

# GRAPH MODEL REPRESENTATION

- We can use graphs to represent our putative causal model.
- An arrow between variables represents a potential causal effect.



This is a Directed Acyclic Graph, a **DAG**

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# ELEMENTAL TRIADS

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- 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:

