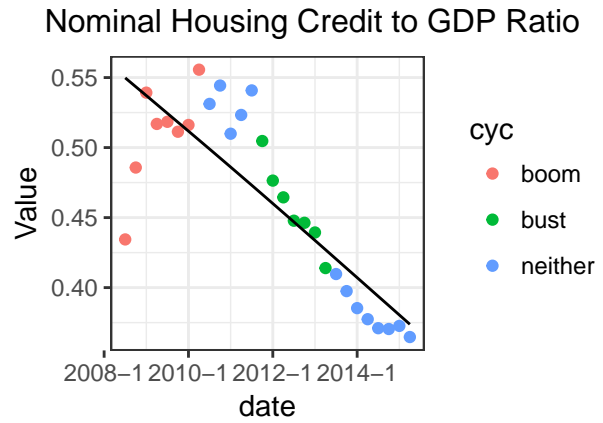
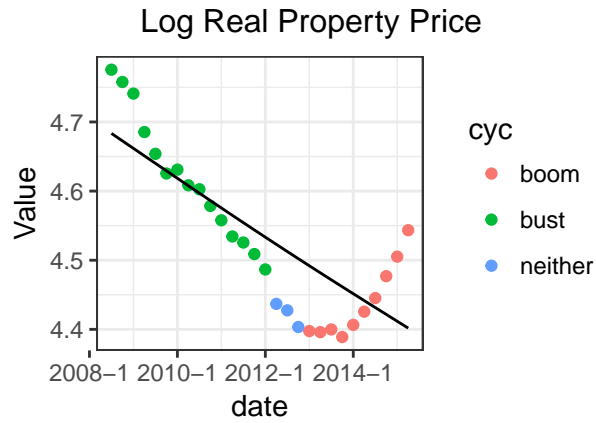
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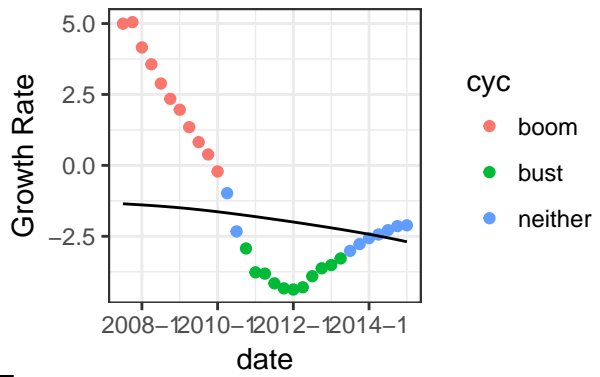
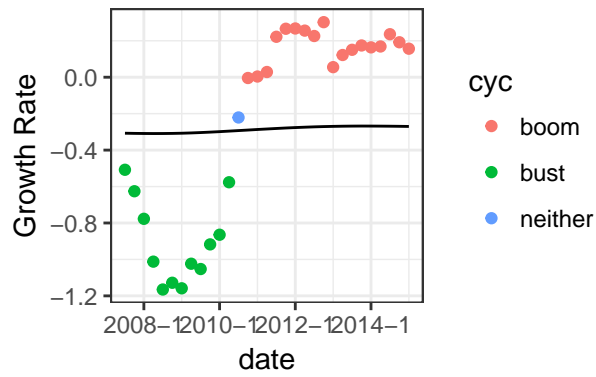
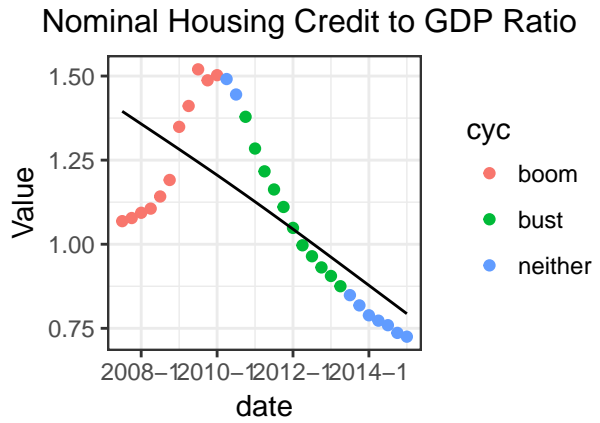
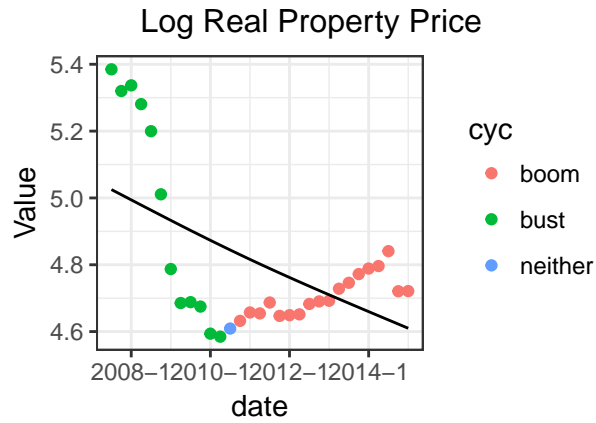
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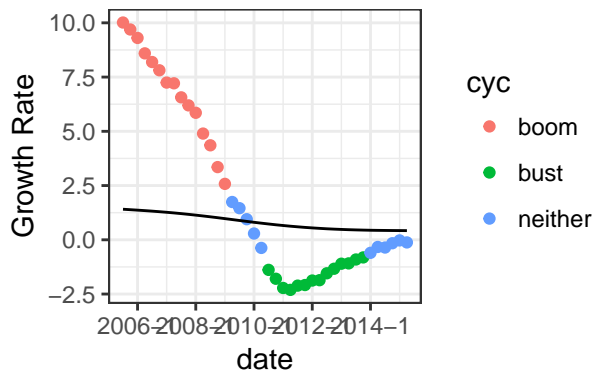
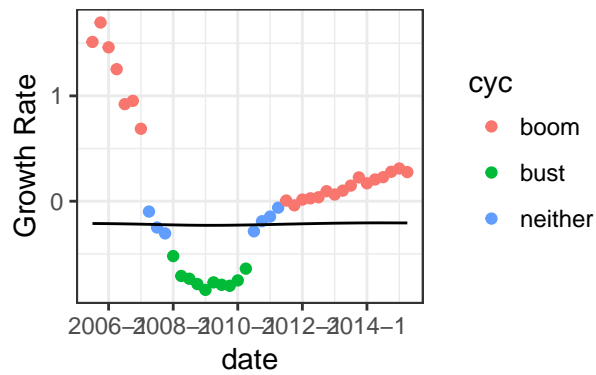
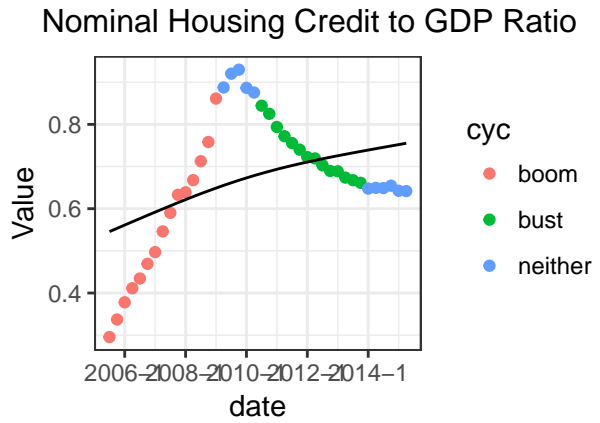
