

Appendix: Do relatively democratic countries grow faster?

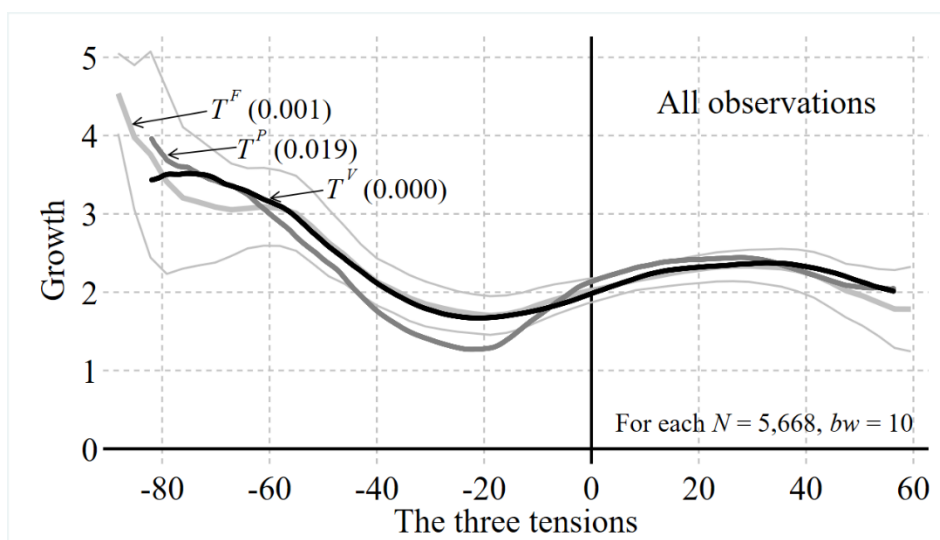
All graphs final version

Nr	Section	Page
1	All five graphs with 3 curves	1
2	Individual curves for all 5,668 observations	4
	Histograms for all observations	5
3	Part 1: first quarter by y , $N = 1,417$	6
	Histograms for part 1	7
4	Part 2: second quarter by y , $N = 1,417$	8
	Histograms for part 2	9
5	Part 3: third quarter by y , $N = 1,417$	10
	Histograms for part 3	11
6	Part 4: fourth quarter by y , $N = 1,417$	12
	Histograms for part 4	13

Graphs reported in the main paper are indicated as [figure nr]. All curves are either kernel regressions with the bandwidth (bw) mentioned or histograms. The kernel curves for T^F , T^P , and T^V are drawn in light gray, dark gray, and black respectively. The 95% confidence intervals on Figures 1 and 2 are for the T^F -curve.

1 All 5 graphs with 3 curves

Figure A1a
Three curves
For all
See also Figure A3



The three curves on Figure A1 are drawn individually with confidence intervals as Figure A3a to c. Figure A2a to c and Part 3 to 6 are for 4 parts divided by income, see Table 1

Table 1. The four parts of the data. They are divided by y

Part	N	Stats for income y					Stats for growth g				
		From	To	Av	Std	Se	Min	Max	Av	std	SE
1	1,417	6.078	7.585	7.187	0.287	0.008	-36.56	34.67	0.884	5.222	0.139
2	1,417	7.585	8.748	8.199	0.336	0.009	-33.67	29.58	2.322	5.529	0.147
3	1,417	8.749	9.749	9.210	0.270	0.007	-31.68	34.51	2.857	4.952	0.132
4	1,417	9.707	11.346	10.243	0.334	0.009	-15.93	14.73	2.373	3.019	0.080
All	5,668	6.078	11.345	8.700	1.191	0.016	-36.56	34.67	2.109	4.837	0.064

Av is the arithmetic average, Std is the standard deviation, and SE is standard error. As the growth rate has a hump-shaped transition path the $Av(g)$ column first increase and then decrease. The differences between the $Av(g)$ s are significant.

Figure A2a
Three curves
Part 1
[Figure 4]

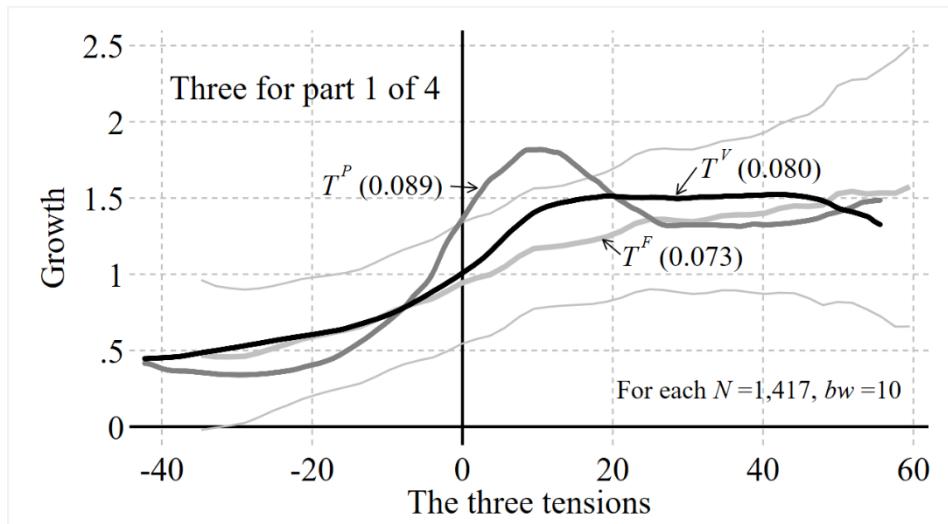


Figure A2b
Three curves
Part 2
[Figure 5]

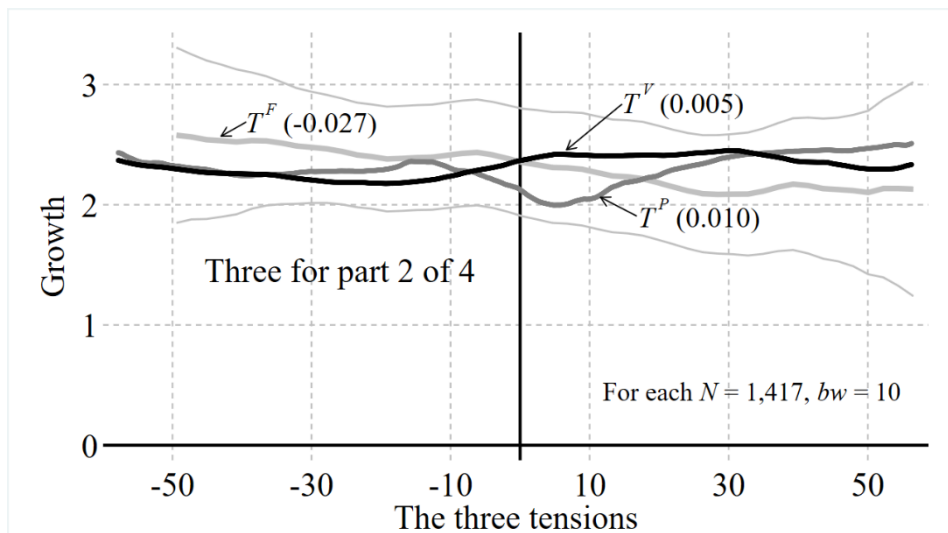


Figure A2c
 Three curves
 Part 3
 [Figure 6]

