

Statistic vs. Parameter

Sample			Population
\bar{Y}	←	mean	→ $\mathbb{E}[Y]$
$\hat{\sigma}$	←	std. dev.	→ σ
$\frac{n_1}{n_0+n_1}$	←	proportion	→ p
n	←	size	→ N
$r_{xy} = \frac{S_{xy}}{S_x S_y}$	←	correlation	→ ρ
$\hat{\tau}$	←	ATE	→ $\mathbb{E}[Y(1) - Y(0)]$