

1. Causal Research Question(s) of interest:

2. Identify and define the concepts in your RQ:

<i>Concept</i>	<i>Definition</i>	<i>Possible Variables</i>

3. What would an OLS model of this research question look like? What kind of data would you need to run this model? Define all your variables and subscripts below the model. ( $\beta_1$  here is often called the “naïve estimator”)

$$\boxed{\phantom{000}}_{\boxed{\phantom{00}}} = \beta_0 + \beta_1 \boxed{\phantom{000}}_{\boxed{\phantom{00}}} + \varepsilon_{\boxed{\phantom{00}}}$$

Where:

**4. What would be the threats to internal validity if you ran this model?**

- *Omitted variables bias:*

*Would adding fixed effects and plausibly observable covariates take care of this problem?*

- *Reverse causality:*
- *Composition bias:*
- *Other:*

**5. What would be the ideal experiment to answer this question?**

**6. What would a (theoretical) quasi-experimental setting be that you could use to get around some of these threats to validity?**

**7. What remaining concerns about internal or external validity would you have about this research design?**