

STEP 1:
DESCRIBE
EXPERIMENT

STEP 2:
SPECIFY
STATISTICAL MODEL

STEP 3:
DEFINE STATISTICAL
QUERY

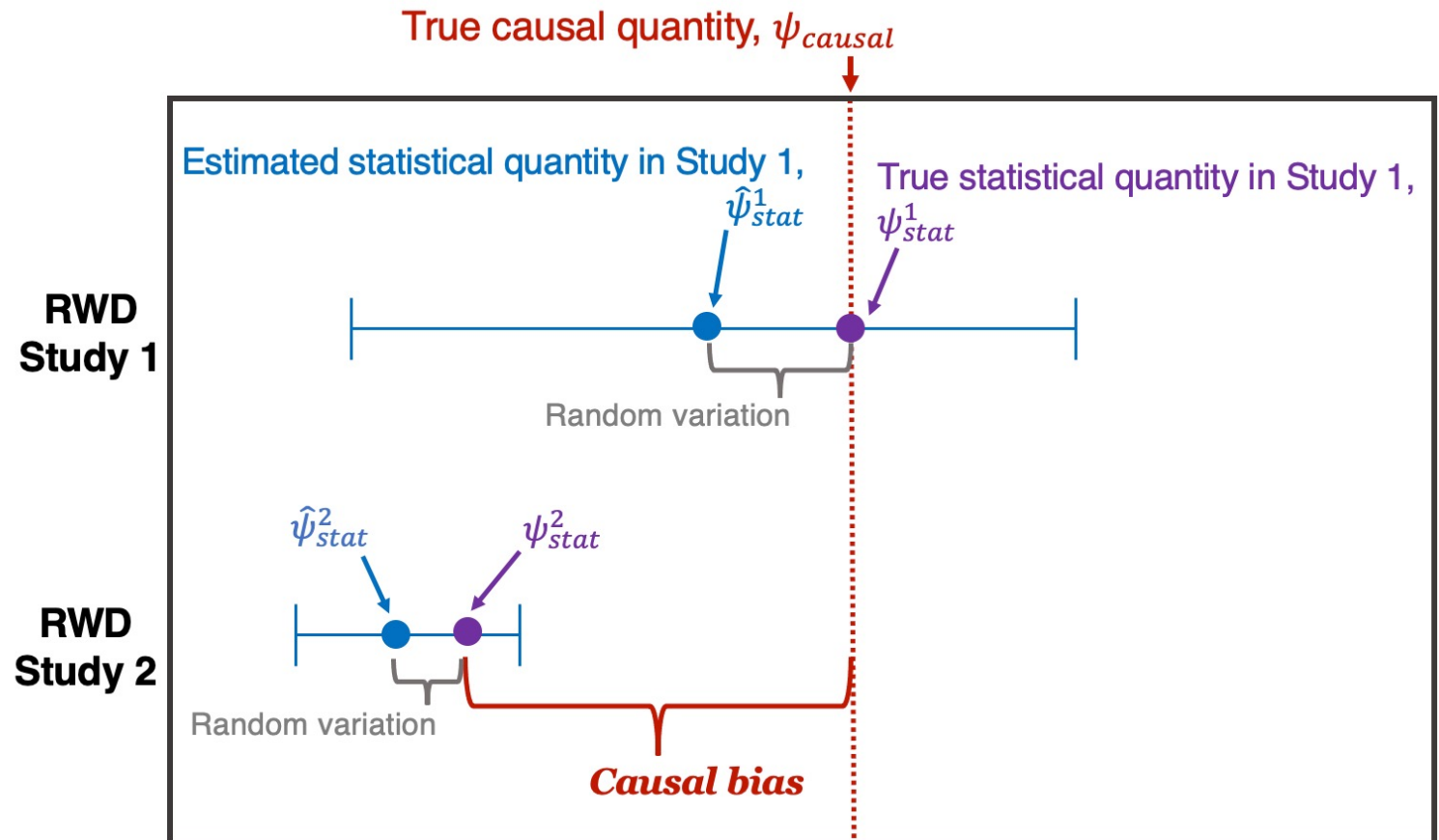
STEP 4:
CONSTRUCT
ESTIMATOR

STEP 5:
OBTAIN
INFERENCE

STEP 6:
MAKE SUBSTANTIVE
CONCLUSION

Investigate causal bias with sensitivity analysis

Causal bias: Gap between estimate and truth due to violations of any of the causal assumptions (e.g., unmeasured confounding)*



Sensitivity Analysis: Model-free assessment of how reasonable departures from causal assumptions would impact study findings

* Sensitivity analysis can be extended to incorporate statistical bias