

■ **TABLE 11.1**  
The Three Necessary  
Conditions for  
Causation

---

Researchers must establish three conditions if they are to conclude that changes in variable A cause changes in variable B.

Condition 1: Variable A and variable B must be related (the relationship condition).

Condition 2: Proper time order must be established (the temporal antecedence condition).

Condition 3: The relationship between variable A and variable B must *not* be due to some confounding extraneous or “third” variable (the lack of alternative explanation condition).

---