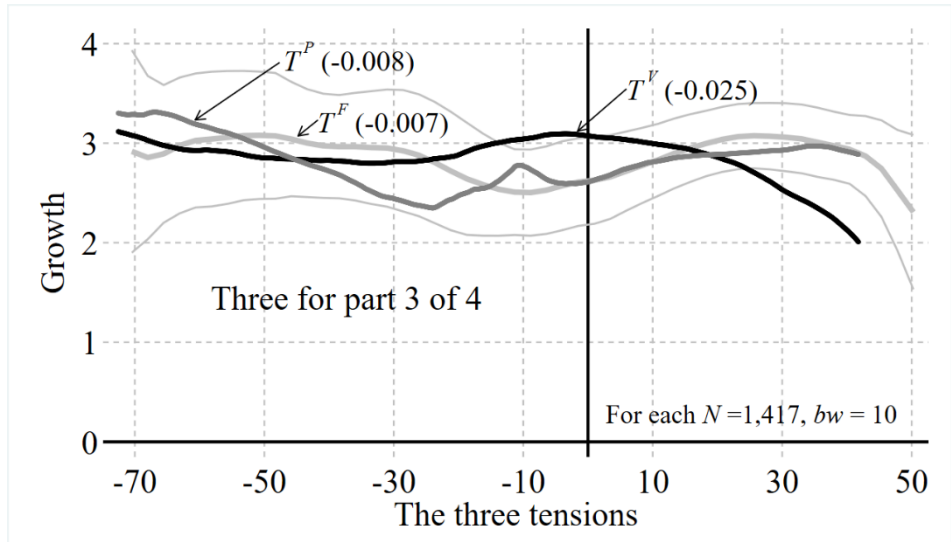
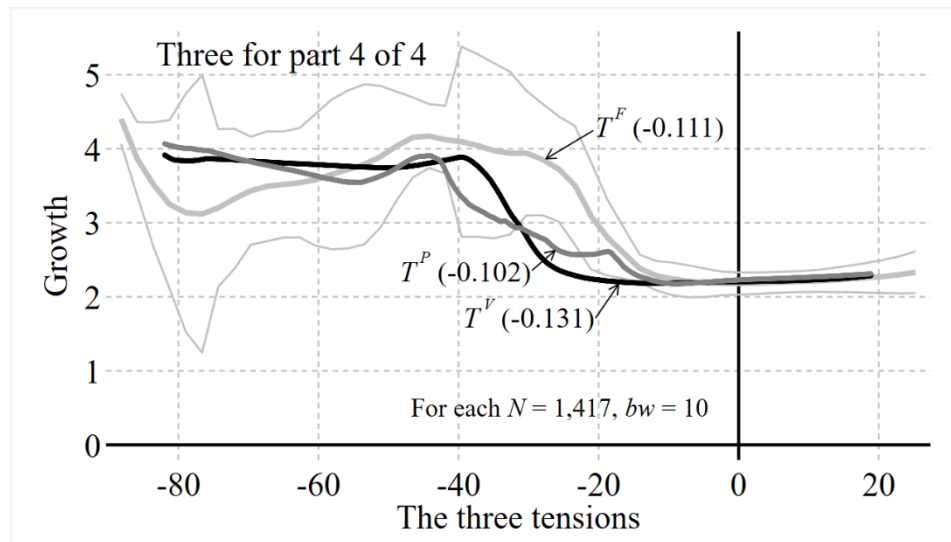


Figure A2d
 Three curves
 Part 4
 [Figure 7]



An interesting point is if the results for the three democracy indices differ. If the three pictures for the indices are considered throughout the paper it is obvious that the grand pattern in the indices are the same. That is, if a paper is made using one index, the default is that much the same results would appear if another index was used.

The main differences are that the P -index has a more two topped distribution – both for the index itself and for the tension variable T^P . The V -index is more compressed.

2 Individual curves for all 5,668 observations

Figure A3a
For T^F
[Figure 3a]

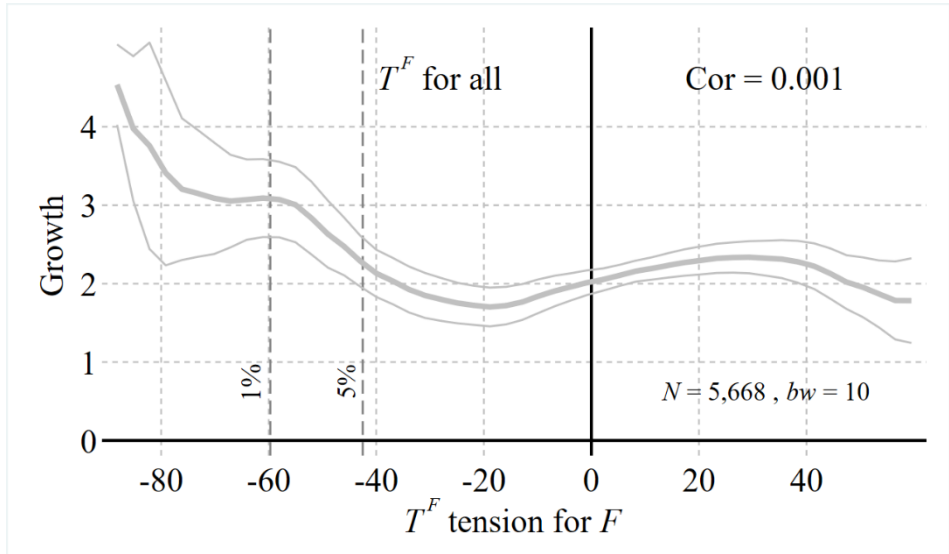


Figure A3b
For T^P
[Figure 3b]