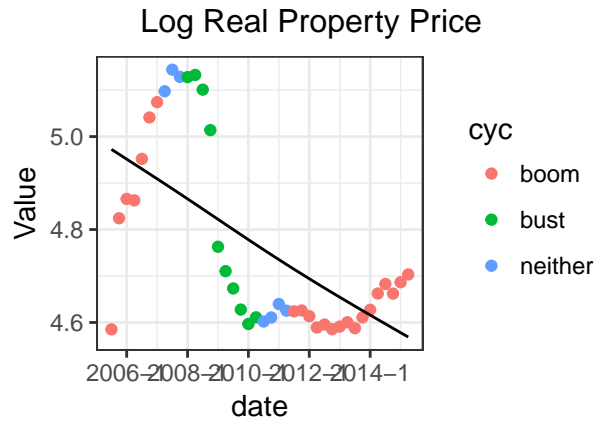
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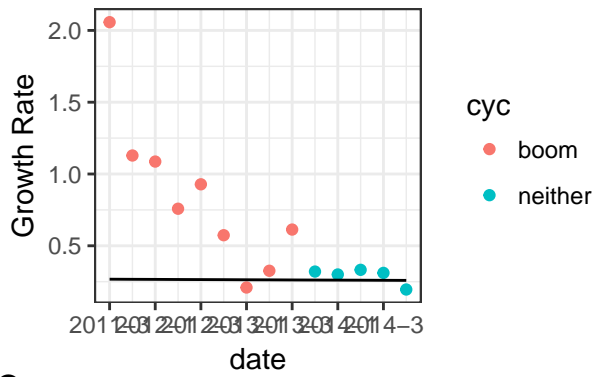
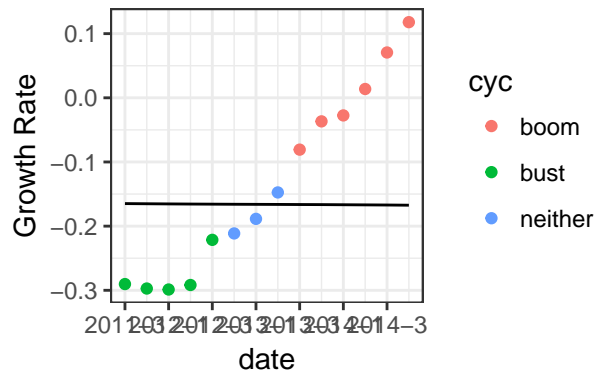
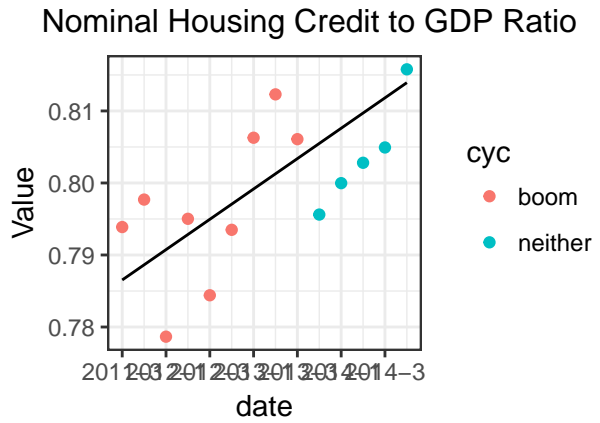
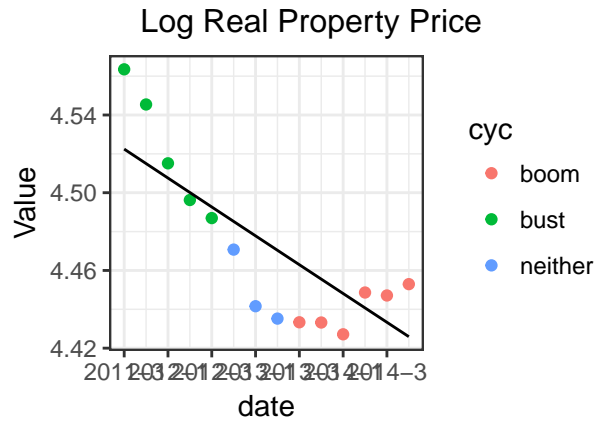
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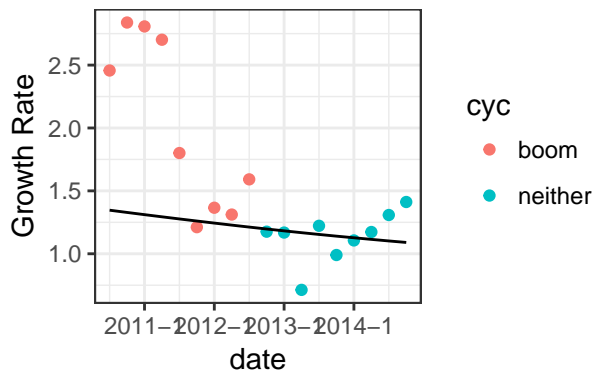
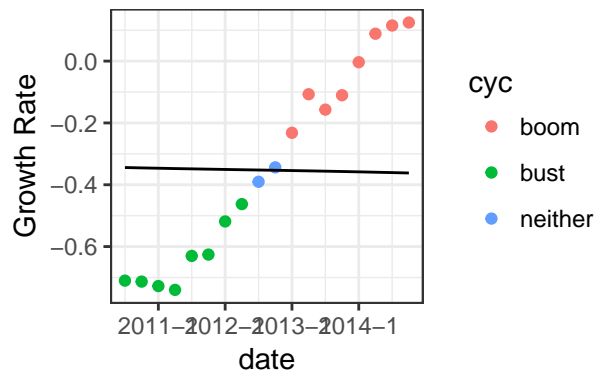
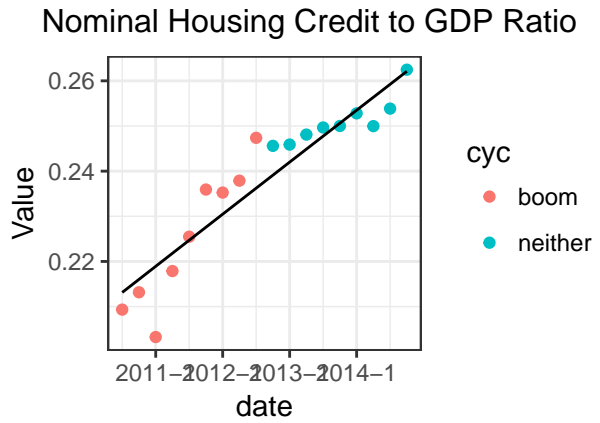
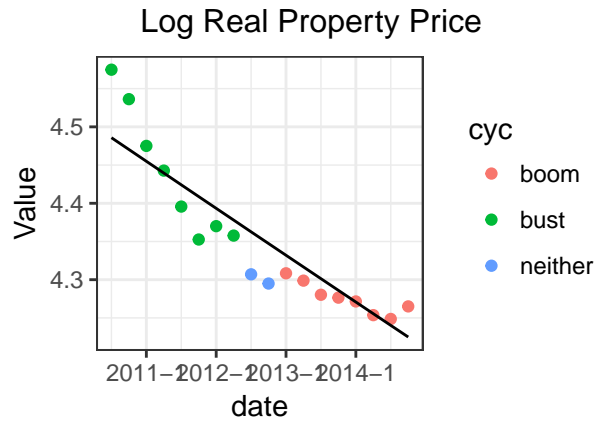
