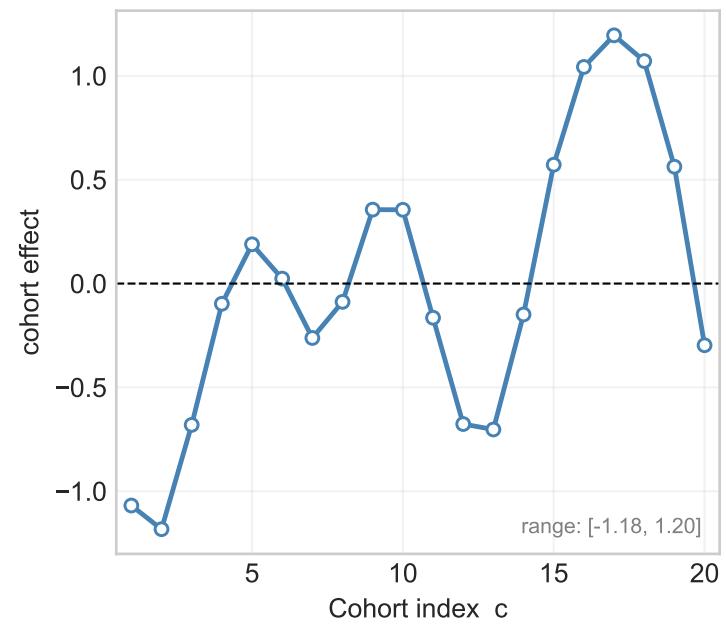
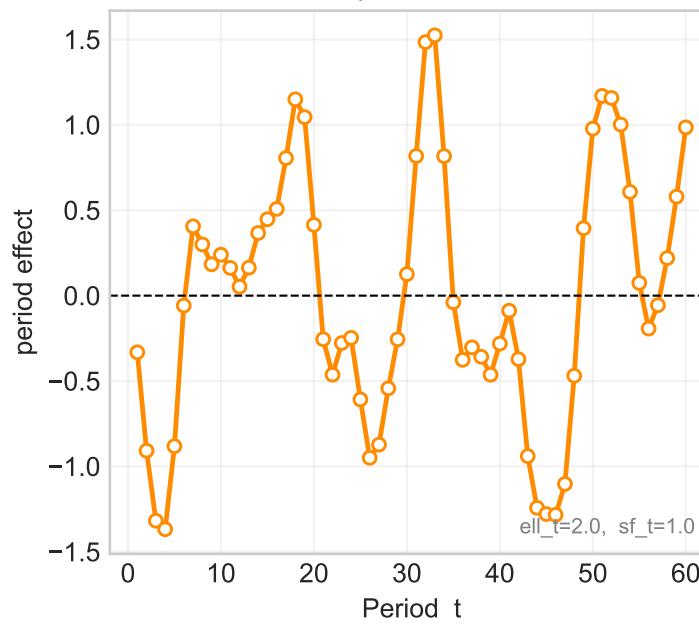