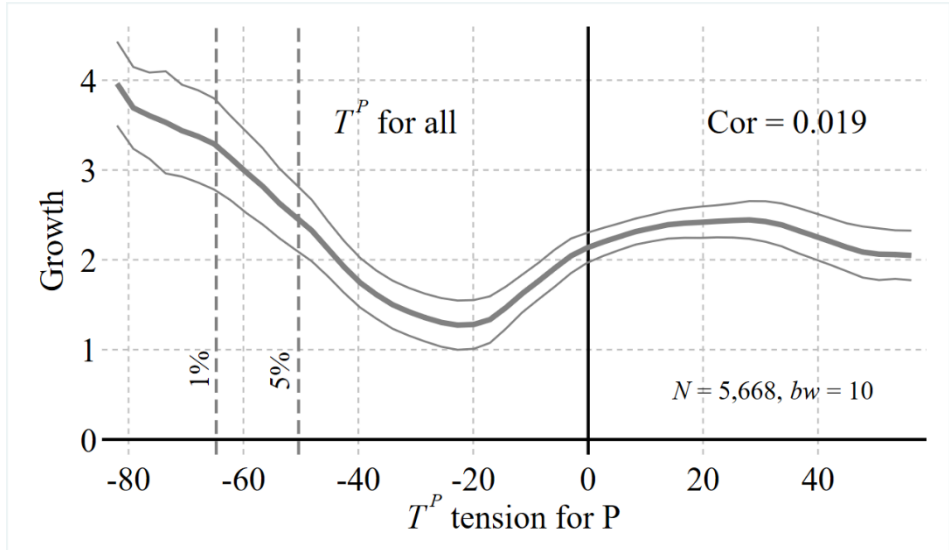
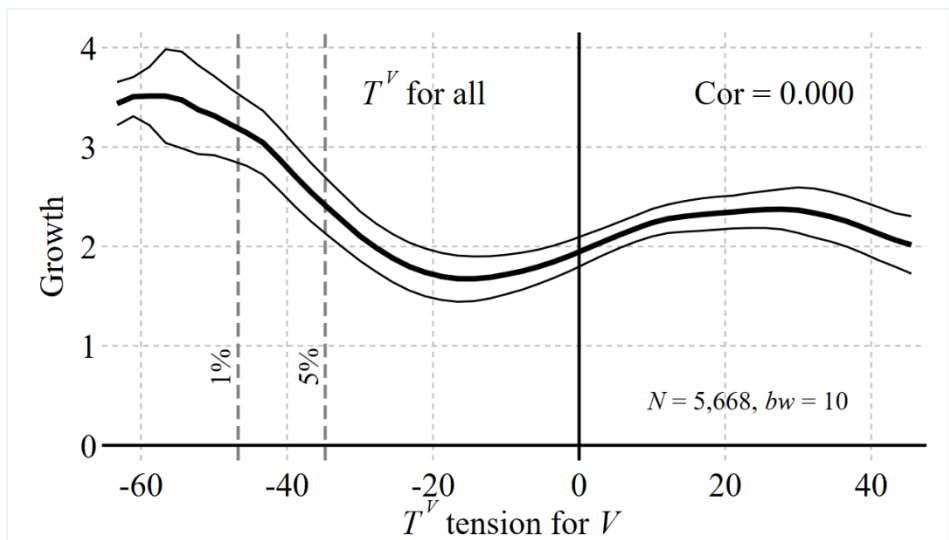


Figure A3c
For T^V
[Figure 3c]



The intervals to the left of dashed vertical lines are to show where 1% and 5% of the observations are. It is obvious that these observations are thin.

Histograms for all observations

Figure A4a
For T^F

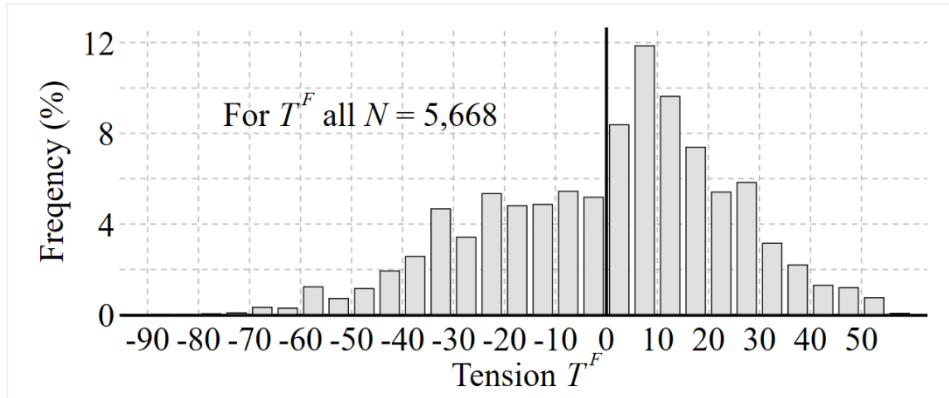


Figure A4b
For T^P

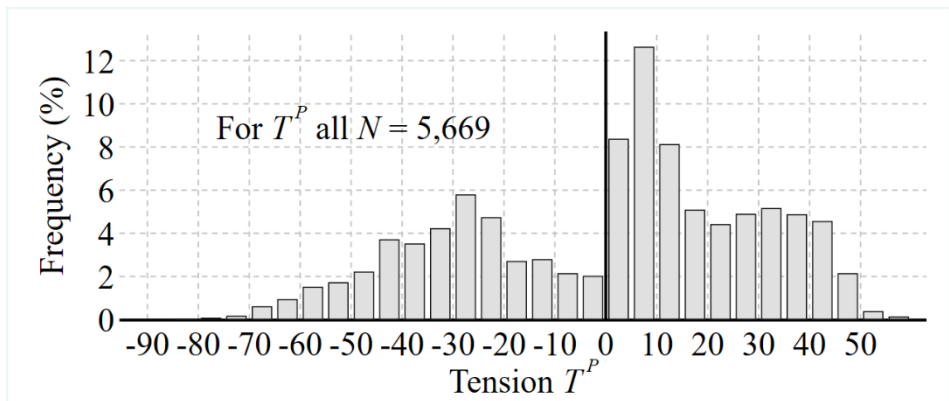
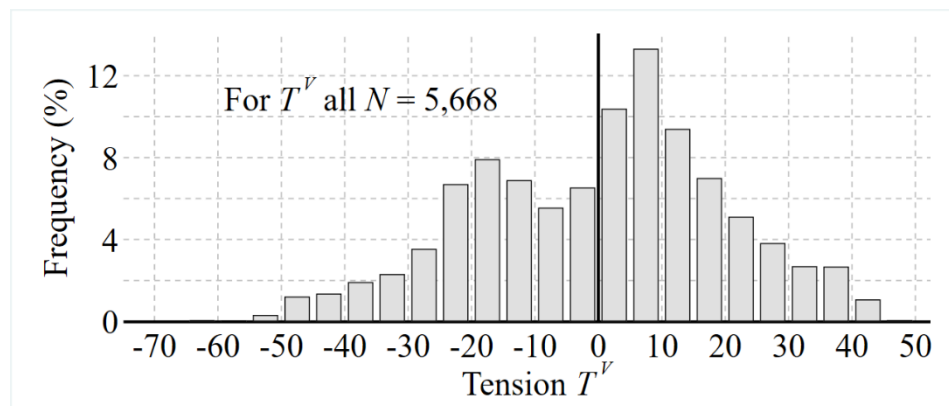


Figure A4c
For T^V



The distributions are all a bit two topped as argued in the text. The problem is particularly strong for the T^P -variable as is also reflected on the kernel-curve.

