1.   DAG 1   **1 point**

How many paths are there from D to B?

```
4
```

2.   DAG 1   **1 point**
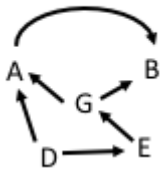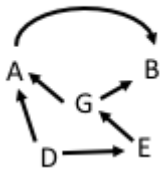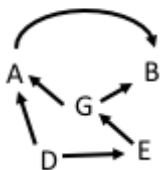

How many *backdoor* paths are there from G to B?

```
1
```

3.   DAG 1   **1 point**

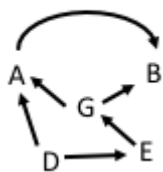
Is G independent from D, given E?

🔘 Yes

⚪ No

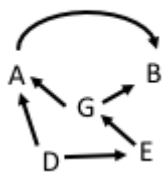**4.**   **1 point**

DAG 1

Is D independent from G?

○ Yes

◉ No

5.

DAG 1

1 point

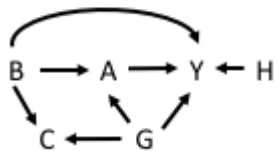How many parents does B have?
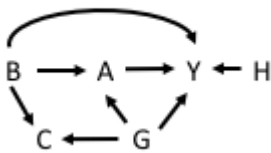
○ 0

○ 1

◉ 2

○ 3

6.

DAG 2

1 point

(Assume we are interested in the causal effect of A on Y.)

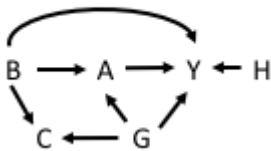How many backdoor paths are there from A to Y?

4

7.

DAG 2

(Assume we are interested in the causal effect of A on Y.)

How many unblocked backdoor paths are there from A to Y?

2

1 point

8.

DAG 2
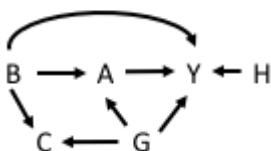

(Assume we are interested in the causal effect of A on Y.)

Conditioning on C creates a link between which two nodes?

- ⦿ B and G
- ◯ G and H
- ◯ C and A

1 point

9.

DAG 2

(Assume we are interested in the causal effect of A on Y.)

Does conditioning on {G,B} satisfy the backdoor path criterion?
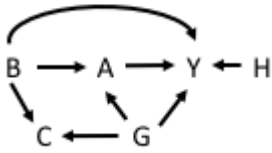
- ⦿ Yes

1 point

○ No

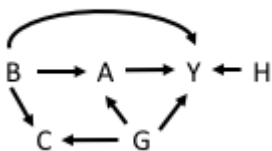**10.**   DAG 2   **1 point**

(Assume we are interested in the causal effect of A on Y.)

The set of variables to control for based on the disjunctive
cause criterion is:

○ {G,H}

○ {C,B,G,H}

○ {G,B}

⦿ {B,G,H}

11.   DAG 2   **1 point**

(Assume we are interested in the causal effect of A on Y.)

Does the set {C,B} satisfy the backdoor path criterion?

○ Yes

⦿ No

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