

Pooling Cross Sections across Time

- 1 Pooling Independent Cross Sections across Time
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Pooling Independent Cross Sections across Time

random samples from a popul. at
diff. pts. of time ..

- Data
- Model

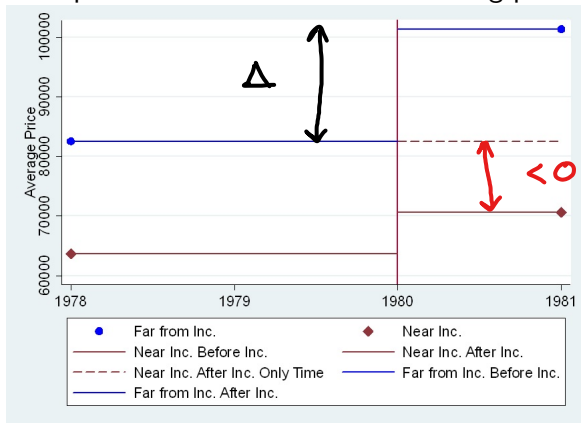
$d_2 \dots d_T$: dummy vars.
for pts. 2 through

$$y = \beta_0 + \delta_0 d_2 + \delta_1 d_3 + \dots + \delta_{T-2} d_T + \beta_1 x_1 + \dots + \beta_k x_k + u^T$$

convert nominal values (e.g.
wages, prices, etc.) to
real values

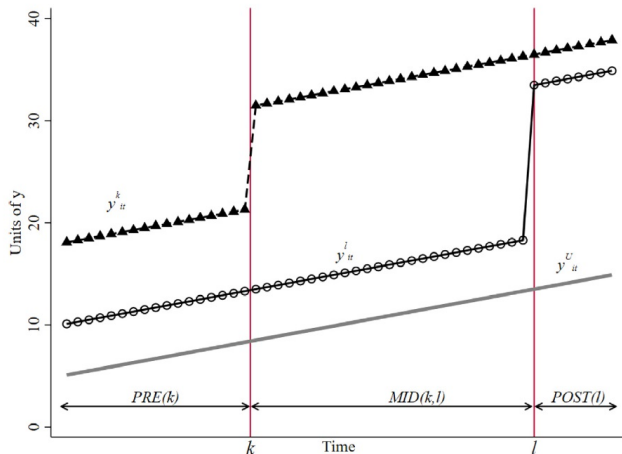
Policy Analysis with Pooled Cross Sections

- Difference-in-differences (DID)
 - ▶ <https://youtu.be/eiff0VbYvNc>
- Example: effect of incinerator on housing prices



Policy Analysis with Pooled Cross Sections (cont.)

- More complicated with staggered policies



Goodman-Bacon (2021)