3 Part 1: first quarter by y, N = 1,417

Figure A5a
For F

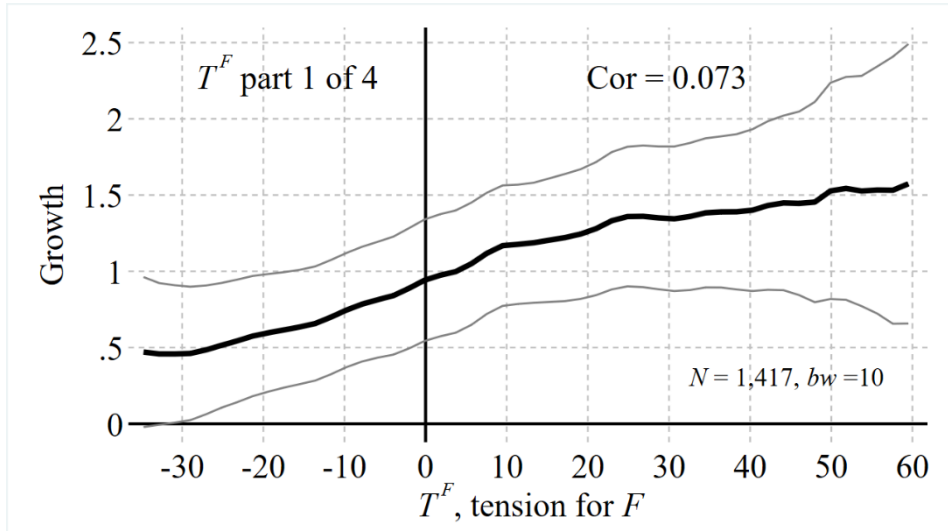


Figure A5b
For P

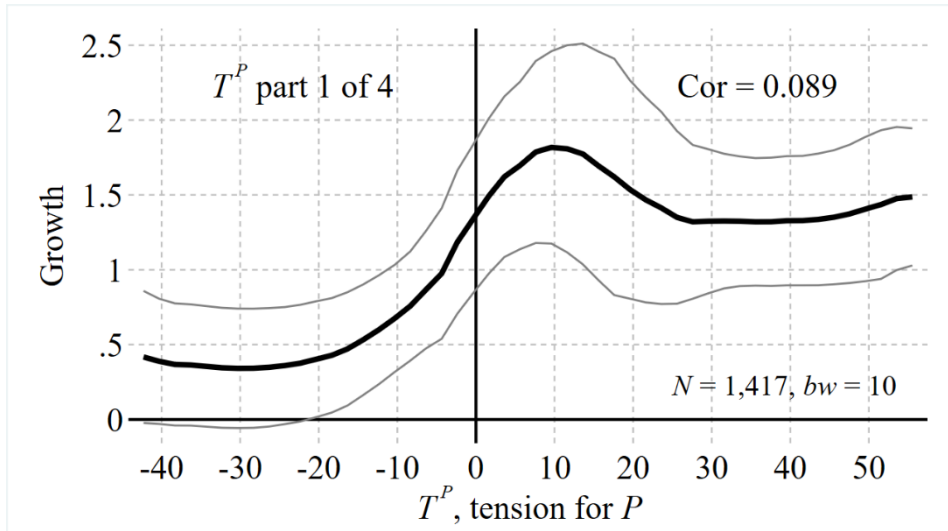
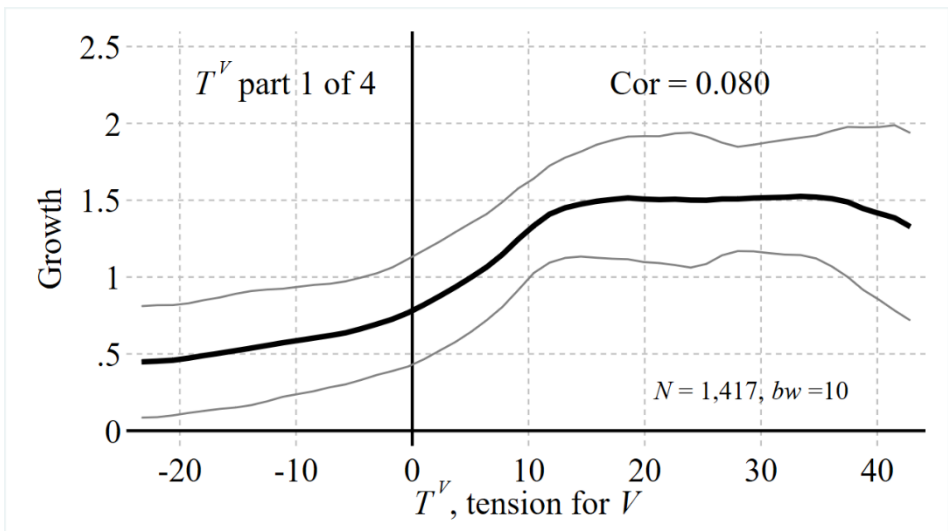


Figure A5c
For V



Histograms for part 1

Figure A6a

For T^F

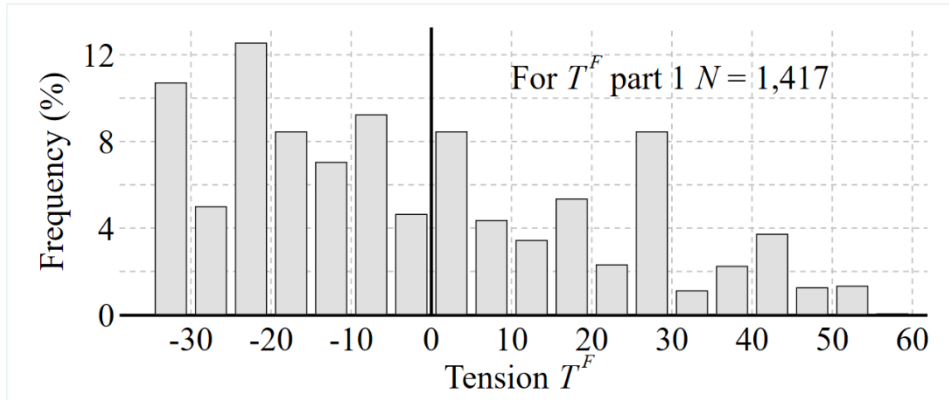


Figure A6b

For T^P

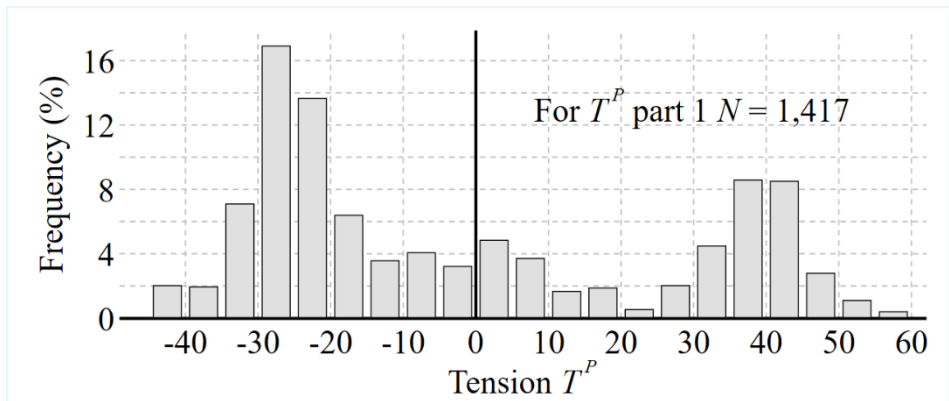
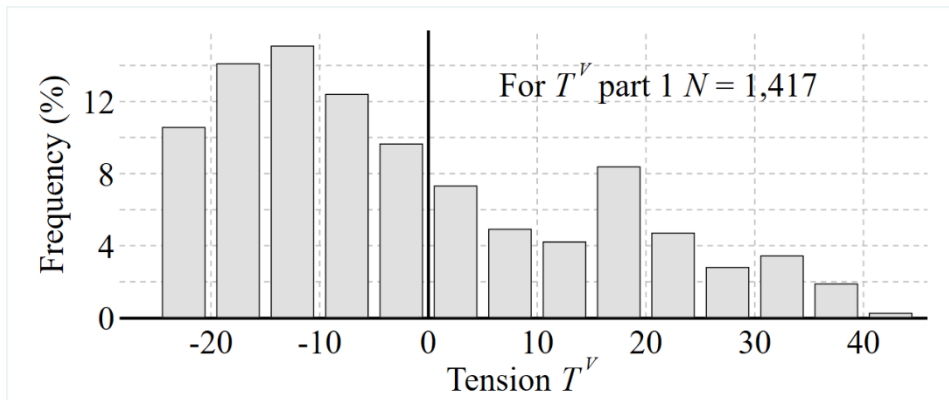


Figure A6c

For T^V



The distributions are upward skewed, with a tail for large positive values. T^P has a small second top around 40. This accounts for the strange top in the middle on Figure 5b.

