

Name _____

[/test-bank-introductory-econometrics-a-modern-approach-7e-wooldridge](#)

Class _____

Date _____

: _____ e: _____

Ch 01: The Nature of Econometrics and Economic Data

1. Econometrics is the branch of economics that _____.
a. studies the behavior of individual economic agents in making economic decisions
b. develops and uses statistical methods for estimating economic relationships
c. deals with the performance, structure, behavior, and decision-making of an economy as a whole
d. applies mathematical methods to represent economic theories and solve economic problems

ANSWER:

b

2. Nonexperimental data is called _____.
a. cross-sectional data
b. observational data
c. time series data
d. panel data

ANSWER:

b

3. Which of the following is true of experimental data?
a. Experimental data are collected in laboratory environments in the natural sciences.
b. Experimental data cannot be collected in a controlled environment.
c. Experimental data is sometimes called observational data.
d. Experimental data is sometimes called retrospective data.

ANSWER:

a

4. An empirical analysis relies on _____ to test a theory.
a. common sense
b. ethical considerations
c. data
d. customs and conventions

ANSWER:

c

5. The term ' u ' in an econometric model is usually referred to as the _____.
a. error term
b. parameter
c. hypothesis
d. dependent variable

ANSWER:

a

6. The constants of econometric models are referred to as _____.
a. parameters
b. statistics
c. error terms
d. hypotheses

ANSWER:

a

7. The parameters of an econometric model _____.
a. are estimated
b. are known
c. are fixed
d. are random

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- a. include all unobserved factors affecting the variable being studied
- b. describe the strength of the relationship between the variable under study and the factors affecting it
- c. refer to the explanatory variables included in the model
- d. refer to the predictions that can be made using the model

ANSWER:

b

8. Which of the following is the first step in empirical economic analysis?

- a. Collection of data
- b. Statement of hypotheses
- c. Specification of an econometric model
- d. Testing of hypotheses

ANSWER:

c

9. A data set that consists of a sample of individuals, households, firms, cities, states, countries, or a variety of other units, taken at a given point in time, is called a(n) _____.

- a. cross-sectional data set
- b. longitudinal data set
- c. time series data set
- d. experimental data set

ANSWER:

a

10. Data on the income of law graduates collected at different times during the same year is _____.

- a. panel data
- b. experimental data
- c. time series data
- d. cross-sectional data

ANSWER:

d

11. A data set that consists of observations on a variable or several variables over time is called a _____ data set.

- a. binary
- b. cross-sectional
- c. time series
- d. experimental

ANSWER:

c

12. Which of the following is true of time series data?

- a. The time series data is easier to analyze than cross-sectional data.
- b. The time series data are independent across time.
- c. The chronological ordering of observations in a time series conveys potentially important information.
- d. A time series data set consists of observations on a variable or several variables at a given time.

ANSWER:

c

13. Which of the following is an example of time series data?

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- a. Data on the unemployment rates in different parts of a country during a year.
- b. Data on the consumption of wheat by 200 households during a year.
- c. Data on the gross domestic product of a country over a period of 10 years.
- d. Data on the number of vacancies in various departments of an organization on a particular month.

ANSWER:

c

14. Which of the following refers to panel data?

- a. Data on the unemployment rate in a country over a 5-year period
- b. Data on the birth rate, death rate and population growth rate in developing countries over a 10-year period.
- c. Data on the income of 5 members of a family on a particular year.
- d. Data on the price of a company's share during a year.

ANSWER:

b

15. Which of the following is a difference between panel and pooled cross-sectional data?

- a. A panel data set consists of data on different cross-sectional units over a given period of time while a pooled data set consists of data on the same cross-sectional units over a given period of time.
- b. A panel data set consists of data on the same cross-sectional units over a given period of time while a pooled data set consists of data on different cross-sectional units over a given period of time
- c. A panel data consists of data on a single variable measured at a given point in time while a pooled data set consists of data on the same cross-sectional units over a given period of time.
- d. A panel data set consists of data on a single variable measured at a given point in time while a pooled data set consists of data on more than one variable at a given point in time.

ANSWER:

b

16. _____ has a causal effect on _____.

- a. Income; unemployment
- b. Height; health
- c. Income; consumption
- d. Age; wage

ANSWER:

c

17. Which of the following is true?

- a. A variable has a causal effect on another variable if both variables increase or decrease simultaneously.
- b. The notion of 'ceteris paribus' plays an important role in causal analysis.
- c. Difficulty in inferring causality disappears when studying data at fairly high levels of aggregation.
- d. The problem of inferring causality arises if experimental data is used for analysis.

ANSWER:

b

18. Which of the following terms measures the association between two variables?

- a. Casual effect
- b. Independence
- c. Average
- d. Correlation

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ANSWER: d

19. Experimental data are sometimes called retrospective data.

- a. True
- b. False

ANSWER: False

20. Experimental data are easy to obtain in the social sciences.

- a. True
- b. False

ANSWER: False

21. An economic model consists of mathematical equations that describe various relationships between economic variables.

- a. True
- b. False

ANSWER: True

22. Random sampling complicates the analysis of cross-sectional data.

- a. True
- b. False

ANSWER: False

23. A cross-sectional data set consists of observations on a variable or several variables over time.

- a. True
- b. False

ANSWER: False

24. A time series data is also called a longitudinal data set.

- a. True
- b. False

ANSWER: False

25. The notion of **ceteris paribus** means “other factors being equal.”

- a. True
- b. False

ANSWER: True

26. In the following econometric model, $wage = \beta_0 + \beta_1 educ + u$, which of the following factors would **not** be contained in the term u ?

- a. Experience (*exper*)
- b. Family background (*fback*)
- c. Innate ability (*abil*)

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d. Education (*educ*)

ANSWER:

d

27. Given the following econometric model, $wage = \beta_0 + \beta_1 educ + u$, can we eliminate the error term u entirely?

- a. Yes, by including other observable factors, such as experience, that can also influence wage.
- b. Yes, by ensuring that everyone reports wage accurately and truthfully.
- c. No, because education is not always reported accurately.
- d. No, because many factors affect wage, that we cannot even list, let alone observe.

ANSWER:

d

28. Why do labor economists often find it difficult to estimate the ceteris paribus return to education, in terms of wage, using non-experimental data?

- a. Education level in non-experimental data is probably dependent on other omitted factors that also affect wage.
- b. In a non-experimental setting, education level is often difficult to measure.
- c. Wage is often reported unreliably and inaccurately.
- d. Experience, another factor that also affects wage, is generally difficult to measure.

ANSWER:

a