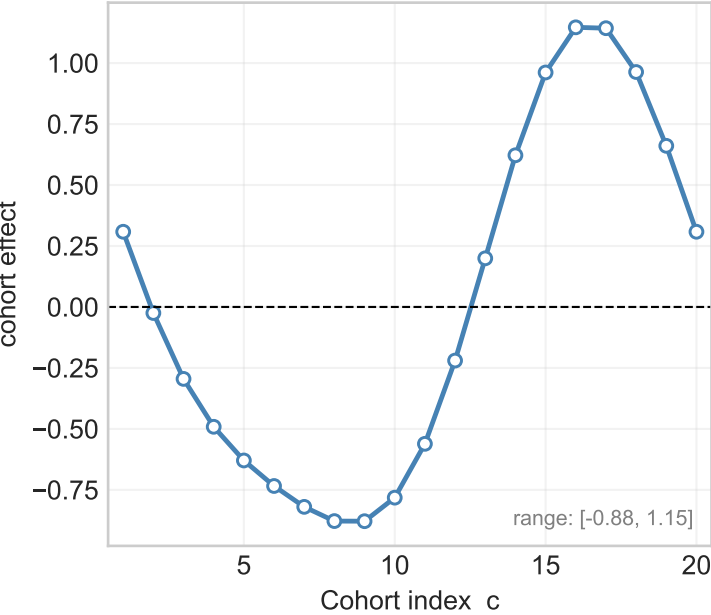
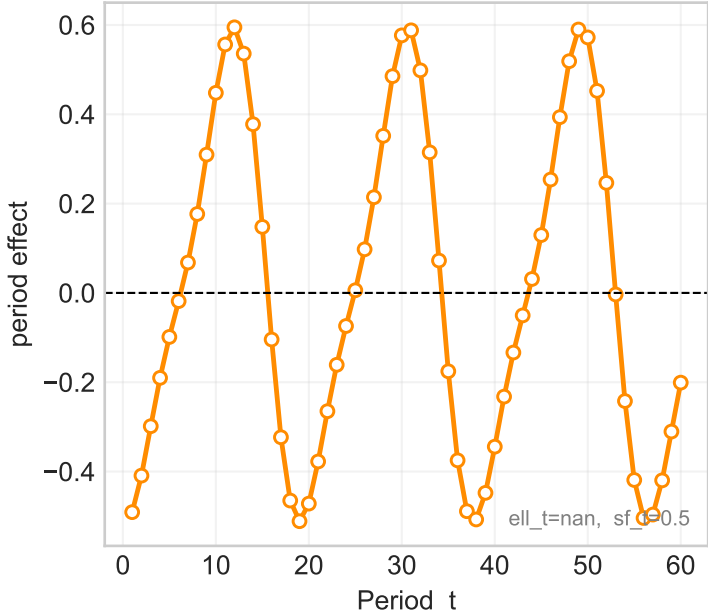


