

Randomized  
Intervention of, or *Exposure* to  
*D*

Researcher  
randomized *I*

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

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

Randomized  
Controlled  
Trial (RCT)

Intention to  
Treat Design (ITT)

Bivariate  
OLS

Instrument  
Variable (IV)

"Nature"  
randomized *E*

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

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

Natural  
Experiment

Natural  
Experiment

Bivariate  
OLS

Instrument  
Variable (IV)