0. No adjustment, correction or selection
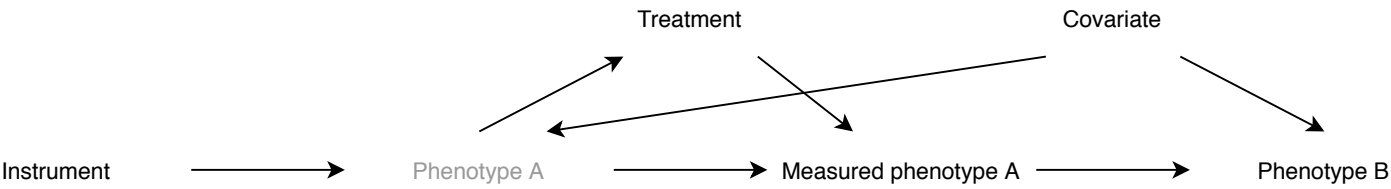
Treatment Covariate

Instrument → Phenotype A → Measured phenotype A → Phenotype B

1. Adjustment for a covariate

Treatment Covariate

Instrument → Phenotype A → Measured phenotype A → Phenotype B

2. Correction for medication use
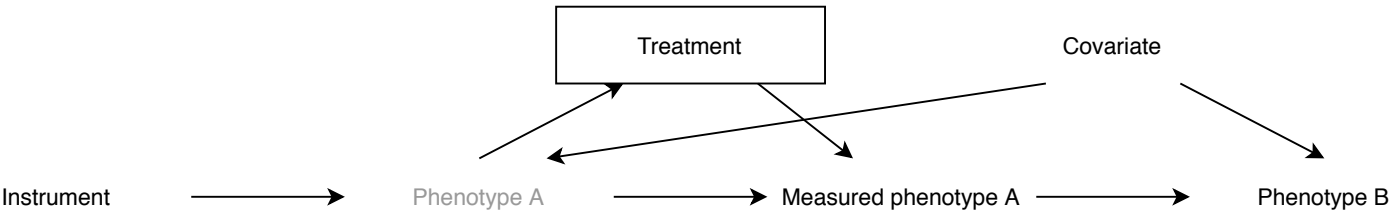
Treatment Covariate

Instrument → Phenotype A → Measured phenotype A, corrected for treatment → Phenotype B

3. Selection on medication users

Treatment Covariate

Instrument → Phenotype A → Measured phenotype A → Phenotype B
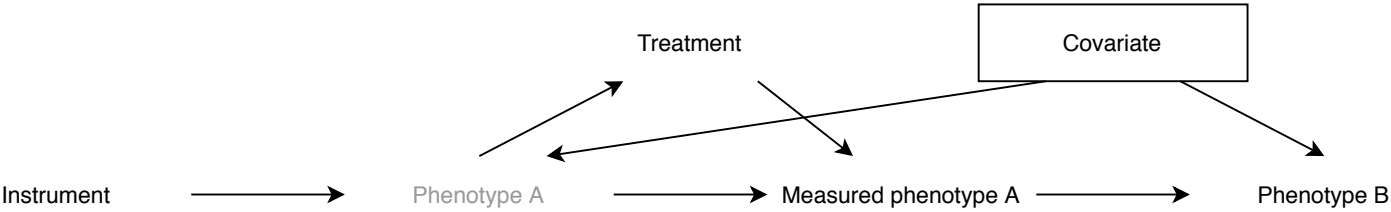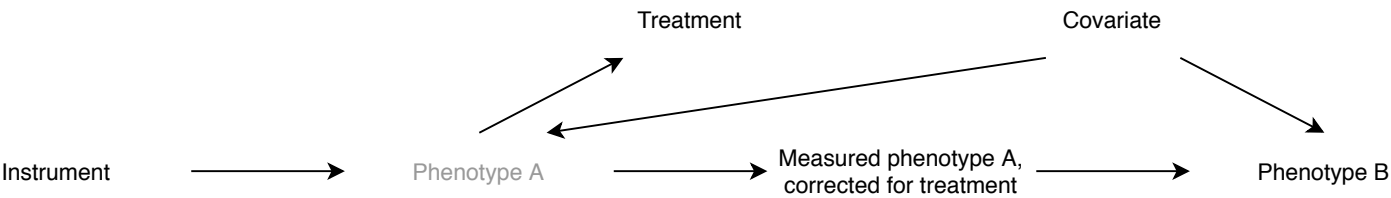
4. Adjustment for a covariate and correction for medication use

Treatment Covariate

Instrument → Phenotype A → Measured phenotype A, corrected for treatment → Phenotype B
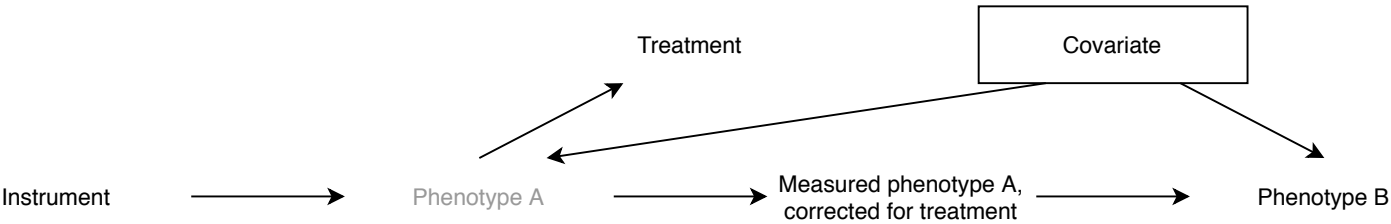
5. Adjustment for a covariate and selection on medication users

Treatment Covariate

Instrument → Phenotype A → Measured phenotype A → Phenotype B

KEY: Conditioned variable   Unobserved variable