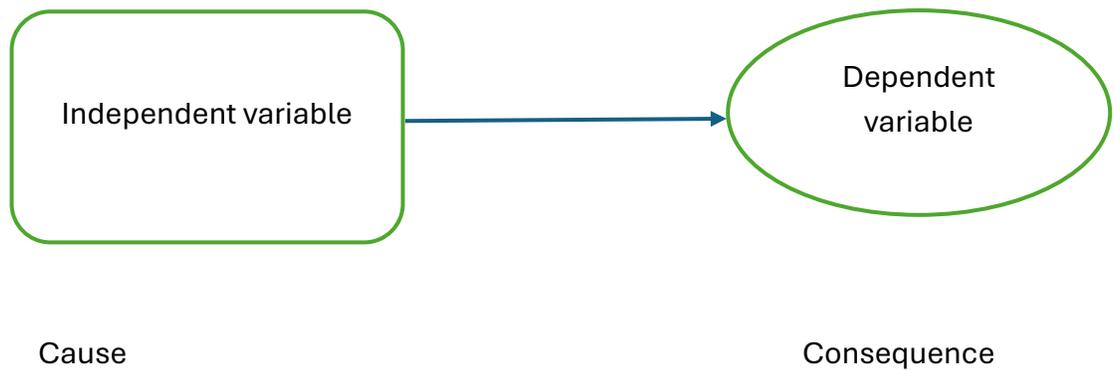


## Chapter 9 Bivariate Statistics

1) Two aspects of bivariate statistics

A) The significance of the relationship, and B) the strength of the relationship

2) Conceptualizing bivariate relationships



Examples

A) LSAT → Law School Admission

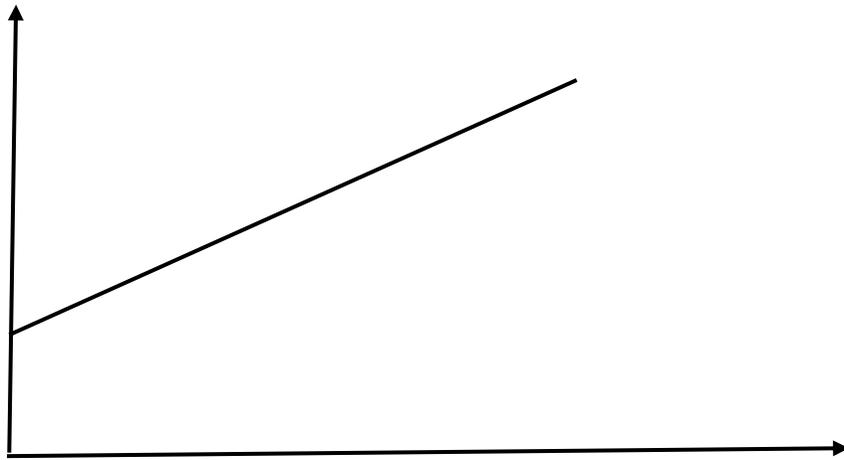
B) Gender/race → Income/education

C) Class attendance → class grade

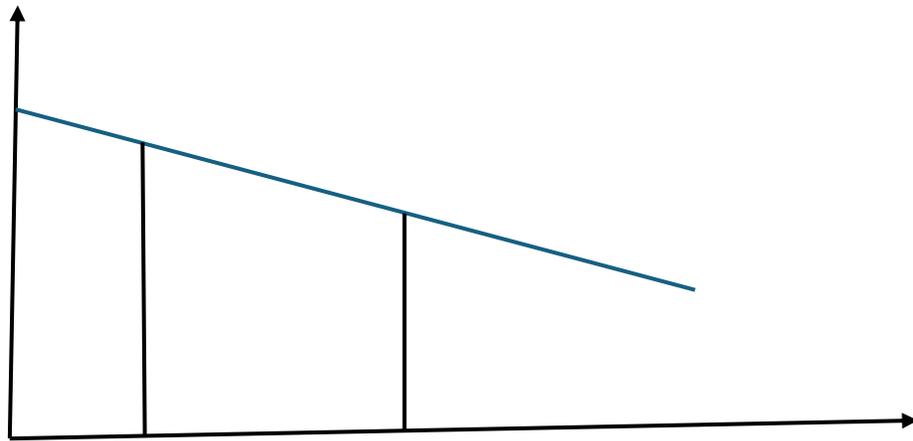
D) Day light saving time → being late