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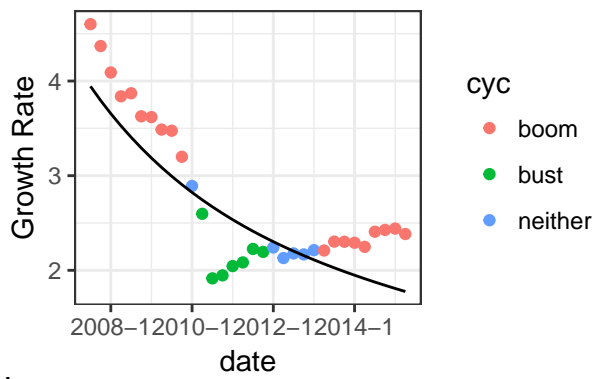
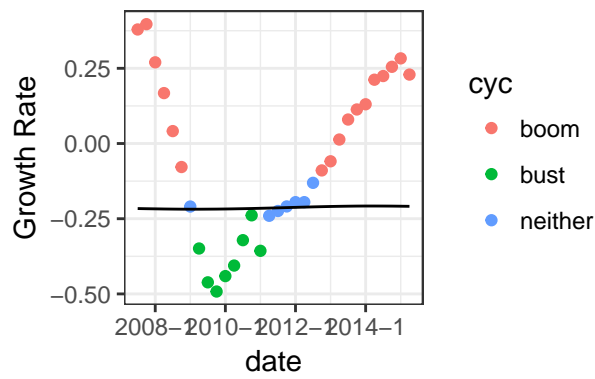
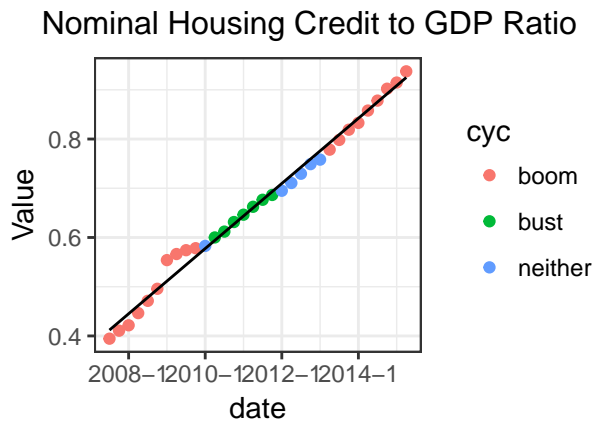
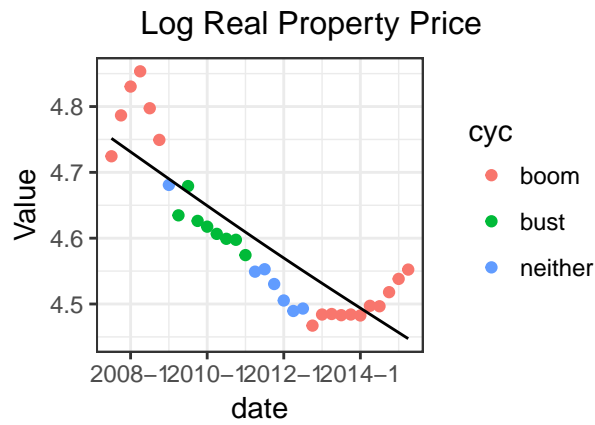
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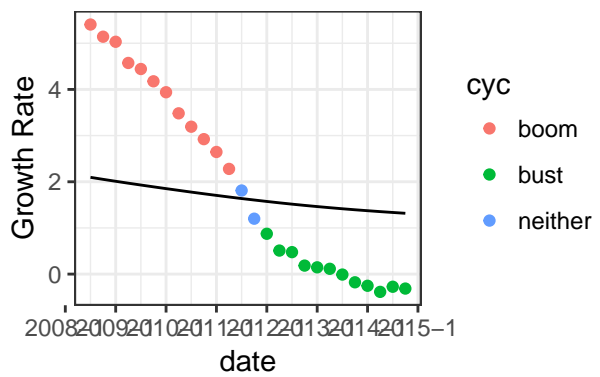
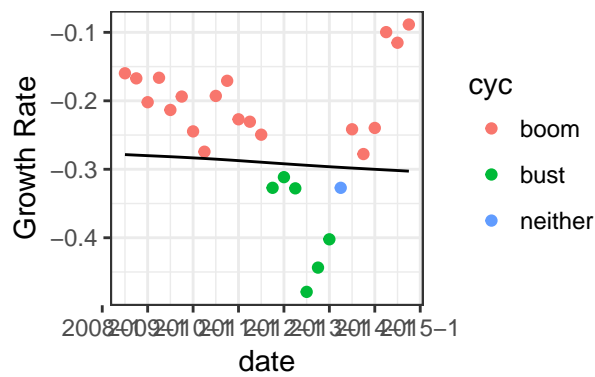
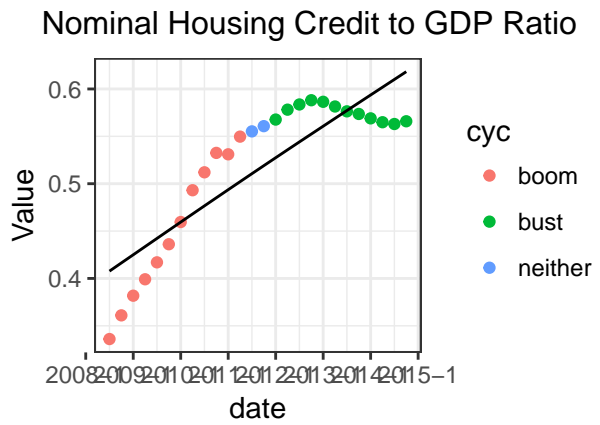
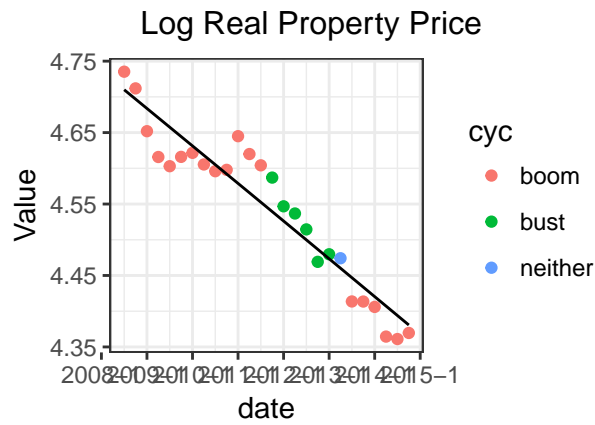
