$\mathcal{D}^1$: **Small but unconfounded**
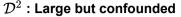
$\mathcal{D}^2$: **Large but confounded**

$n \ll N$

Assumptions:
(Consistency) $A = a \Rightarrow Y = Y^a$
(Overlap) $\pi_1(x) > 0$
(Unconfoundness) $Y(0), Y(1) \perp A \mid X$

Assumptions:
(Consistency) $A = a \Rightarrow Y = Y^a$
(Overlap) $\pi_2(x) > 0$

CI for ATE in $\mathcal{D}^1$