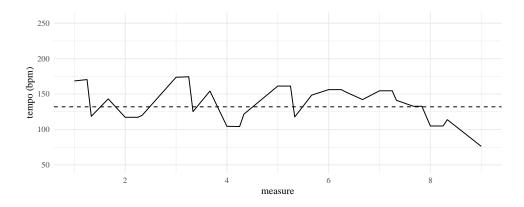
Mazurka paper figures $_{DJM}$ $_{2/22/2019}$

Suggested order

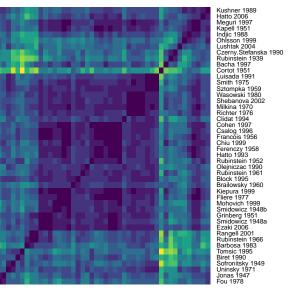
- 1. Parameter interpretation in Fliere
- 2. Using parameters to examine two different performances
- 3. Clustering performances (compare the clusters)
 - a. what can we say about the parameters of each cluster? what is different about them?
- 4. Similar performances (Rubinstein)
- 5. Model issues

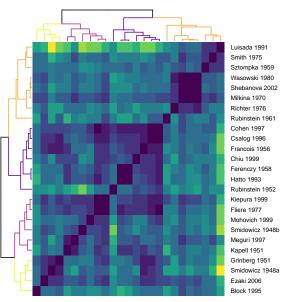
Short tempo

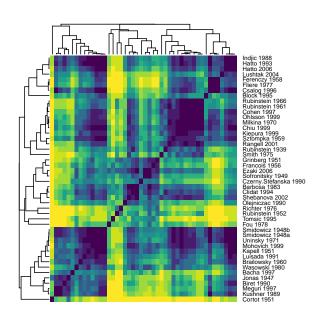


Comparing clusters

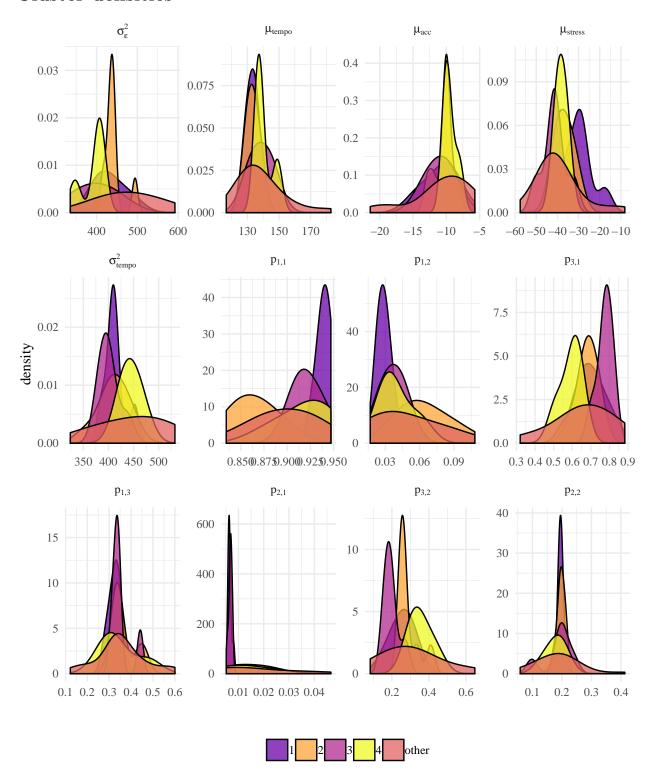
- ## [1] FALSE
- ## [1] TRUE
- ## [1] TRUE
- ## [1] TRUE
- ## [1] 8

