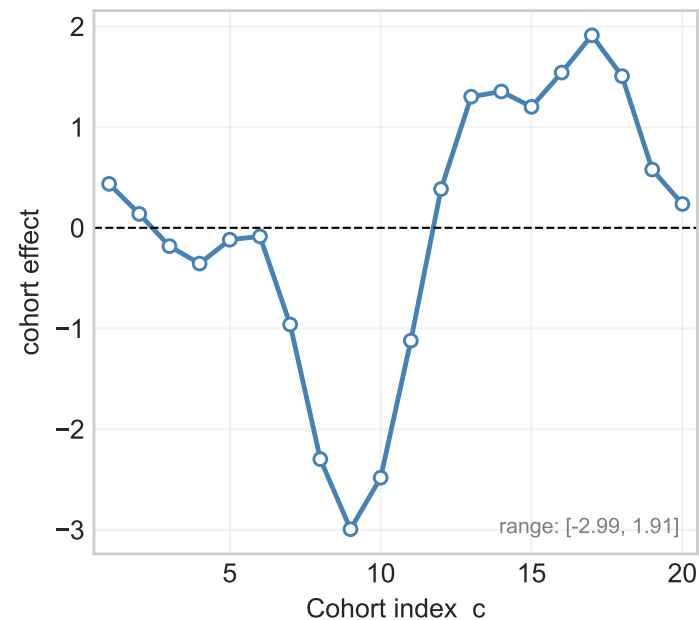
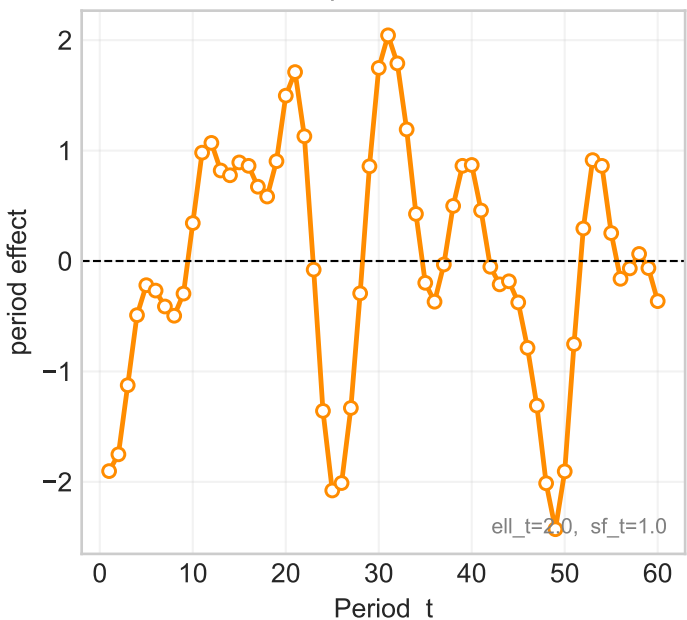


