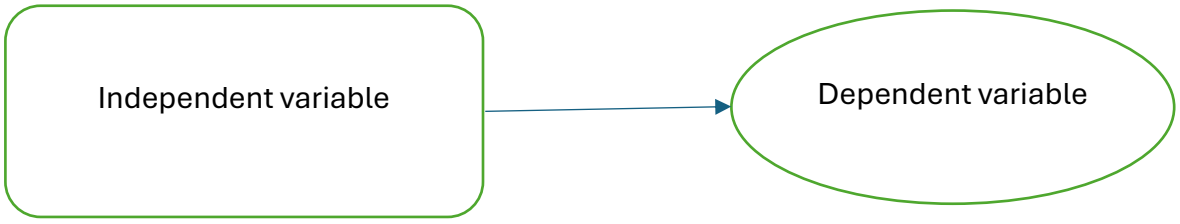
Chapter 9 Bivariate statistics: the basics

1) What are bivariate statistics?

Bivariate statistics involves two variables: one is the independent variable, and the other is the dependent variable.



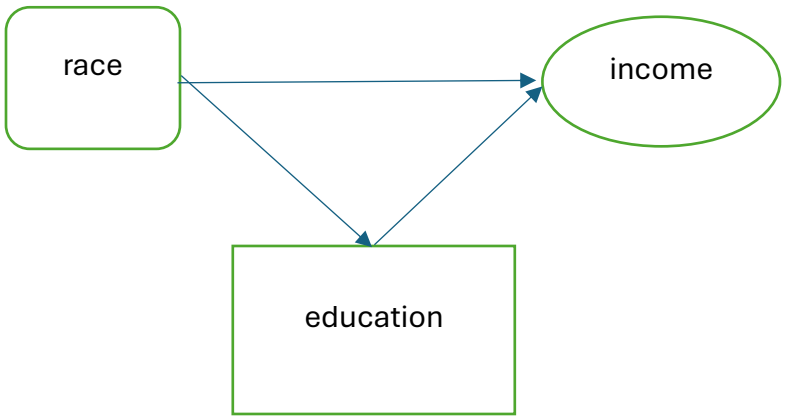
Cause

Consequences

A) Attendance, grade
B) LSAT, Law school admission
C) Exercise, BMI
D) Education, income
E) Driving, insurance premium