Simulated DGP — Scenario B (PT-False), seed=1

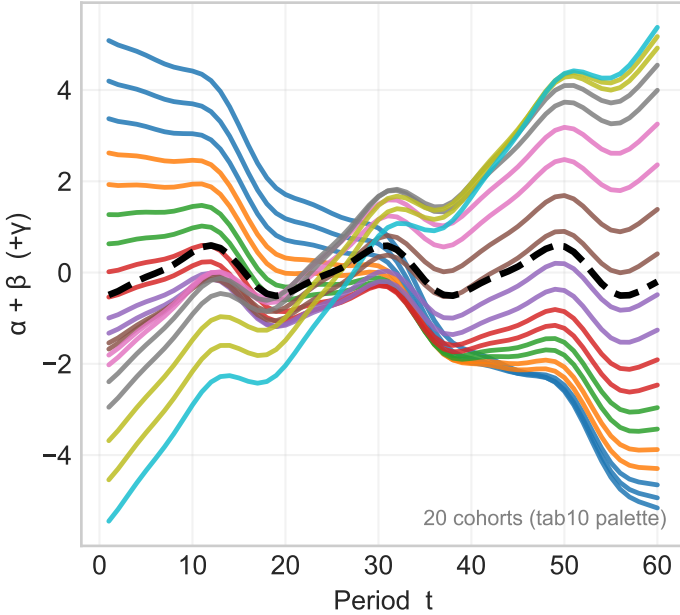
True cohort effects



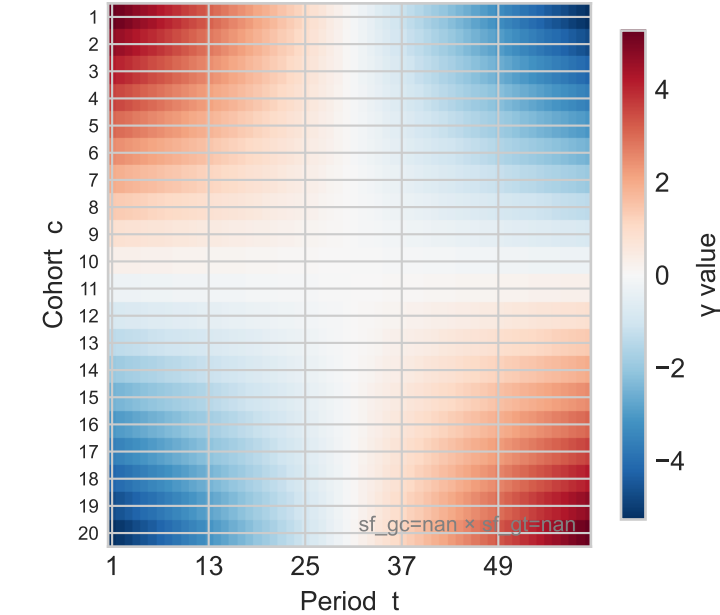
True period effects



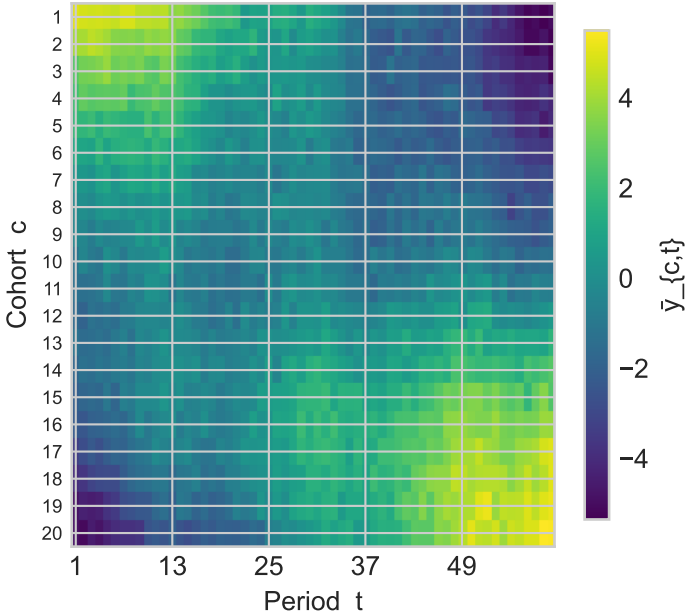
Per-cohort trends  $\alpha_c + \beta_t + \gamma_{c,t}$   
(non-parallel — PT violation)



True interaction  $\gamma_{c,t}$



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



DGP Summary

n\_cohorts = 20  
n\_periods = 60  
n\_reps = 1  
N (total) = 1200

Cohort GP

ell\_c = nan  
sf\_c = 1.00

Time GP

ell\_t = nan  
sf\_t = 0.50

Interaction GP

ell\_gc = nan  
sf\_gc = nan  
ell\_gt = nan  
sf\_gt = nan

Noise  
sn = 0.30

Seed = 1