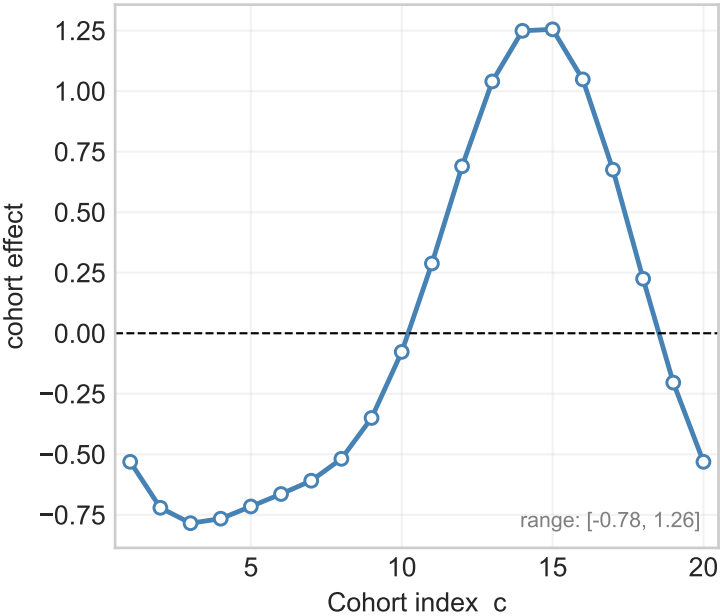
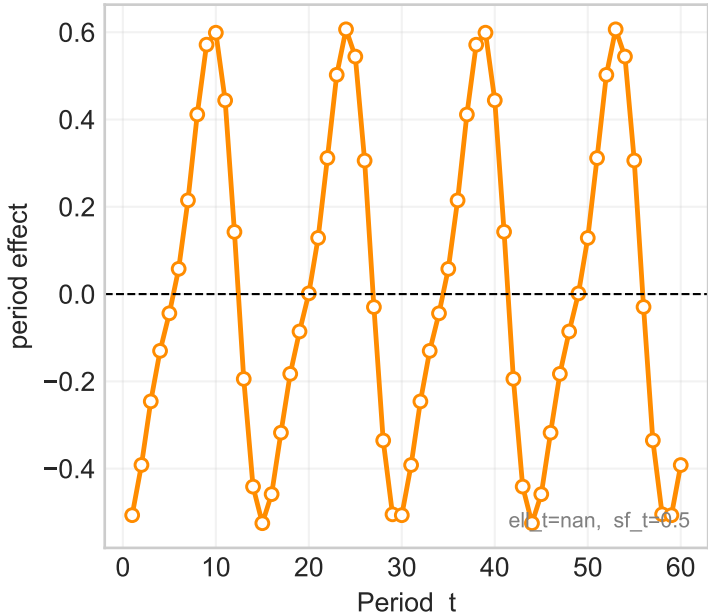


Simulated DGP — Scenario B (PT-False), seed=3

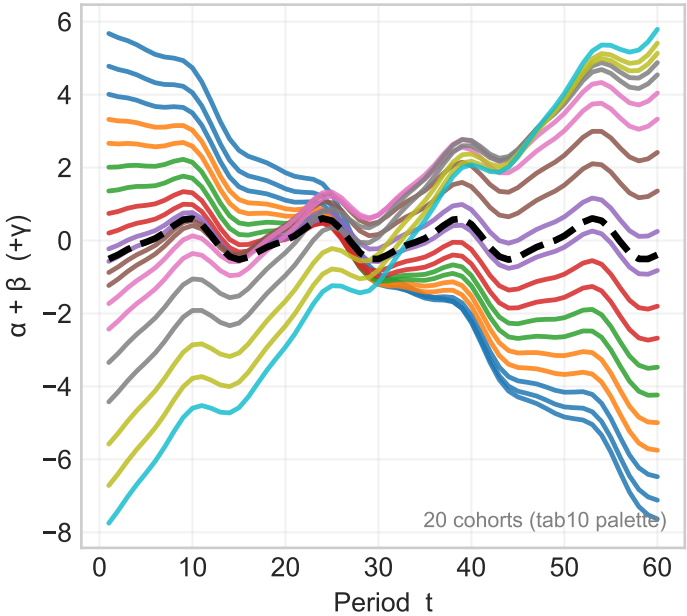
True cohort effects



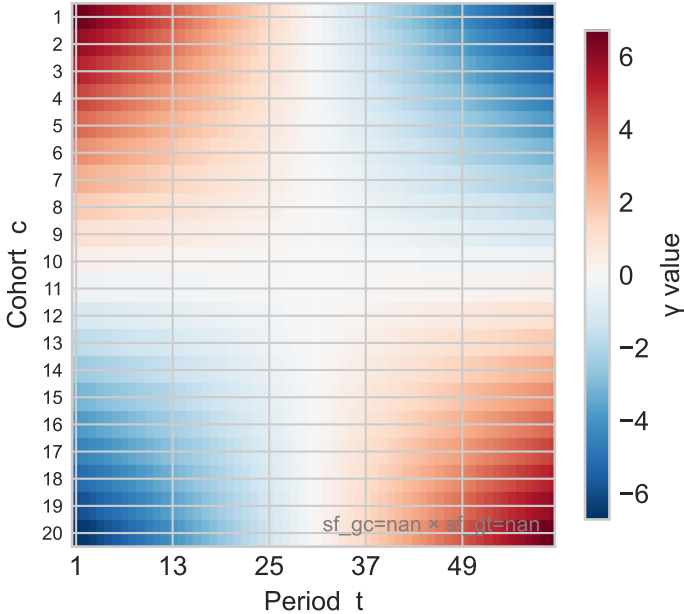
True period effects



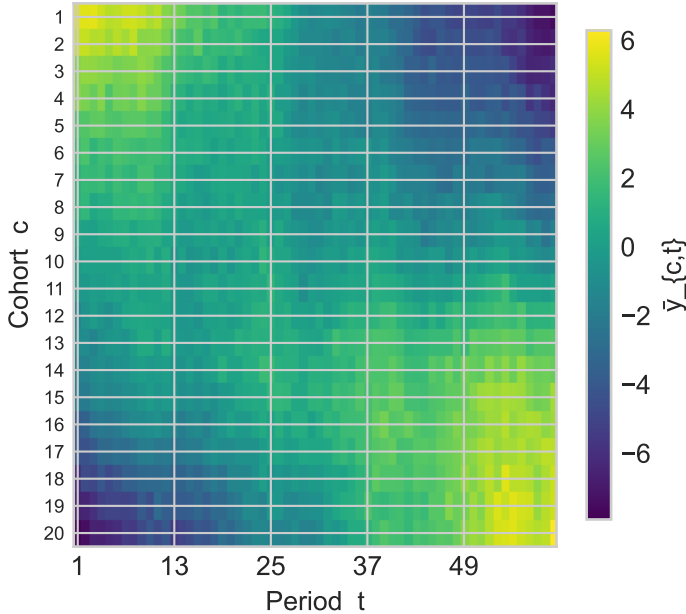
Per-cohort trends $\alpha_c + \beta_t + \gamma_{c,t}$
(non-parallel — PT violation)



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 = 3