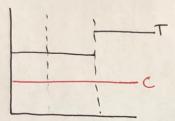
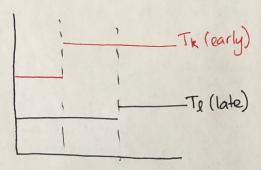
1 constant T effects



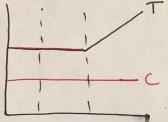
ATTK(+) = ATTK ++

Staggered T OD

Oconstant T effects



2) dynamic T effects



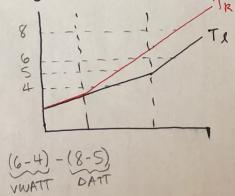
ATT K(+) As over + and estimate is any of ATTR over t

if 11 trends VWCT=0

\* and DATT = O

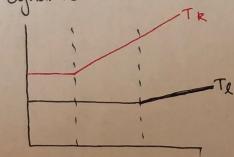
SO BTWFE = VWATT variance-weighted aug of ATTKS (constant over t)

2) dynamic T effects identical across units (Meer and West 2013)



even if VWCT=0 ATT 70 this bias only present accor in a single-coefficient specification, not in event study, but see Borusadak and Jaravel (2017) for other issues with event study if no never-treated

(3) dynamic T effects differ across units



again ATT = 0 always and since Teffects don't evolve the same way across units, so even if "line up" event time, the DS over time diff for k as for l and will bias results

if bias bad enough switch to other method like stacked DD (Destipance and Li (2017)) or Callaway and Sant'Anna (2021)