

Chapter: Chapter 01 - Quiz

Multiple Choice

1. Which answer best describes when the history of statistics began?

- A) The history of statistics dates back to the Roman era.
- B) The history of statistics was started in the 1790s.
- C) The history of statistics was used in counting bricks.
- D) The history of statistics was used in counting and predicting the amount of fruit.

Ans: A

2. What is the definition of statistics?

- A) Numbers kept on a computer
- B) The collection of data for the purpose of making predictions or considerations or summary analysis to answer questions
- C) To compare data from year to year
- D) To improve patient care

Ans: B

3. What is the purpose for hospitals keeping healthcare statistics?

- A) Assess, improve, and communicate the quality of patient care
- B) Benchmark against other healthcare facilities of similar size
- C) Keep data because they have to
- D) Compare from year to year

Ans: A

4. What is the correct definition of data mining?

- A) Data that are retrieved, consolidated from raw data
- B) Data that are analyzed
- C) Extracting information from a large set of data
- D) Data that are made into a usable format

Ans: C

5. Which sentence best describes the history of data mining?

- A) Data mining has existed since the time of Hippocrates.
- B) Data mining is known as evidence-based medicine.
- C) Data mining began in the late 1800s.
- D) Snow was the inventor of data mining.

Ans: A

6. Which sentence best describes how data mining is used in health care?

- A) Used to track hygiene
- B) The best available current methods of diagnosis and treatment
- C) Analysis of healthcare centers' better health policy-making, detection of disease outbreaks, and preventable hospital deaths
- D) Uses only certain types of data

Ans: C

7. What are the four types of data?

- A) Ratio, data distribution, ordinal, nominal
- B) Nominal, ordinal, ratio, data mining
- C) Ordinal, ratio, random data, qualitative
- D) Nominal, ordinal, interval, and ratio

Ans: D

8. What is a dataset?

- A) A population of the group being investigated
- B) The collection of data on a subject under examination
- C) A subset of data
- D) The entire population under study

Ans: B

9. How many elements are associated with data mining?

- A) 5
- B) 3
- C) 4
- D) 2

Ans: A

10. What are the two types of variables?

- A) Independent and data distribution
- B) Independent and dependent
- C) Predictor and recovery rate
- D) Dependent and variable

Ans: B

11. What are the five basic elements of data mining?

- A) Predictive, descriptive, viewpoint, aspect, model
- B) Descriptive, viewpoint, model, aspect
- C) Descriptive, viewpoint, predictive, aspect, decision model
- D) Viewpoint, aspect, descriptive, decision model

Ans: C

12. What are secondary data?

- A) Data collected by other people
- B) Data that you have collected
- C) Data that you and others have collected and put together
- D) Data compiled from data mining

Ans: A

13. What does the abbreviation QOS stand for?

- A) Quantity over service
- B) Quality over service
- C) Quality of service
- D) Quantity of service

Ans: C

14. What does EHR stand for?

- A) Emergency health record
- B) Electronic heart rate
- C) Electronic health record
- D) Electronic hearing record

Ans: C

15. What is the correct definition for certificate of need?

- A) A statement or certificate that is issued by a government agency for projected construction or modification of a healthcare facility
- B) To set goals
- C) Track patients and their outcomes
- D) To link services to the diagnosis of the patient

Ans: A

True/False

1. True or False? The Bureau of Labor Statistics, National Center for Health Statistics, Centers for Disease Control and Prevention, and Centers for Medicare and Medicaid Services are some of the key producers and users of healthcare statistics.

Ans: True

2. True or False? The electronic health record allows facilities to share data.

Ans: True

3. True or False? Evidence-based medicine (EBM) is based on the best available current methods of diagnosis and treatment as revealed in research; this idea has existed since the beginning of time.

Ans: False

4. True or False? Data warehousing is the centralized storage of large sets of data.

Ans: True

5. True or False? A sample of data is a subset of data that statistically represents the entire population.

Ans: True

6. True or False? Parameters are descriptive measures of a population and are never referred to as fixed references.

Ans: False

7. True or False? "Nominal" indicates that this type of data category cannot be ordered.

Ans: True

8. True or False? Ordinal data can be ordered.

Ans: True

9. True or False? Interval data cannot be ordered.

Ans: False

10. True or False? A flowchart is a graphical way to depict a series of actions given a certain series of events.

Ans: True