

Randomized
Researcher *Intervention*
or Natural *Exposure*

$$|r|_{I/E \rightarrow D} = 1$$

$(\Rightarrow I/E = D)$

Randomized
Controlled
Trial (RCT)

Bivariate
OLS

Average Causal
Effect of D

$$|r|_{I/E \rightarrow D} < 1$$

$(\Rightarrow I/E \neq D)$

Intention to
Treat Design

Bivariate
OLS

Causal Intention
to Treat Effect (ITT)
of I/E

Instrument
Variable (IV)

Local Average
Treatment Effect of D
among Compliers (LATE)