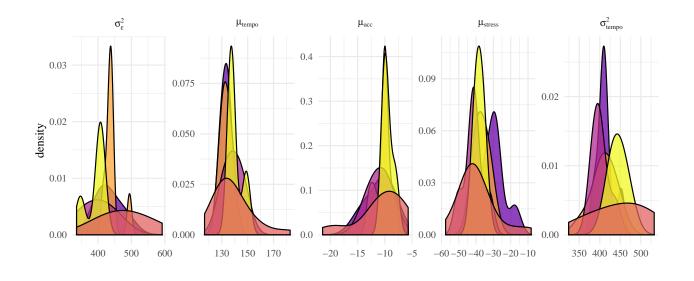


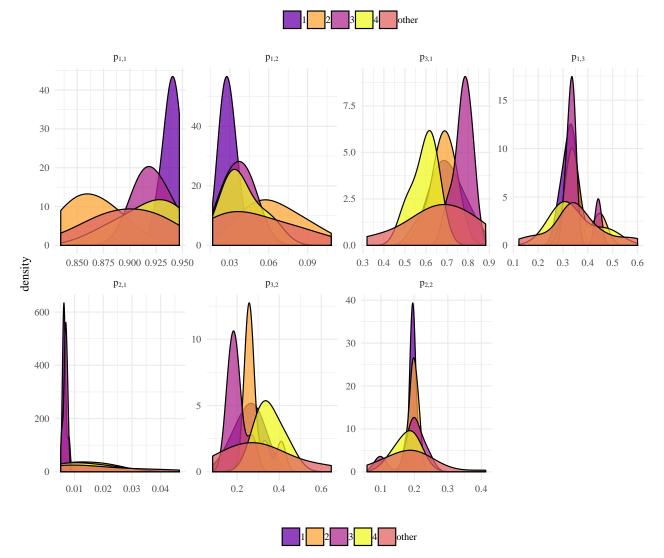




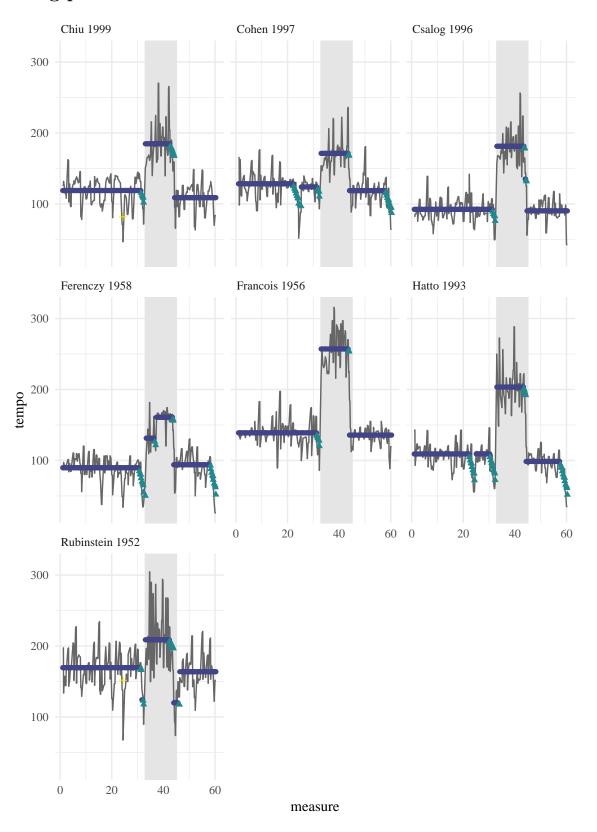
Cluster densities



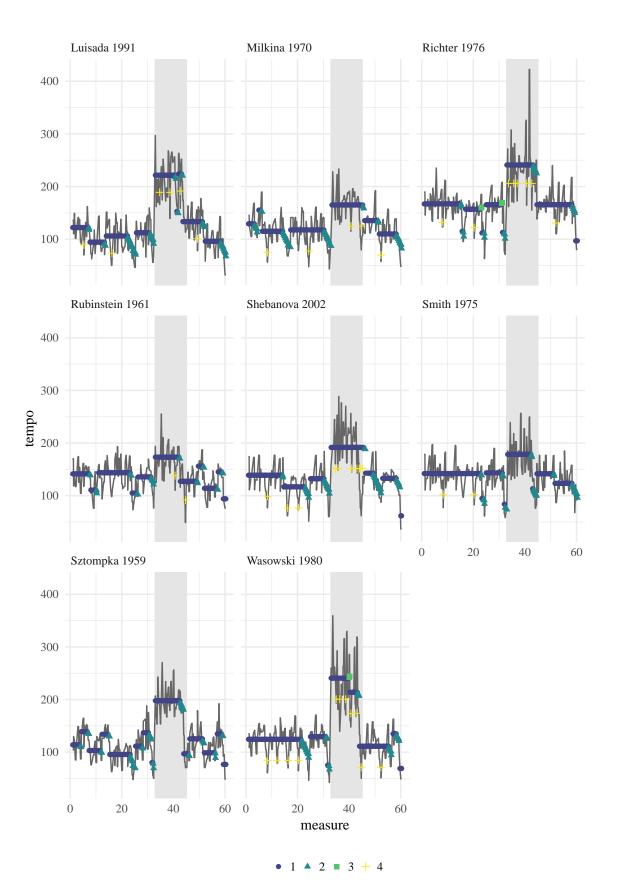


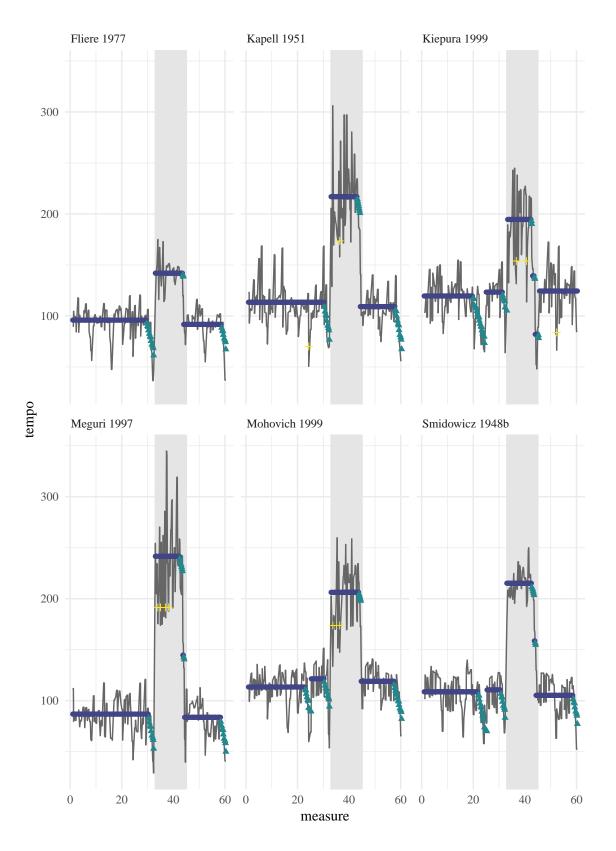


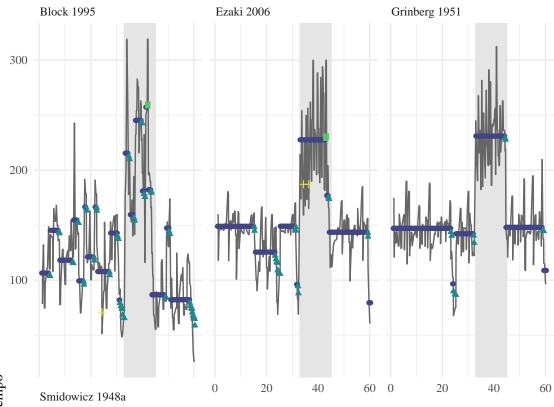
Plotting performances

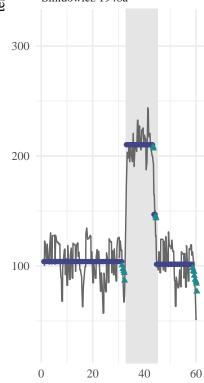


▲ 2 + 4



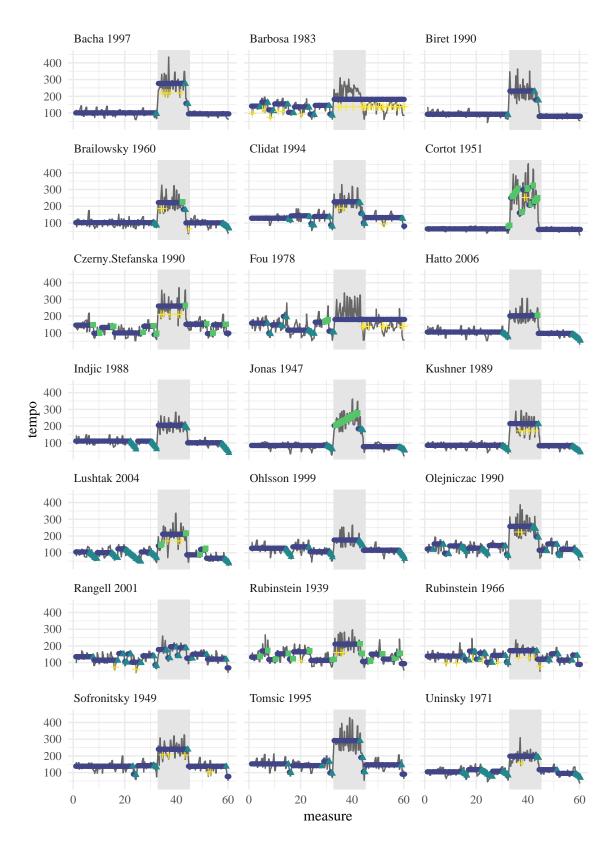