4 Part 2: second quarter by y , $N = 1,417$

Figure A7a
For T^F

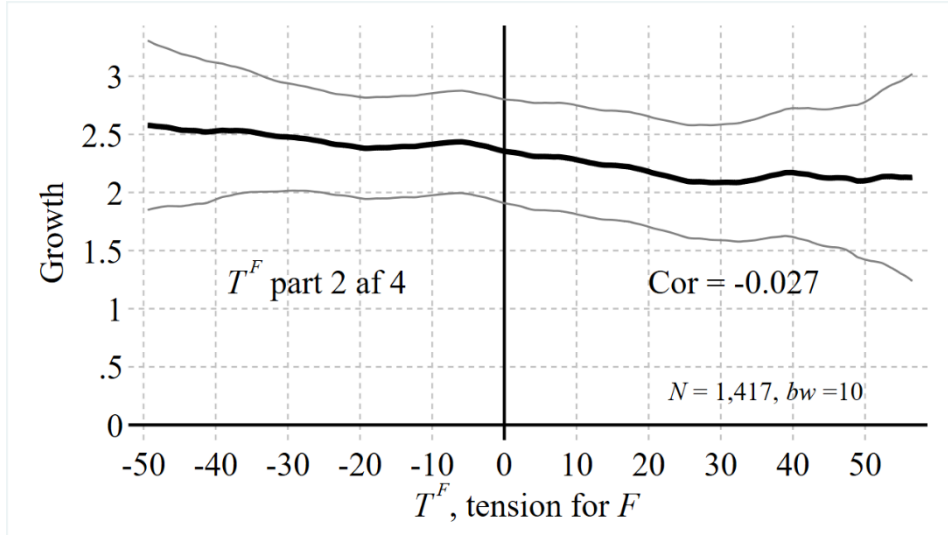


Figure A7b
For T^P

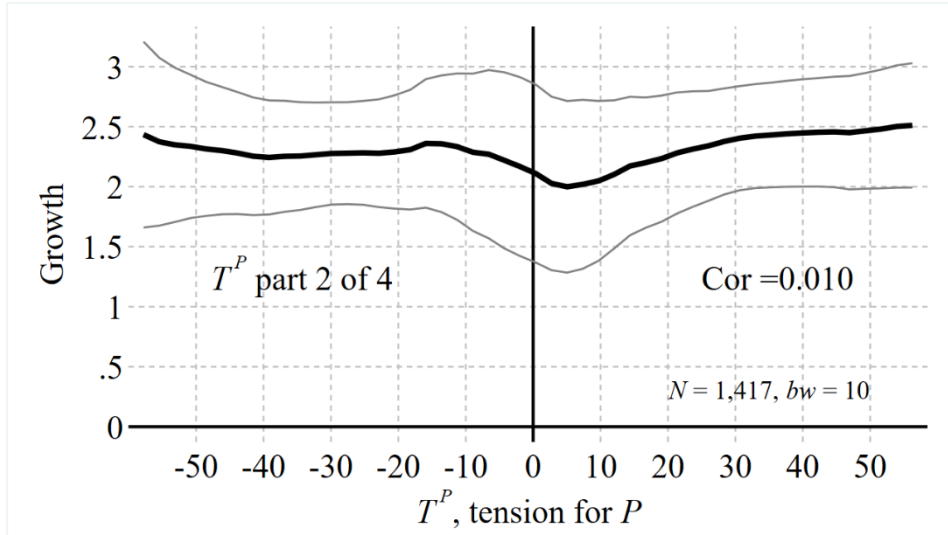
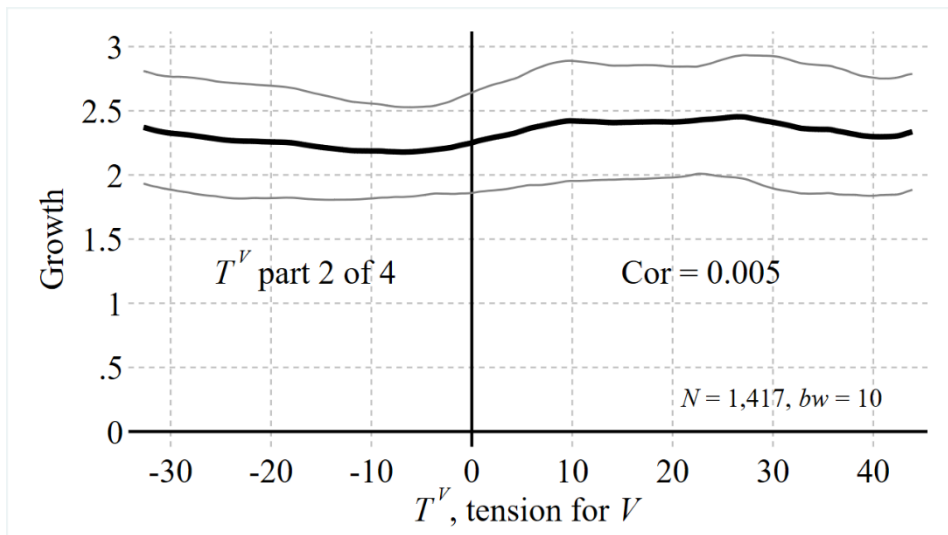


