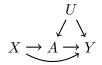
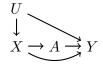
# Practice with sufficient adjustment sets

$$X \xrightarrow{A} Y$$

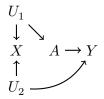
- lacksquare write down all backdoor paths between A and Y
  - recall a backdoor path has the form  $A \leftarrow \text{possibly other nodes and edges} \rightarrow Y$
- suppose we condition on nothing
  - which backdoor paths are unblocked, if any?
  - is the causal effect of A on Y identified?
- suppose we condition on X
  - which backdoor paths are unblocked, if any?
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- lacktriangle write down all backdoor paths between A and Y
  - recall a backdoor path has the form
    - $A \leftarrow \text{possibly other nodes and edges} \rightarrow Y$
- suppose we condition on nothing
  - which backdoor paths are unblocked, if any?
    - is the causal effect of A on Y identified?
- ightharpoonup suppose we condition on X
  - which backdoor paths are unblocked, if any?
  - is the causal effect of A on Y identified?