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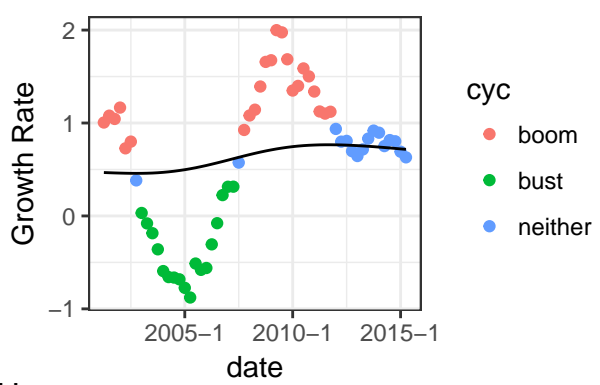
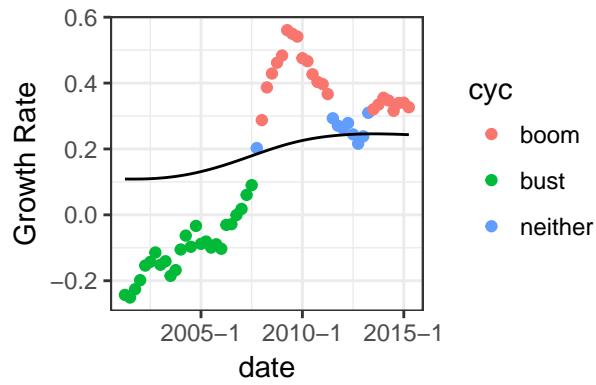
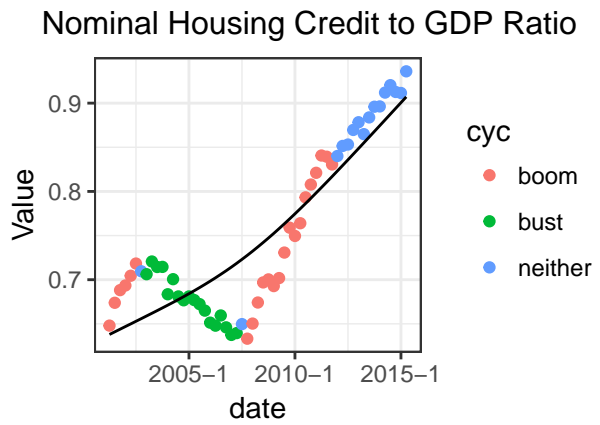
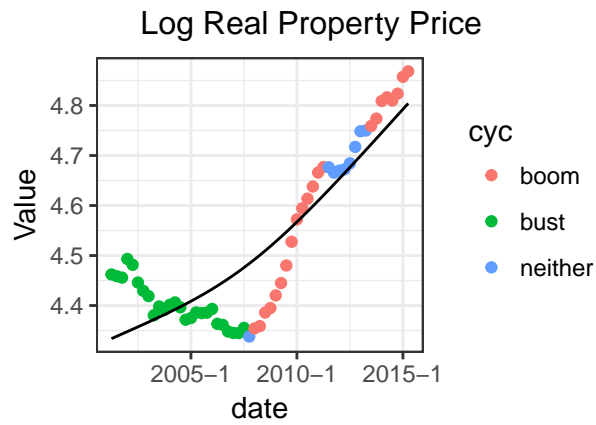
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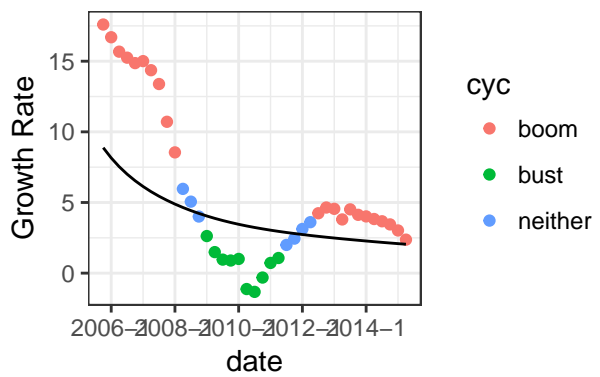
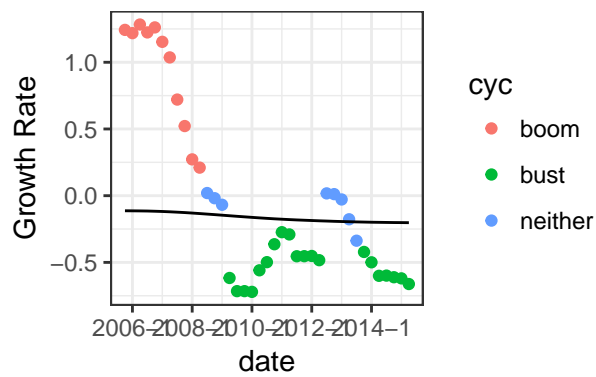
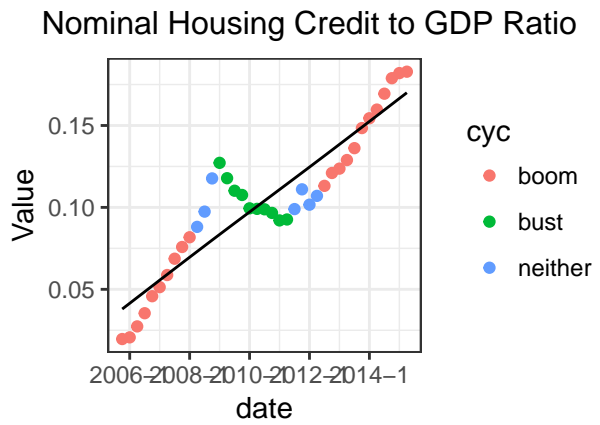
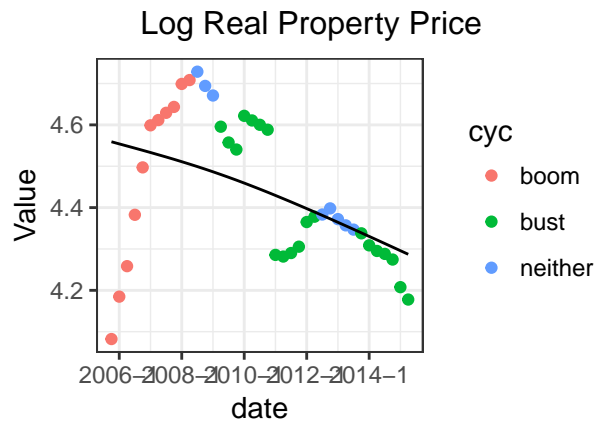
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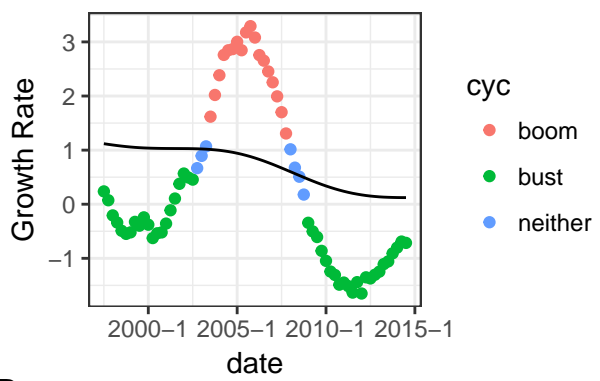
