OPEN AND CLOSED PATHS

- Paths containing uncontrolled pipes and forks are open
- Paths containing colliders are closed by default, but open if we condition on the collider
- To estimate the true causal effect of x on y, we need all non-causal paths from x to y to be closed in our model

Identify all the open paths from X to Y

BACK DOOR CRITERION

To estimate the causal effect of X on Y, identify a set of control variables such that no descendants of X are in the control set, and all paths between X and Y that contain an arrow into X are blocked.