Figure A7c
For T^V



Histograms for part 2

Figure A8a

For T^F

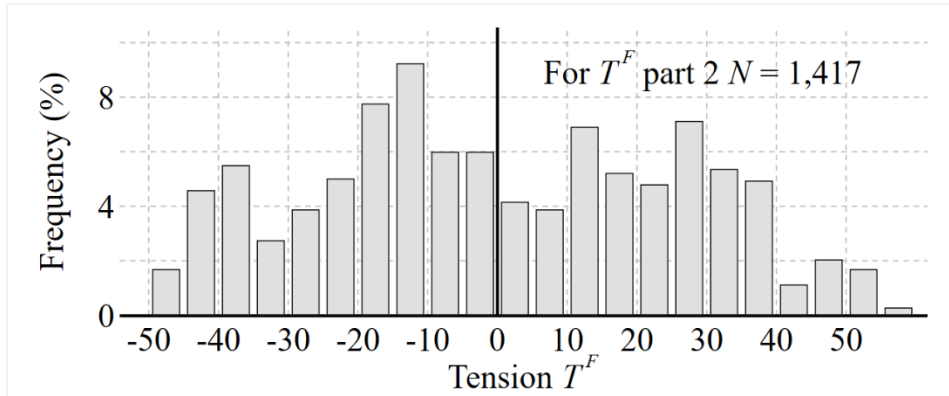


Figure A8b

For T^P

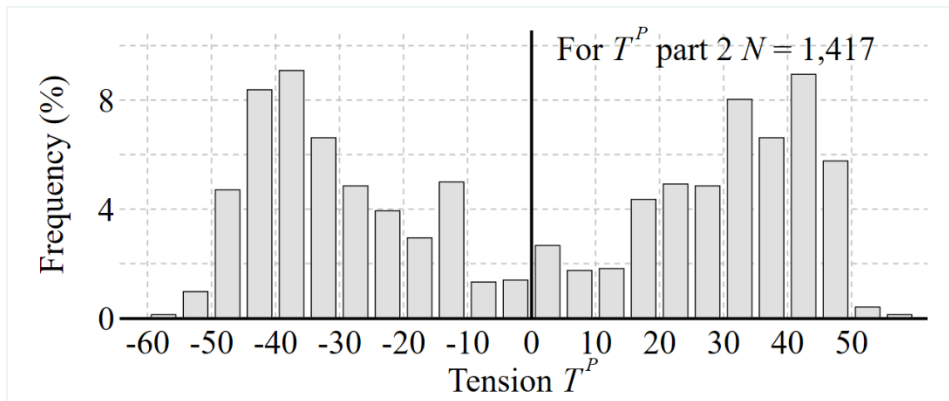
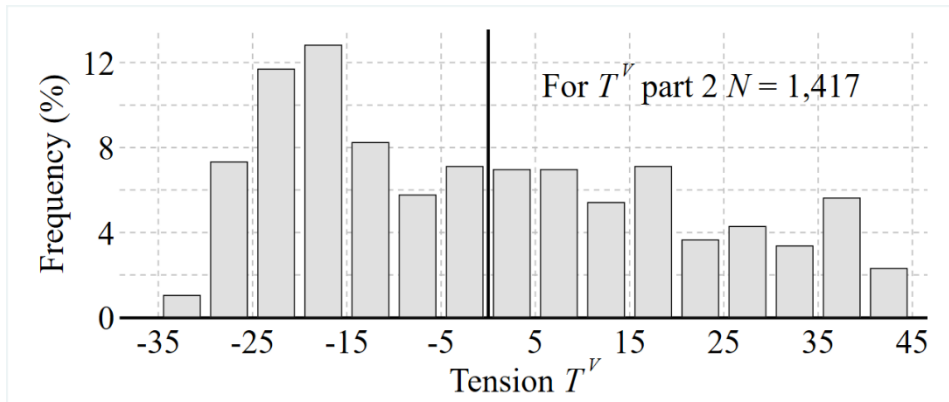


Figure A8c

For T^V



For all 3 versions of Figure 7 it is easy to draw a horizontal line within the confidence interval. Thus, it cannot be rejected that there is no connection between T^X and g . Note that Figure 8b is clearly two-humped. This may explain the shift in the confidence interval on Figure 7b.

5 Part 3: third quarter by y , $N = 1,417$

Figure A9a
For T^F

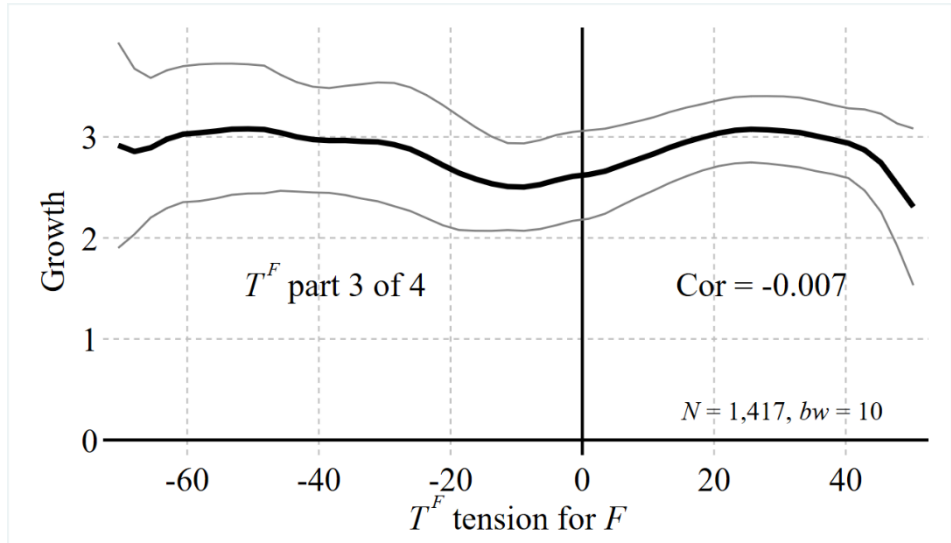


Figure A9b
For T^P

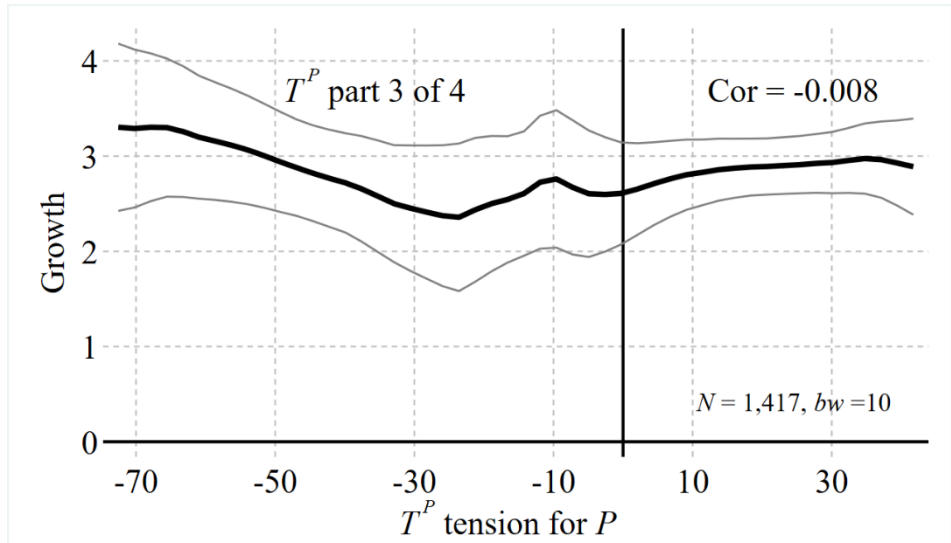
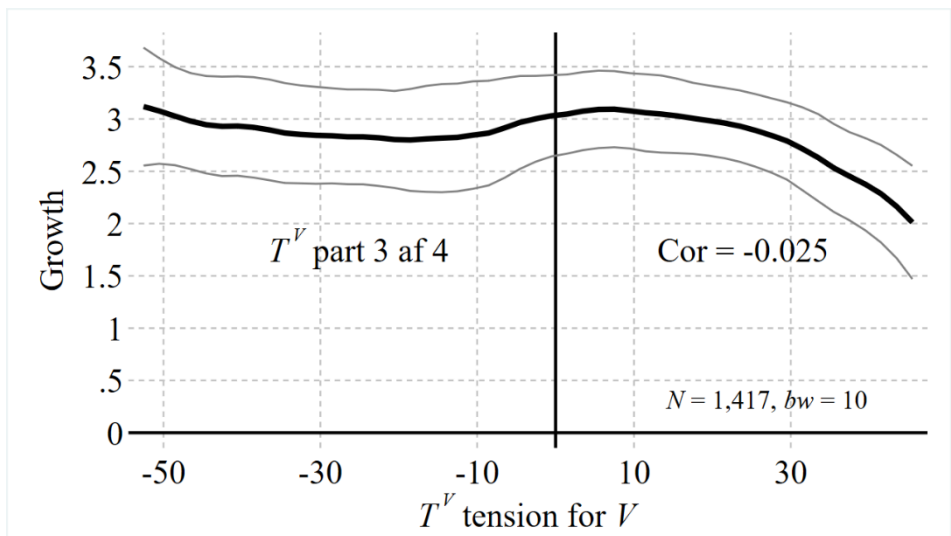