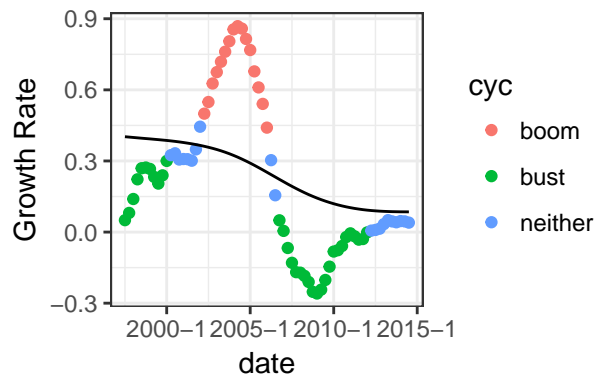
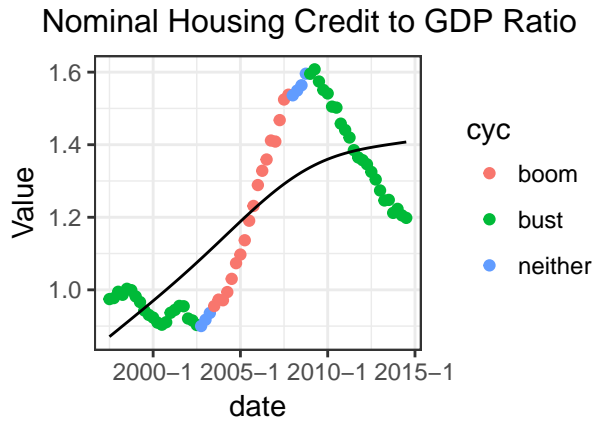
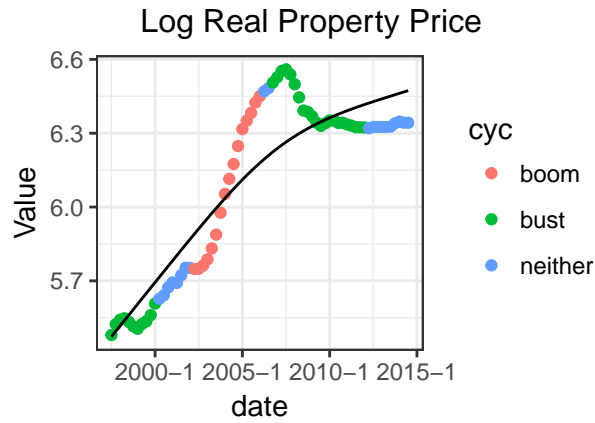
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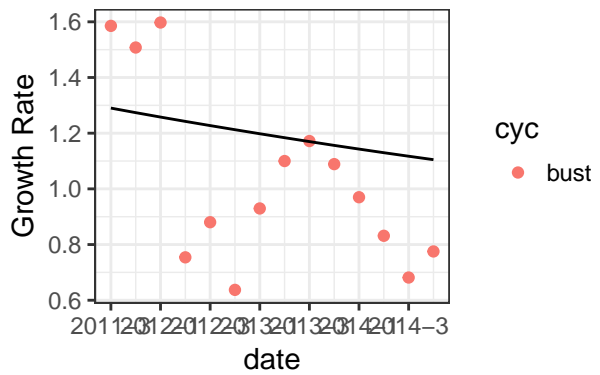
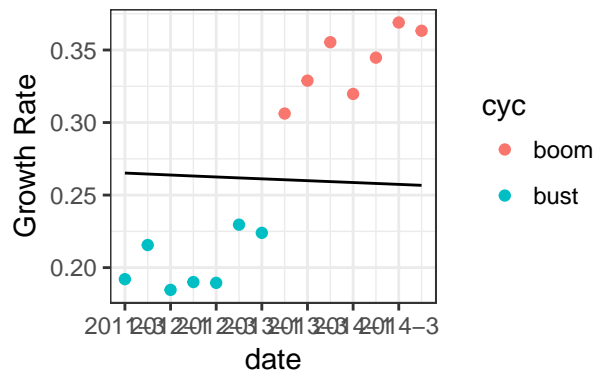
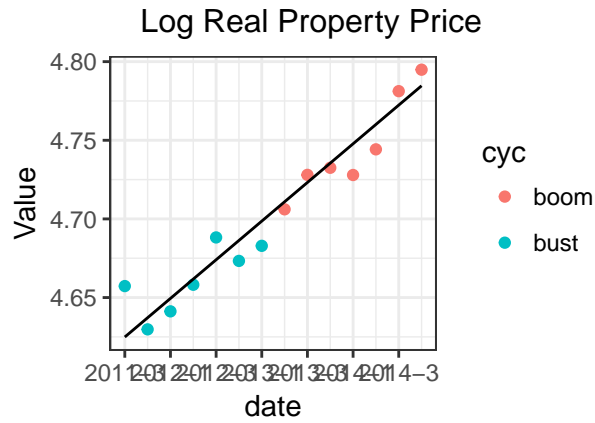
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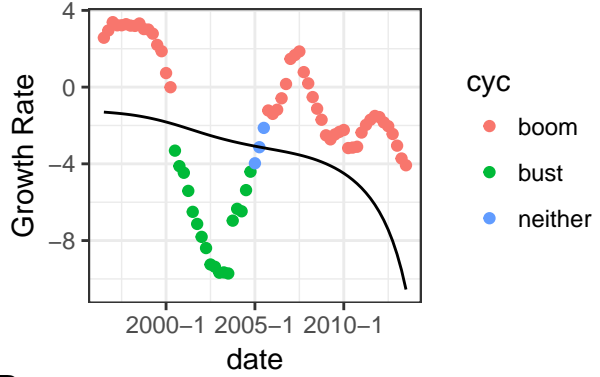
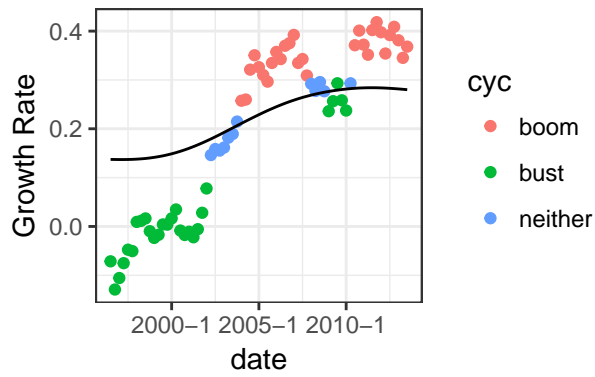
