Population of Students

Decision Makers

Publish θ_S

Deploy δ_{θ_S}

STAT

$\theta_S \leftarrow \arg\max_{\theta} \mathbb{E}[Y_S \mid Z_S = 1; \theta]$

$Y_S = \mathbf{X}^\top \theta_S^* + O_S$

Publish θ_C

Deploy δ_{θ_C}

CySec

$\theta_C \leftarrow \arg\max_{\theta} \mathbb{E}[Y_C \mid Z_C = 1; \theta]$

$Y_C = \mathbf{X}^\top \theta_C^* + O_C$

$\mathbf{X}$

$\tilde{\mathbf{X}}$