E) Exercise → weight control

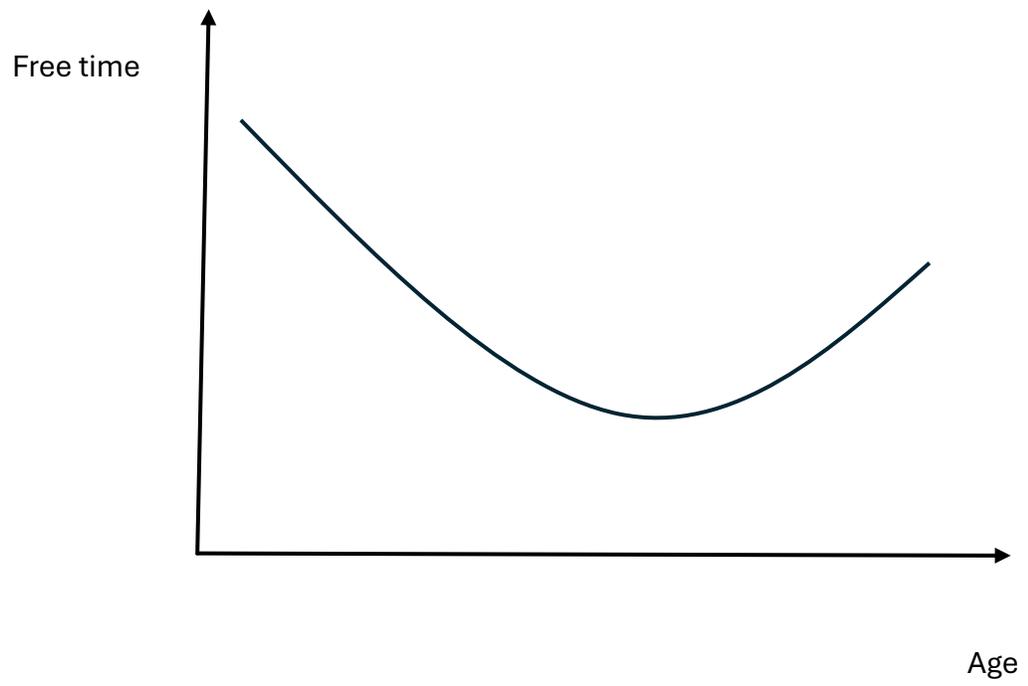
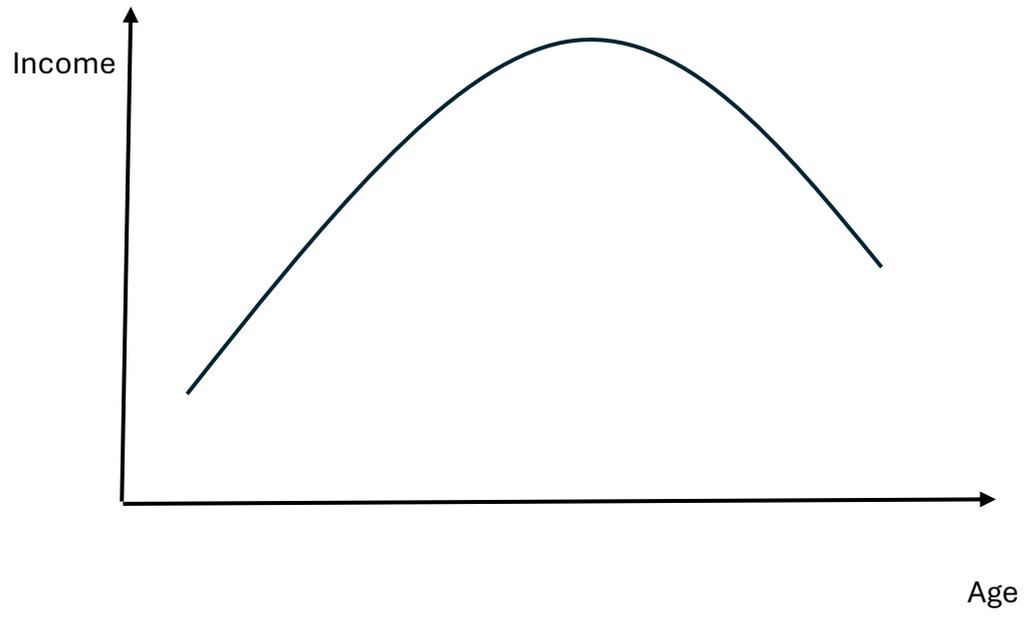
3) The direction of relationship



Positive relationship



Negative relationship



4) Relationship does not equal causality

Causality means the independent variable is the real cause of the dependent variable

- A) The independent variable must predate the dependent variable
- B) The relationship must be nonspurious
- C) The relationship must be significant