

# Elemental triads

- All DAGs can be decomposed into a set of 3 elemental motifs:
- The pipe, the fork and the collider
- We can use these to structure our thinking about our models and decide what variable to include or exclude

The pipe:



The fork:



The collider:



How does a confounder affect our estimate of the effect of  $x$  on  $y$ ?