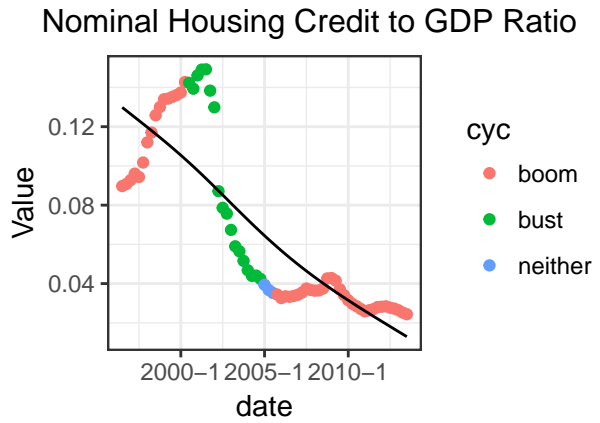
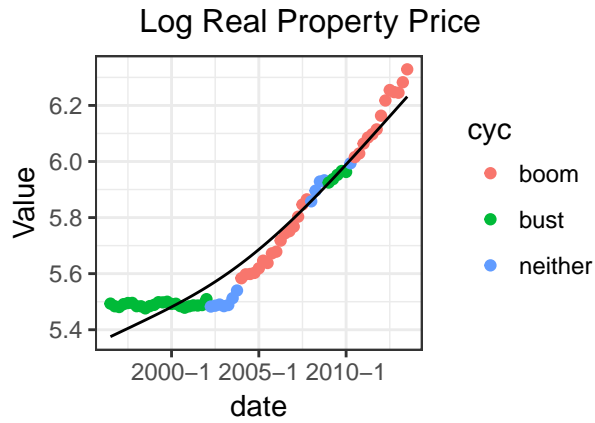
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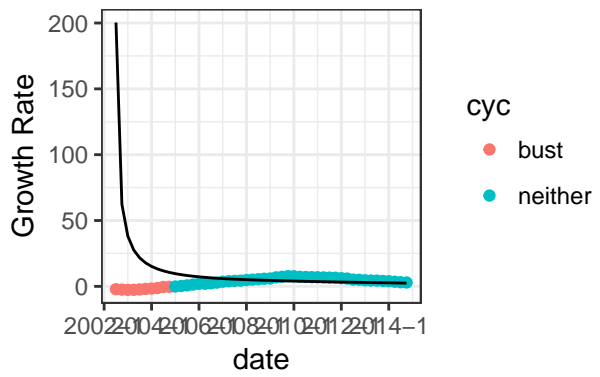
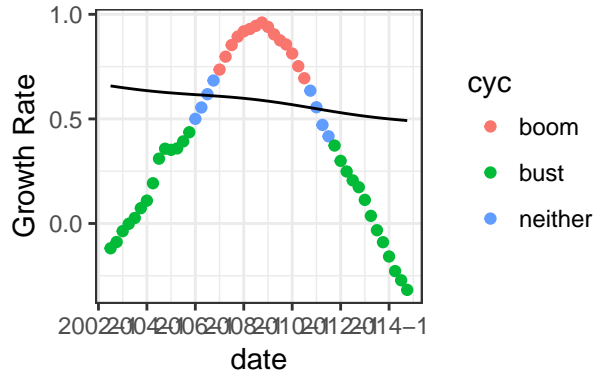
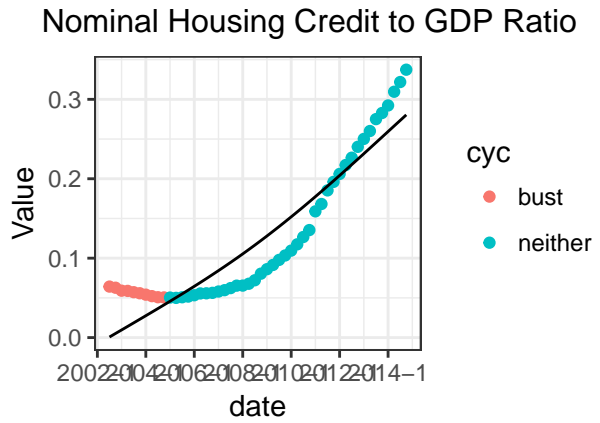
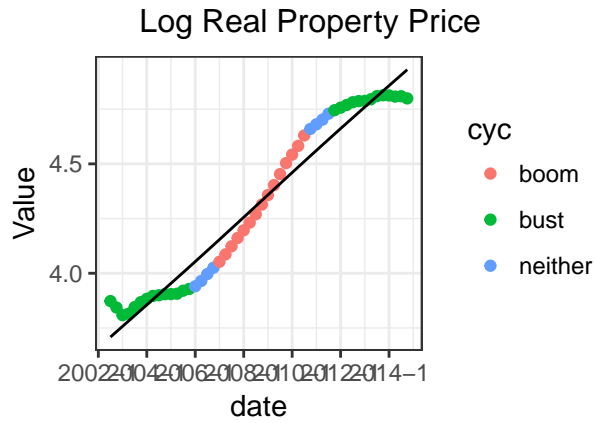
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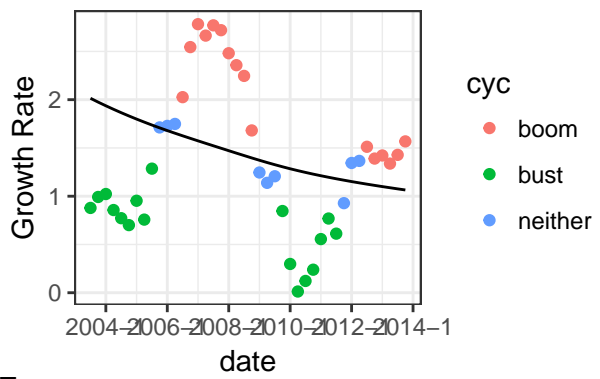
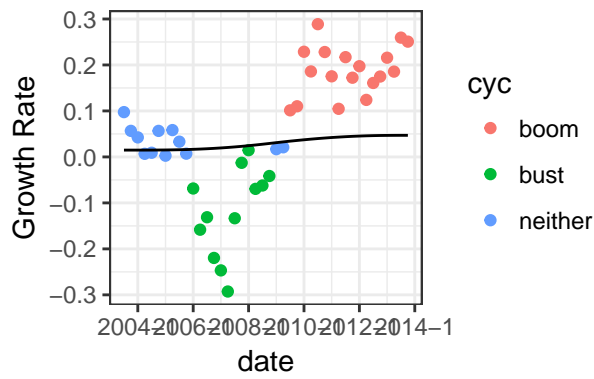
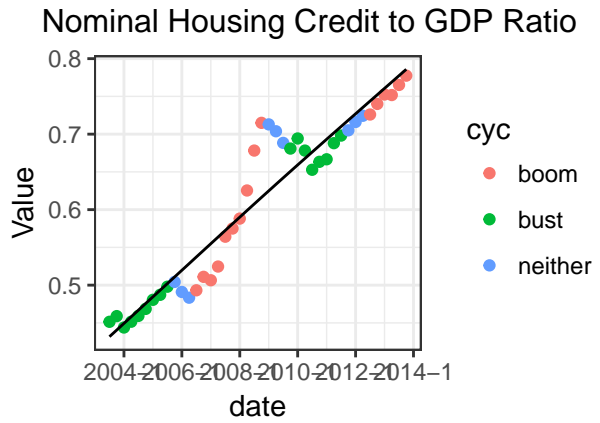
