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:

$$x \longrightarrow z \longrightarrow y$$

The fork:

$$x \leftarrow z \rightarrow y$$

The collider:

$$x \longrightarrow z \longleftarrow y$$

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