Simulated DGP — Scenario B (PT-False), seed=1

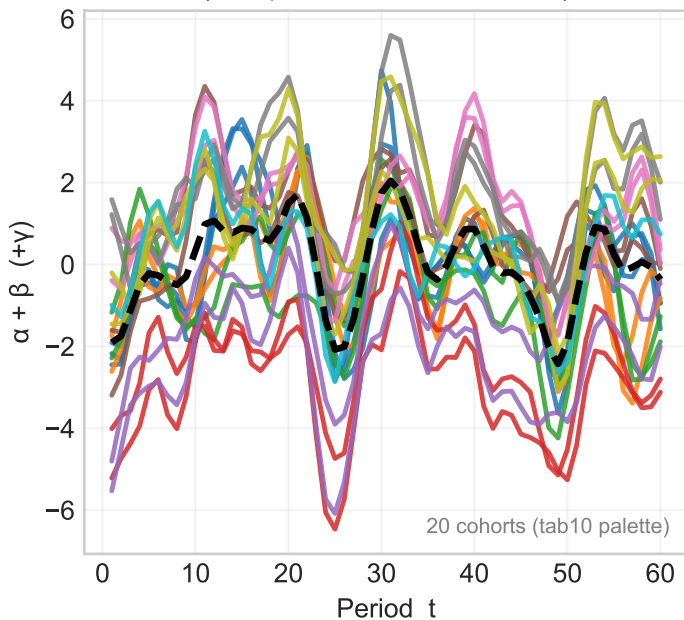
True cohort effects



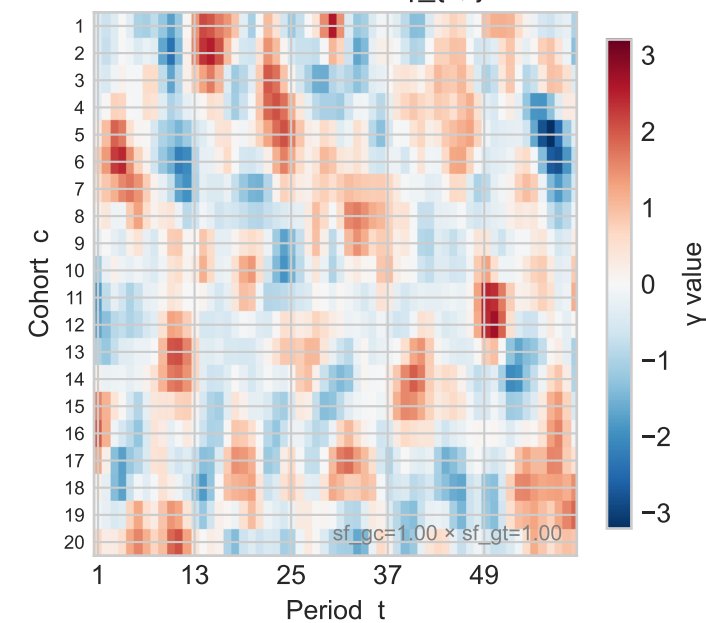
True period effects



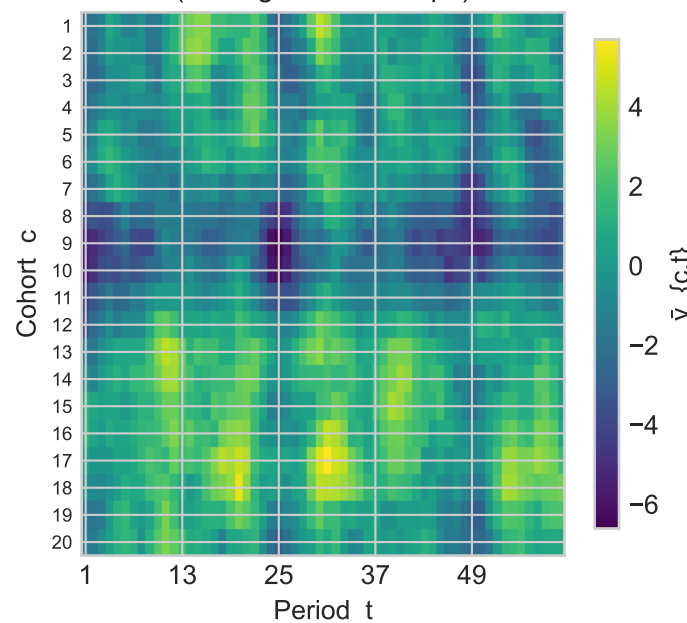
Per-cohort trends $\alpha_c + \beta_t + \gamma_{c,t}$
(non-parallel — PT violation)



True interaction $\gamma_{c,t}$



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



DGP Summary

$n_{\text{cohorts}} = 20$
 $n_{\text{periods}} = 60$
 $n_{\text{reps}} = 1$
 $N_{\text{(total)}} = 1200$

Cohort GP
 $\text{ell_c} = 2.00$
 $\text{sf_c} = 1.00$

Time GP
 $\text{ell_t} = 2.00$
 $\text{sf_t} = 1.00$

Interaction GP
 $\text{ell_gc} = 1.50$
 $\text{sf_gc} = 1.00$
 $\text{ell_gt} = 1.50$
 $\text{sf_gt} = 1.00$

Noise
 $\text{sn} = 0.30$

Seed = 1