Figure A9c
For T^V



Histograms for part 3

Figure A10a

For T^F

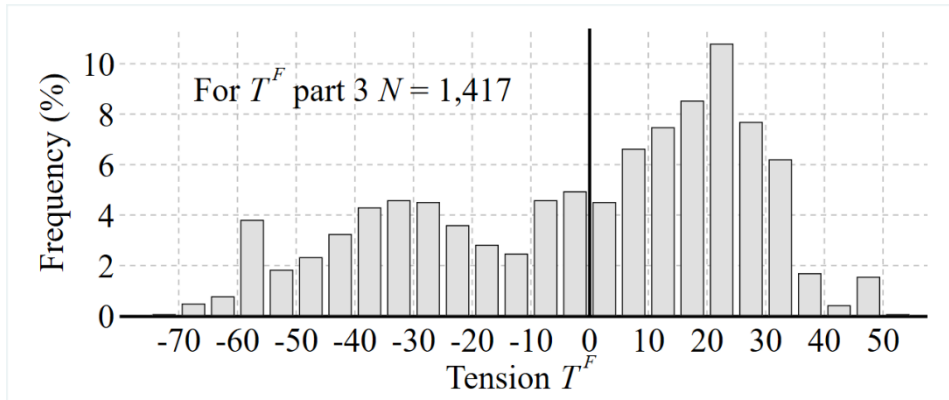


Figure A10b

For T^P

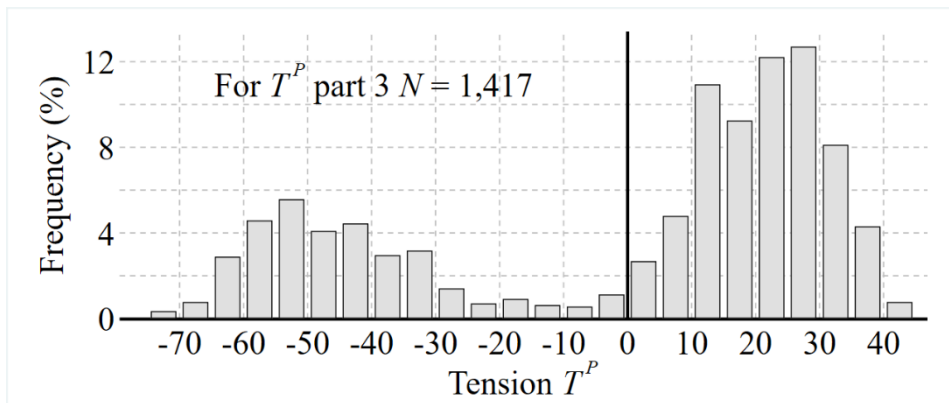
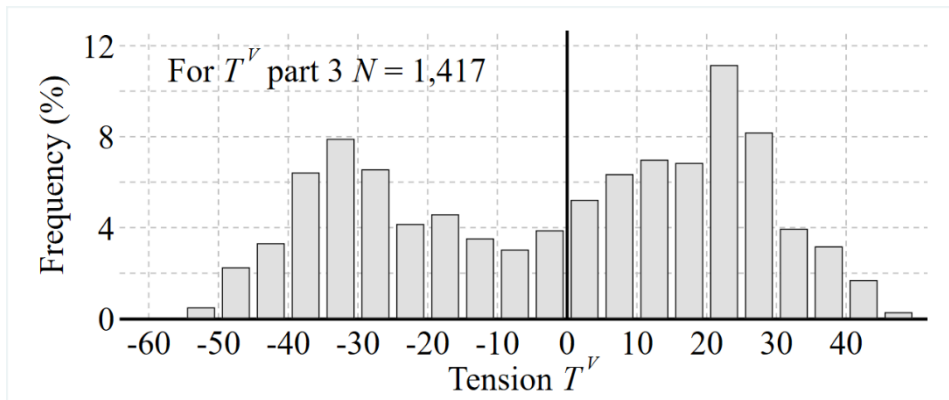


Figure A10c

For T^V



As for part 2 it is possible to draw a horizontal curve between the confidence intervals. It is easily done for Figures 9a and b, but only just possible for 9c. Thus, it cannot be rejected that there is no connection between T^X and g . Here all three histograms are two-topped, but it has no effect on the kernels.