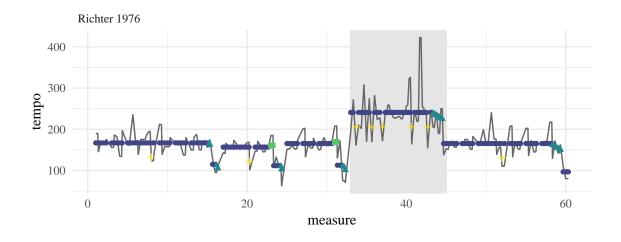


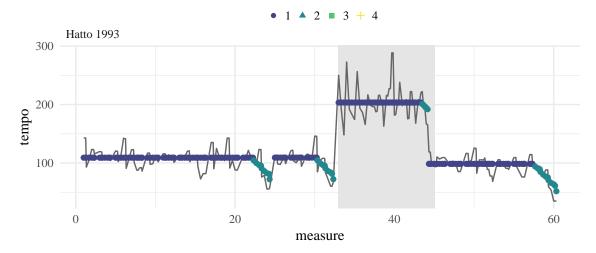
measure

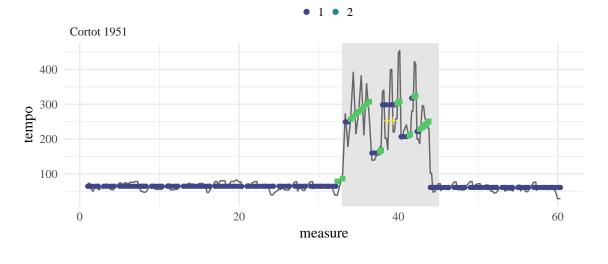
1 ▲ 2 ■ 3 + 4

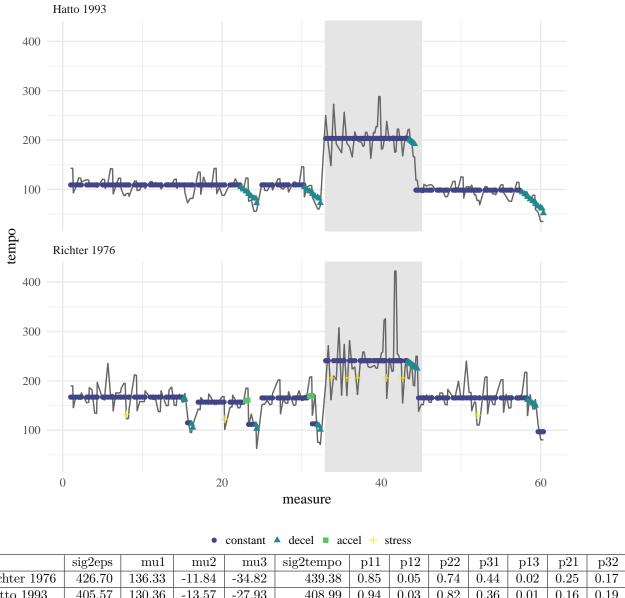


1 ▲ 2 ■ 3 + 4





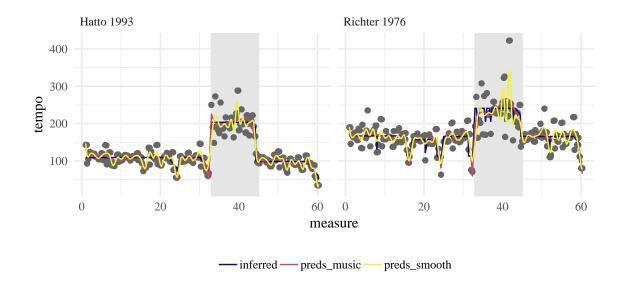




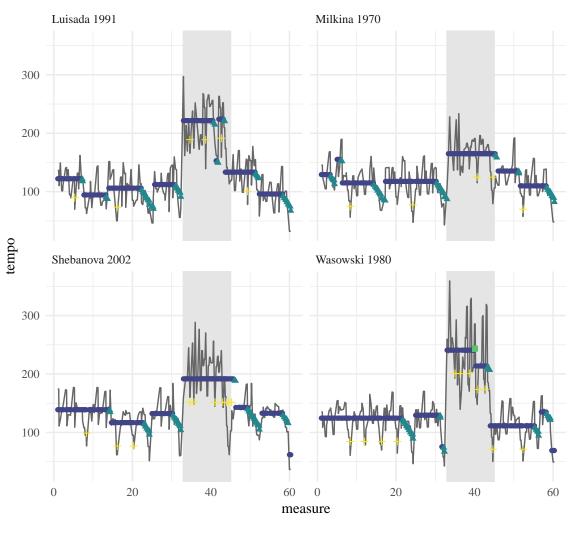
	sig2eps	mu1	mu2	mu3	sig2tempo	p11	p12	p22	p31	p13	p21	p32