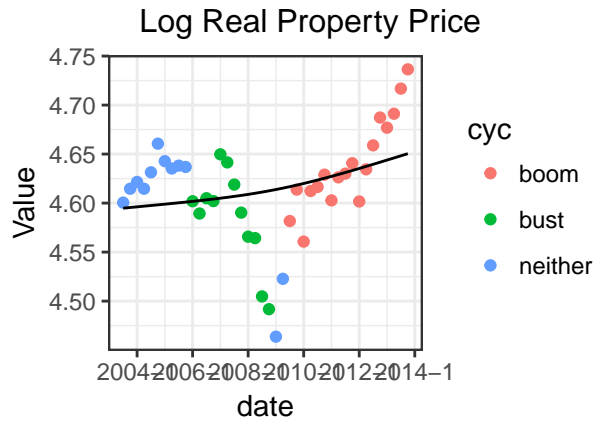
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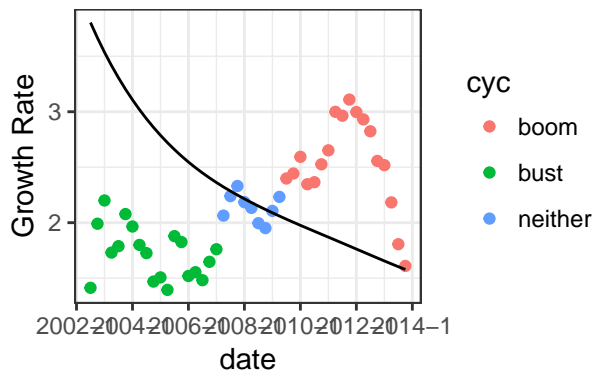
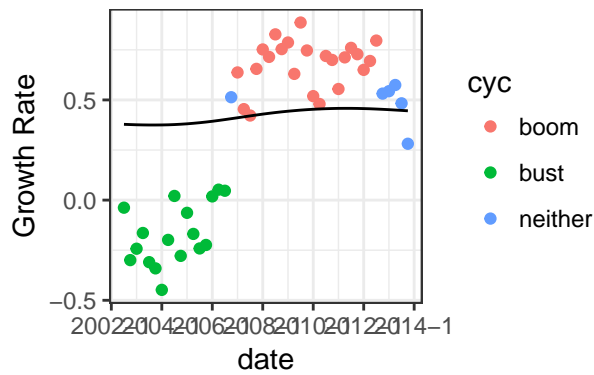
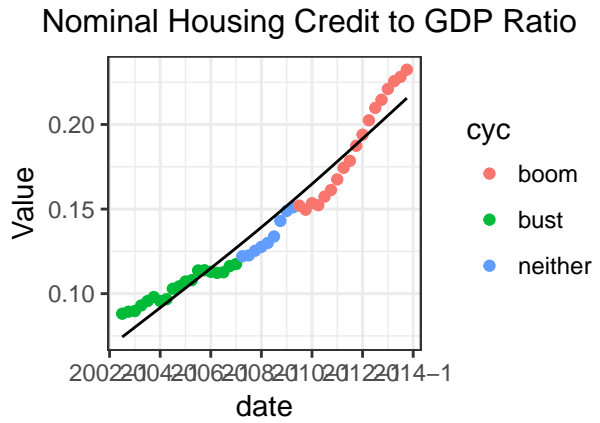
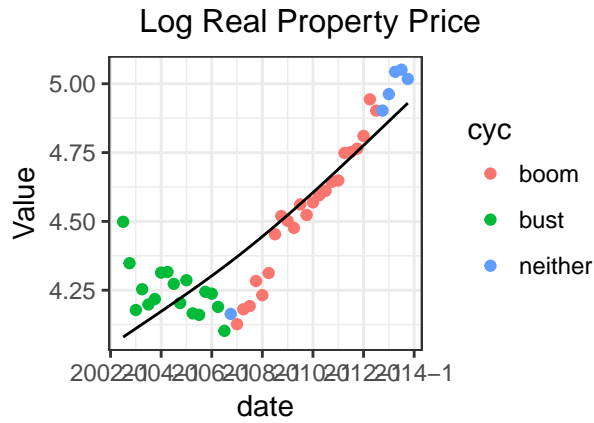
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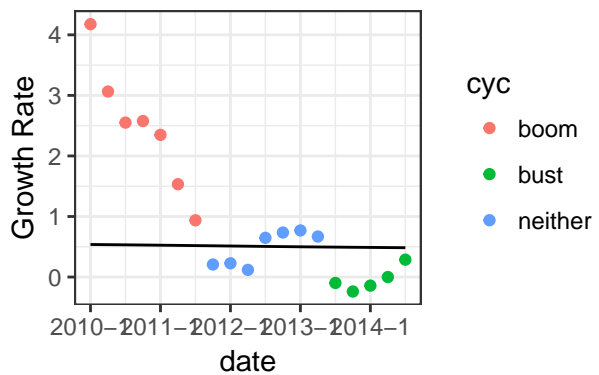
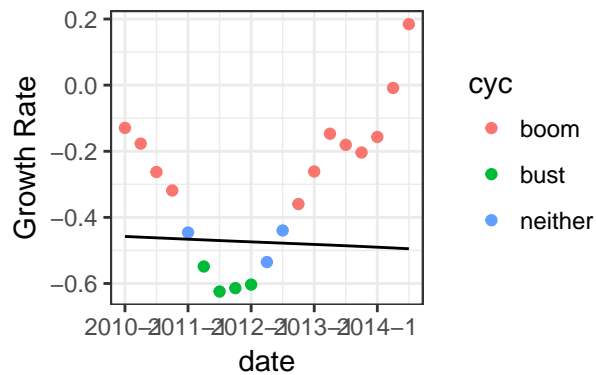
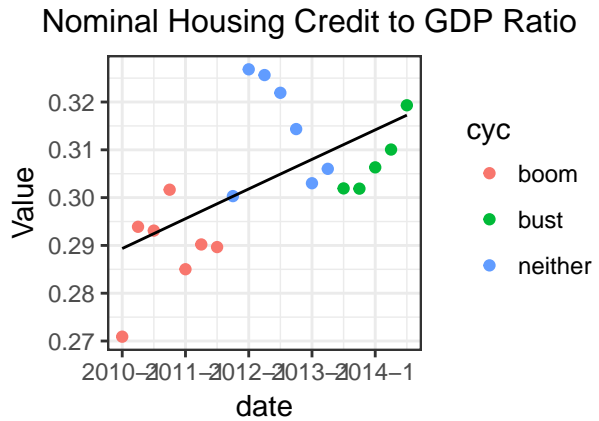
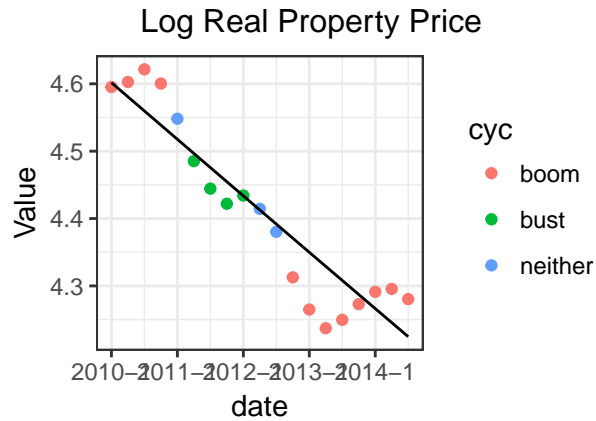
CL



