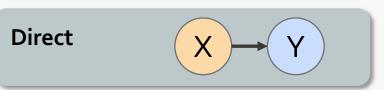


Relevant descriptions

Square window with light shining through

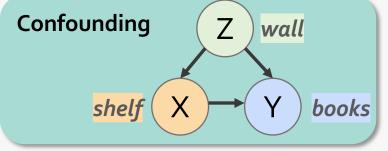
Causal Question Construction

Template Selection



Rung o: Discovery

- **Causality Identification (Cal)**
- Causal Attribution (CA)
- **Abstract Reasoning (AR)**



Rung 1: Association

Collider Bias (CB)

Rung 2: Intervention

- Confounder Identification (Col)
- **Backdoor Adjustment Set (BAS)**
- Controlled Direct Effect (CDE)

Rung 3: Counterfactual

- **Counterfactual Reasoning (CR)**
- Natural Direct Effect (NDE)
- Natural Indirect Effect (NIE)
- **Sufficient Cause (SC)**
- **Necessary Cause (NC)**

Question:

the wall is grey

books are on the shelf

books are well arranged

books on the wall

bookshelf fixed to the wall

Why are the **books** placed steadily?

Option 1 (Image Distractor):

Because the sunlight coming through the window encourages the use of books.

Option 2 (Graph Distractor):

Because the shelf is designed with dividers.

Option 3 (Text Distractor):

Because there are magnetic bookends for fixation.

Option 4 (*Ground Truth*):

Because the shelf attached to the wall keeps the books organized and upright

