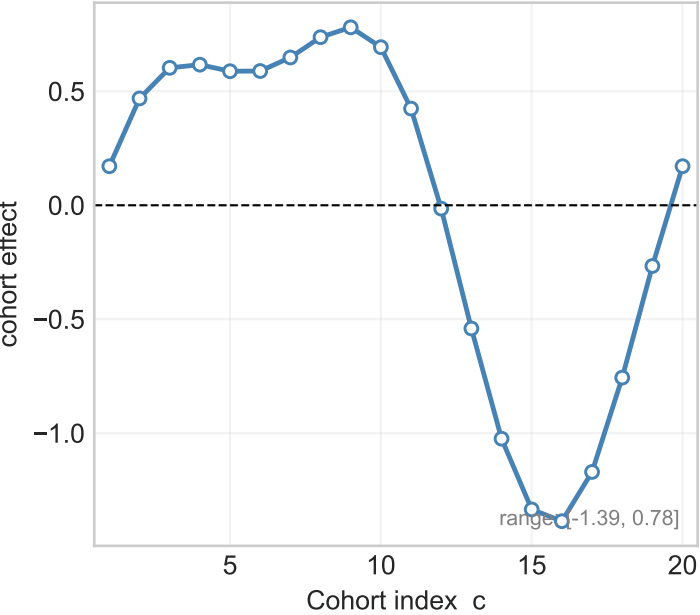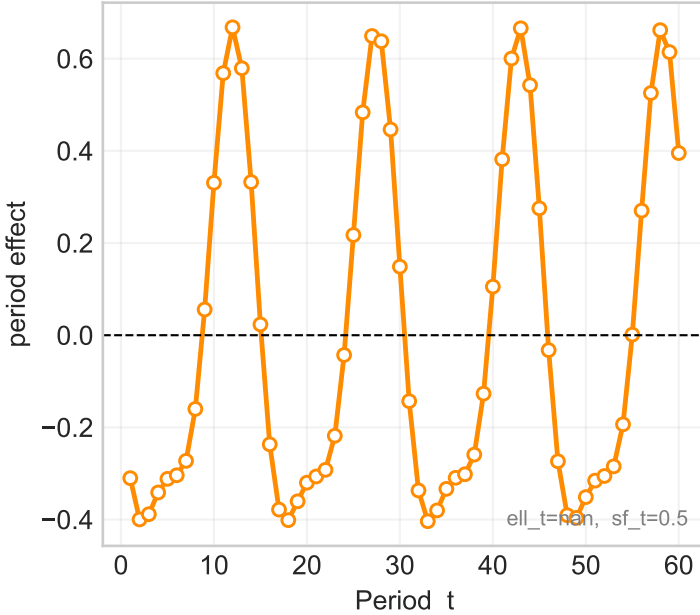Simulated DGP — Scenario B (PT-False), seed=4
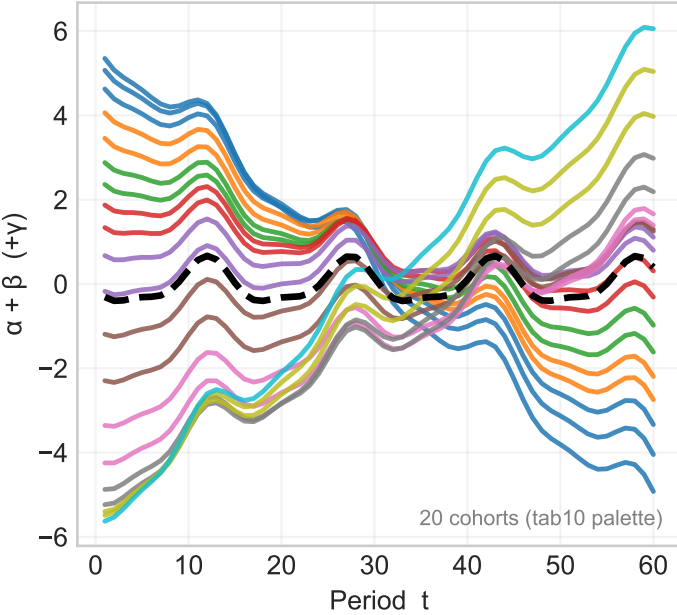
True cohort effects
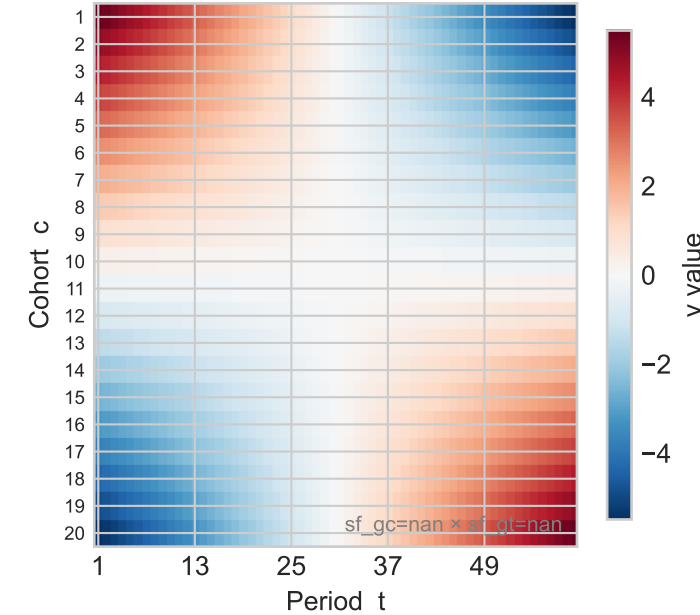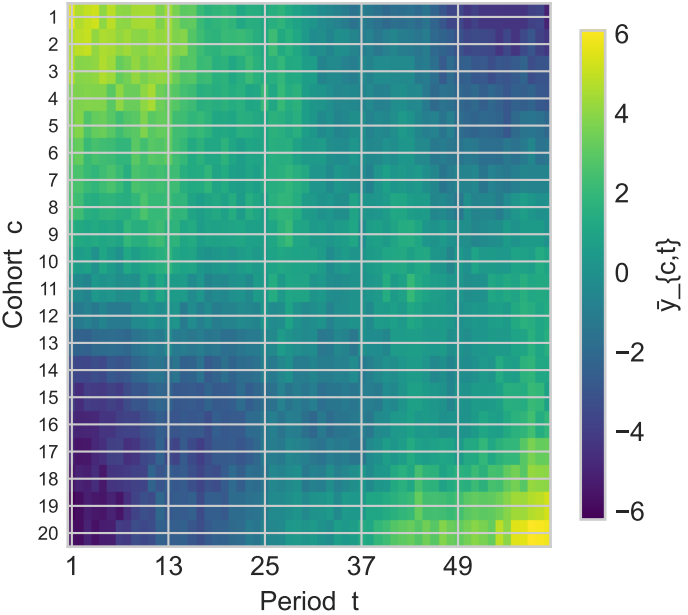
True period effects

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
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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 = 4
```