

Randomized
Intervention of, or *Exposure* to
D

Researchers
randomized *I*

"Nature"
randomized *E*

$$|r|_{D \leftarrow I} = 1$$

$$|r|_{D \leftarrow I} < 1$$

$$|r|_{D \leftarrow E} = 1$$

$$|r|_{D \leftarrow E} < 1$$

Randomized
Controlled
Trial (RCT)

Intention to
Treat Design (ITT)

Natural
Experiment

Natural
Experiment

Bivariate
OLS

Instrument
Variable (IV)

Bivariate
OLS

Instrument
Variable (IV)