Richter 1976	426.70	136.33	-11.84	-34.82	439.38	0.85	0.05	0.74	0.44	0.02	0.25	0.17
Hatto 1993	405.57	130.36	-13.57	-27.93	408.99	0.94	0.03	0.82	0.36	0.01	0.16	0.19
Cortot 1951	403.71	182.84	-21.43	-45.67	460.82	0.92	0.02	0.71	0.34	0.03	0.23	0.09

Different smoothing

Try splines, replicating knots, l1tf?

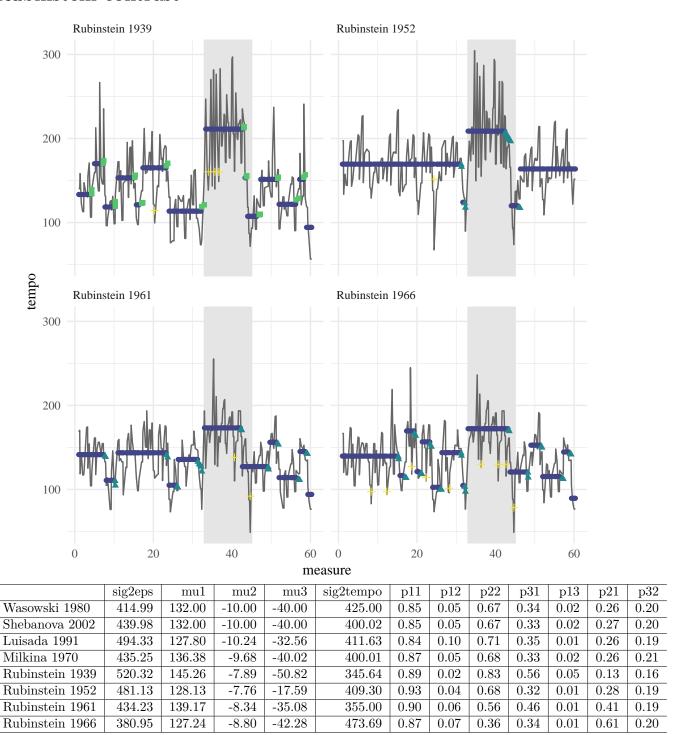


Similar performances

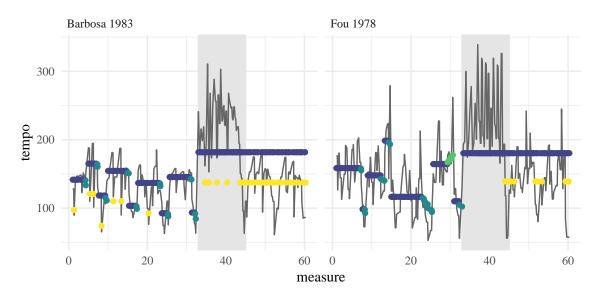


1 ▲ 2 ■ 3 + 4

Rubinstein contrast



Bad estimation



Problems with the model

- Problem with retransitioning to state 1
- states 2 and 3 aren't constrained to always decrease/increase, only in mean
- state 4 may not always emphasize a slow down
- previous 2 have to do with Gaussian assumptions
- necessity for strong priors
- but priors are on parameters, not on path (how would we want this to change?)