PE



RS



[[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.13955]
```

[[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.14210]
```

[[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.14465]
```

[[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.14720]
```

```
[[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.14975]
```

```
[[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.15230]
```

```
[[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.15485]
```

```
[[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.15740]
```

```
[[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.15995]
```

```
[[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.16250]
```

```
[[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.16505]
```

```
[[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.16760]

```

[[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.17015]

```

[[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.17270]

```

[[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.17525]

```

[[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.17780]

```

[[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.18035]

```

[[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.18290]

```

[[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.18545]

```

[[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.18790

[[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.19045

[[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.19300

[[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.19555

[[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.19810

[[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.20065

[[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.20320

[[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.20575

```
[[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.20830]
```

```
[[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.21085]
```

```
[[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.21340]
```

```
[[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.21595]
```

```
[[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.21850]
```

```
[[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.22105]
```

```
[[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.22350]
```

```
[[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.22605]
```

```
[[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.22860]
```

```
[[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.23115]
```

```
[[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.23370]
```

```
[[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.23625]
```

```
[[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.23880]
```

```
[[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.24135]
```

```
[[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.24380]
```

```
[[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.24625]

```

[[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.24880]

```

[[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.25135]

```

[[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.25390]

```

[[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.25645]

```

[[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.25900]

```

[[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.26125]

```

[[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.26380]

```

[[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.26625]
```

```
[[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.26880]
```

```
[[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.27135]
```

```
[[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.27390]
```