# QUIZ TIME

# Bio-statistics

Done by:

Layan Al-Muhaisen

لجن
طب الأسنان

**1. What is the primary focus of biostatistics?**
  a) Collection of data only
  b) Application of statistical methods in biological sciences and medicine
  c) Graphical presentation of data
  d) Mathematical modeling
     Answer: b) Application of statistical methods in biological sciences and medicine

**2. Which of the following is NOT a method of data collection mentioned in the lecture?**
  a) Telephone surveys
  b) Hospital records
  c) Social media analytics
  d) Population census
   Answer: c) Social media analytics

**3. In a study tracking patient outcomes, "number of hospital admissions per year" would be classified as:**
a) Nominal qualitative (e.g., blood type)
b) Ordinal qualitative (e.g., pain scale)
c) Continuous quantitative (e.g., body temperature)
d) Discrete quantitative (e.g., whole counts)
Answer: d) Discrete quantitative

**4. In a frequency distribution table for a continuous variable (e.g., Hb%), how is the midpoint of the interval "65-" calculated?**
a) Lower limit + Upper limit
b) (Lower limit + Upper limit) / 2
c) Upper limit – Lower limit
d) Number of observations × Width
Answer: b) (Lower limit + Upper limit) / 2

**5. Which measure of dispersion is calculated using the 25th and 75th percentiles?**
a) Standard deviation
b) Range
c) Interquartile range
d) Mean absolute deviation
Answer: c) Interquartile range
Mentioned page 8

2

6. A 2x2 contingency table is used to analyze the relationship between:
   a) Two continuous variables
   b) Two qualitative variables with binary outcomes
   c) Three or more ordinal variables
   d) Discrete and nominal variables
   Answer: b) Two qualitative variables with binary outcomes

7. For a discrete quantitative variable (e.g., family size), the width of the interval "11-12" is:
   a) 1
   b) 2
   c) 11.5
   d) 12
   Answer: b) 2

8. Which of the following is a disadvantage of tabular data presentation?
   a) Ease of summarization
   b) Loss of precision
   c) Visual appeal
   d) Compatibility with qualitative data
   Answer: b) Loss of precision
Mentioned page 13

9. What type of table is use to show association between two variables like weight and height?
a) Simple frequency table
b) Two-way classification table
c) Contingency table
d) Both b and c
Answer: d) Both b and c
Sources:
- Page 24: "Two Way Table Or Two Way Classification"

10. Which form of interval notation is exclusively used for continuous quantitative variables?
   a) "10-14"
   b) "10 to less than 15"
   c) "10-"
   d) "10-14.9"
   Answer: d) "10-14.9"
Mentioned page 14