6 Part 4: fourth quarter by y, N = 1,417

Figure A11a
For T^F

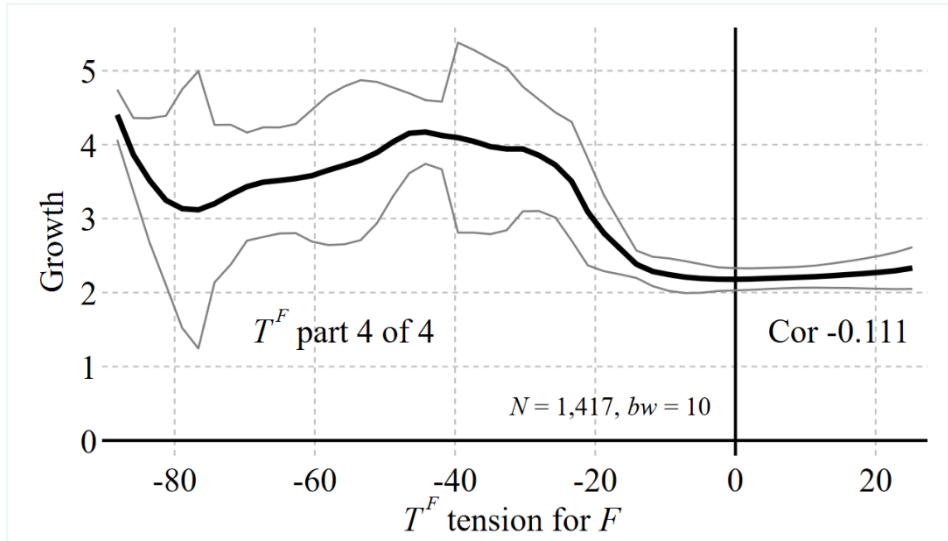


Figure A11b
For T^P

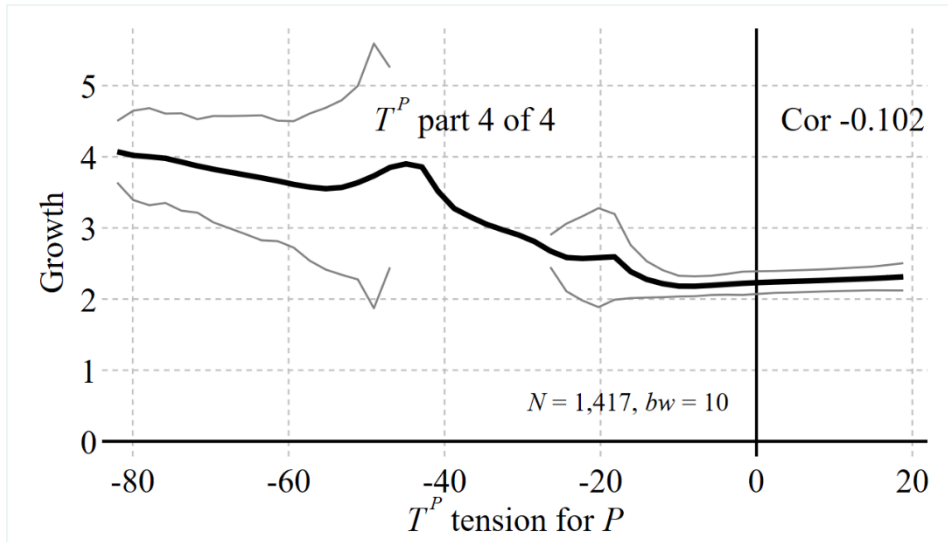
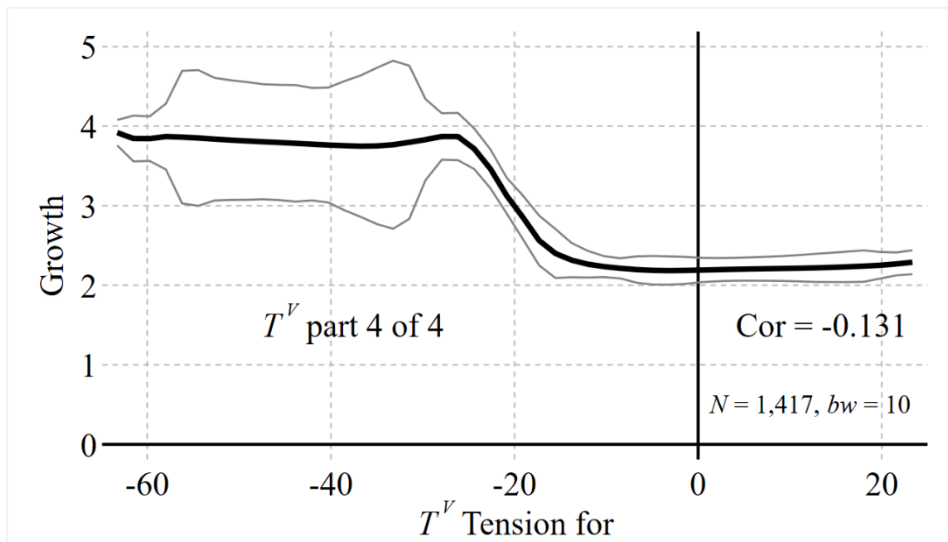


Figure A11c
For T^V



Histograms for part 4

Figure A12a
For T^F
[Figure 8a]

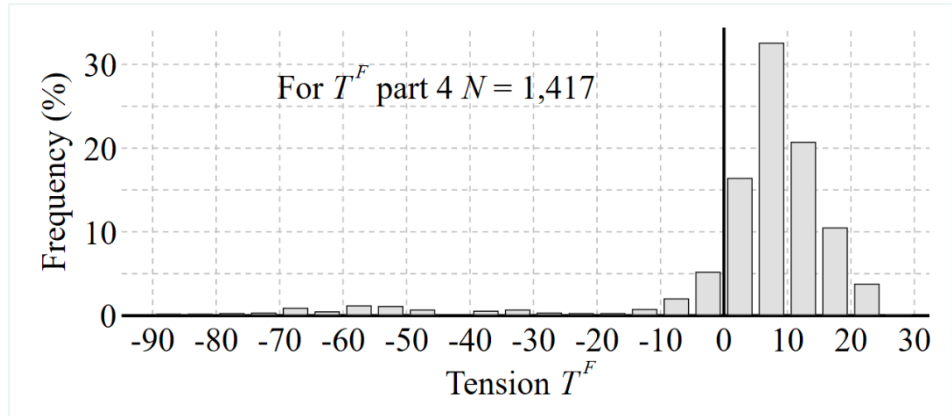


Figure A12b
For T^P
[Figure 8b]

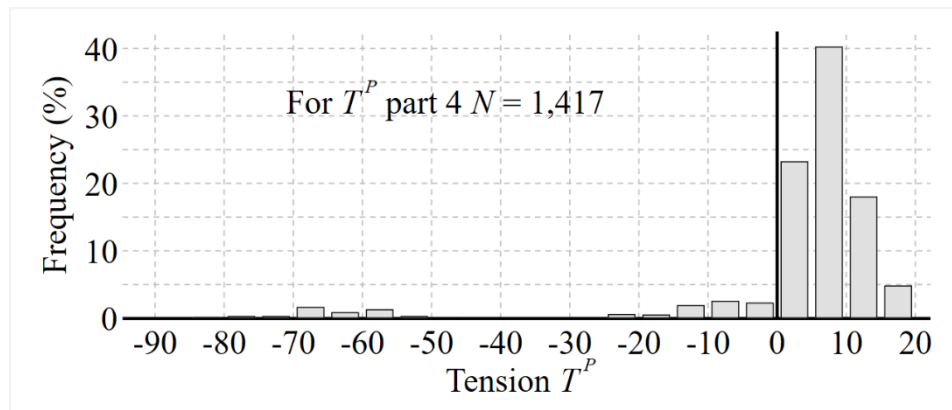
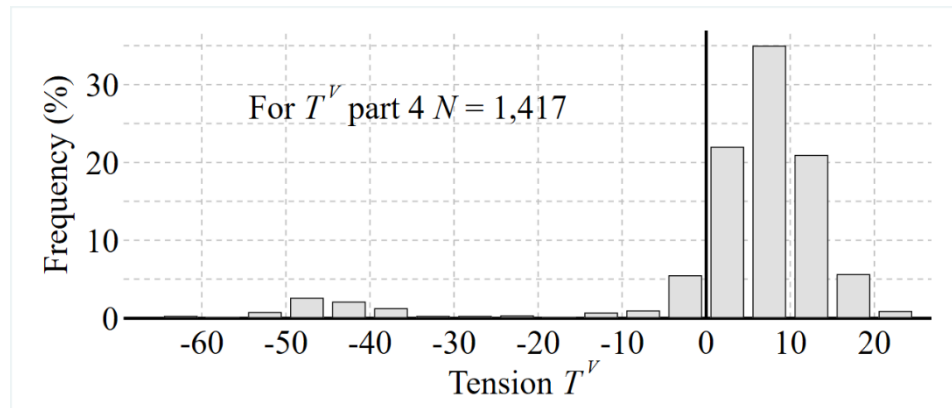


Figure A12c
For T^V
[Figure 8c]



The histograms for part 4 look remarkably different from the previous ones, as already seen from the scale of the vertical axis. Most observations are close together at small positive values, but they do a long tail of negative values.

For T^P there is even an interval from -50 to -25 without observations. This gives an interval with no confidence intervals for this interval on Figure 11b.