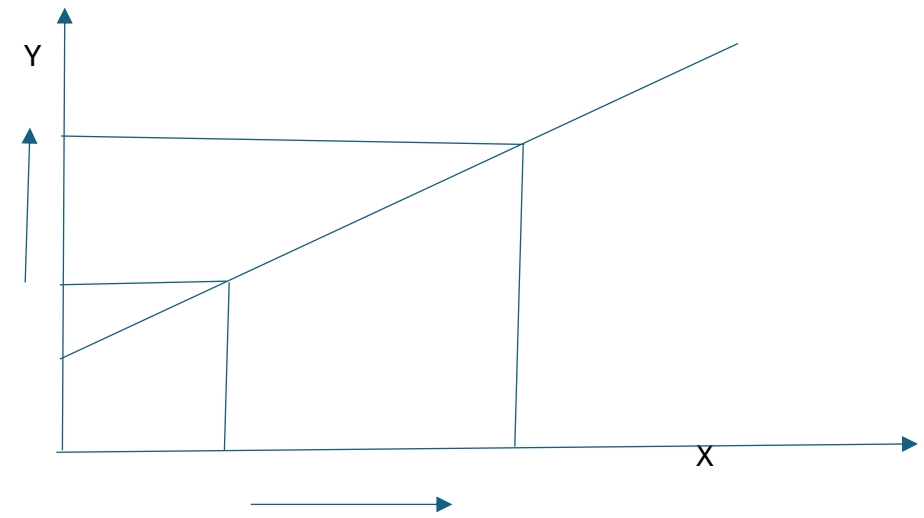
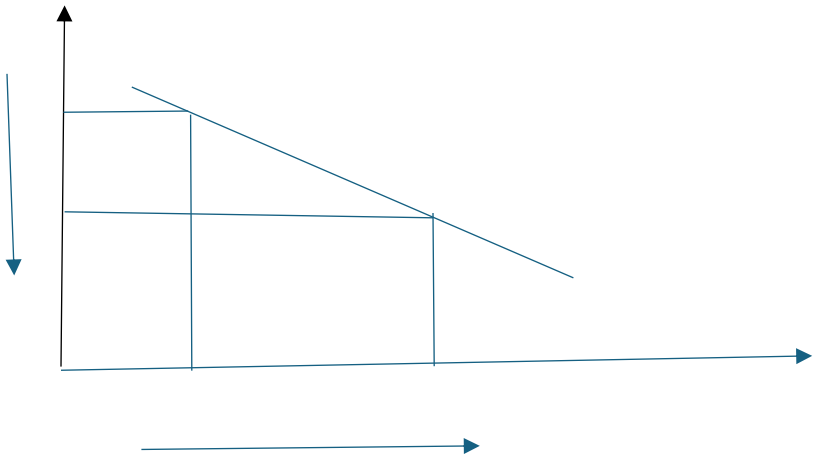
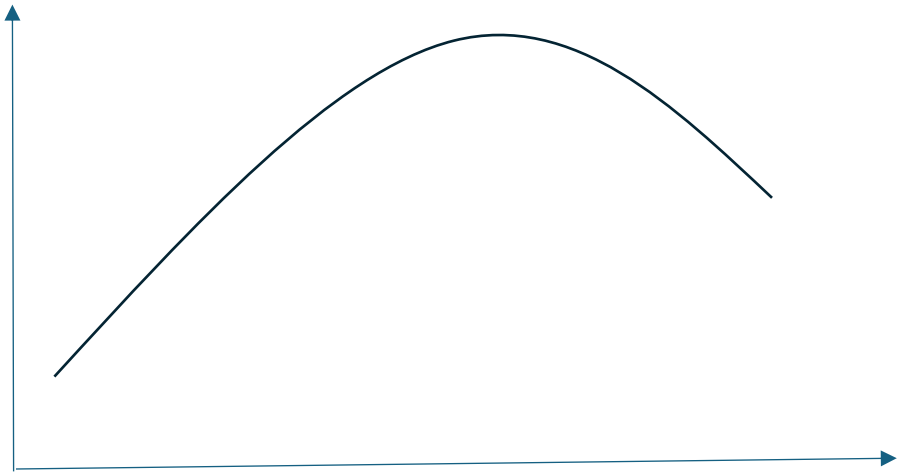
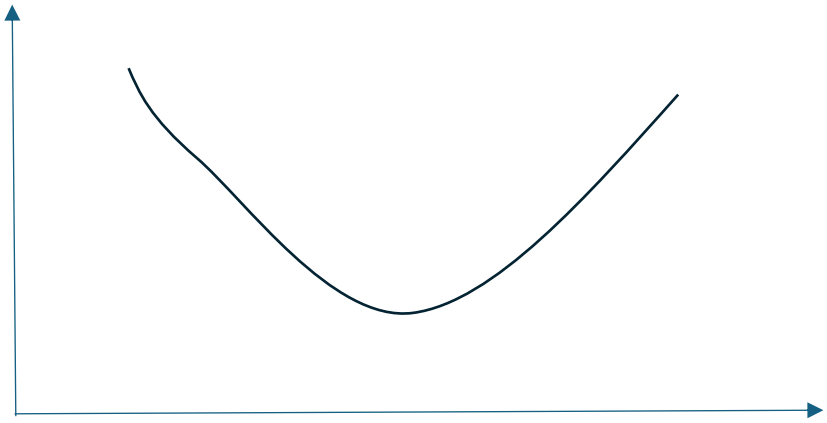
2) Causality

A) Independent variable must predate the dependent variable
B) The relationship must be non-spurious



C) The relationship must be significant (P < .05)

3) Direction of the relationship



Positive relationship