# Simulated DGP — Scenario B (PT-False), seed=2

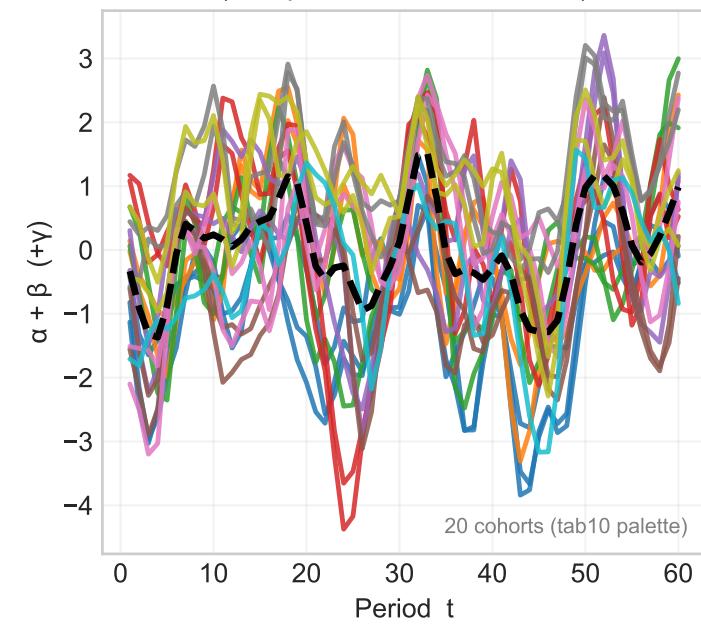
True cohort effects



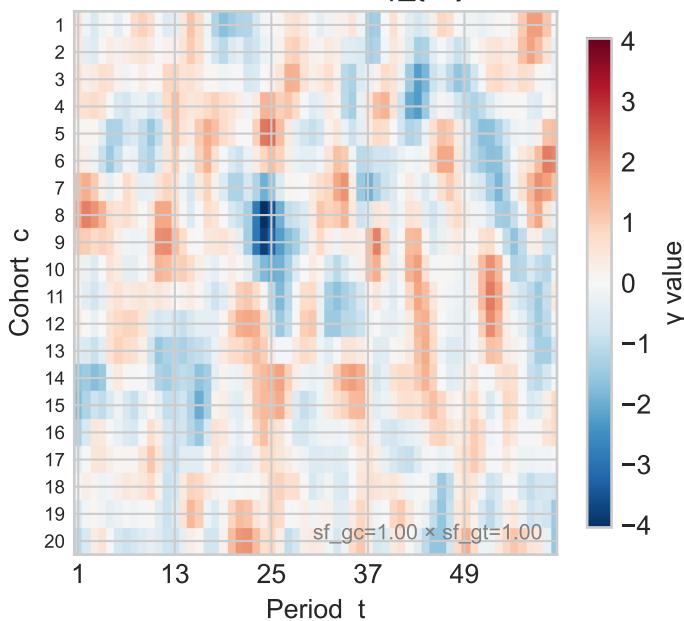
True period effects



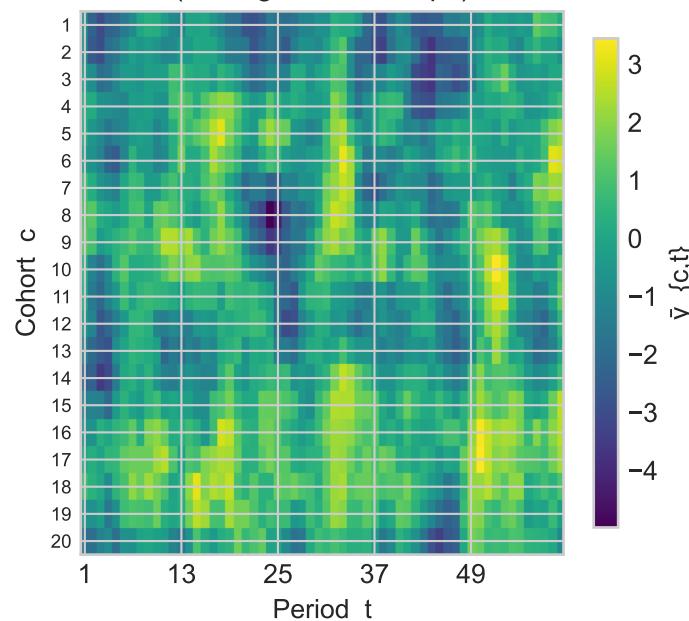
Per-cohort trends  $\alpha_c + \beta_t + \gamma_{\{c,t\}}$   
(non-parallel — PT violation)



True interaction  $\gamma_{\{c,t\}}$



Observed cell means  $\bar{y}_{\{c,t\}}$   
(averaged over 1 reps)



## DGP Summary

n_cohorts	= 20
n_periods	= 60
n_reps	= 1
N (total)	= 1200
<hr/>	
Cohort GP	
ell_c	= 2.00
sf_c	= 1.00
<hr/>	
Time GP	
ell_t	= 2.00
sf_t	= 1.00
<hr/>	
Interaction GP	
ell_gc	= 1.50
sf_gc	= 1.00
ell_gt	= 1.50
sf_gt	= 1.00
<hr/>	
Noise	
sn	= 0.30
<hr/>	
Seed	= 2