



Test Bank



Subject:

Quantitative-Final 017

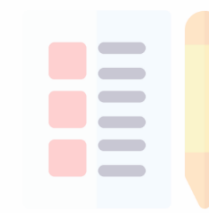
بجانب



Collected by:

Leen Alsaheili

Samia Simrin



1-Researchers attempting to generate a random sample from the source population need to avoid what type of bias ?

- a. Nonrandom sampling bias
- b. Ascertainment bias
- c. Nonresponse bias
- d. Convenience bias

2-What type of sampling is usually the preferred option for producing a sample population that is similar to the source population as a whole ?

- a. Probability based sampling
- b. Cluster sampling
- c. Multistage sampling
- d. Sequential sampling

3-Which of the following is defined as the assurance that individuals get to choose what information they reveal about themselves ?

- a. Privacy
- b. Autonomy
- c. Confidentiality
- d. Authority

4-Training for research ethics and responsible conduct of research usually:

- a. Emphasis that Informed consent is only obtained from competent subjects
- b. explain expectations and procedures for disclosing conflicts of interest, avoiding research misconduct, reporting research ethics or personal violations
- c. Do not provide guidance on the protection of human subjects

d. Provide guarantee that Researchers will maintain confidentiality of research conduct

5-Deciding on the intervention and eligibility criteria is the first step when designing:

- a. Cohort study
- b. Cross-over study
- c. Correlational study
- d. Case-control study

6-Full ethical review of the research proposal usually is required?

- a. when an intervention will be tested
- b. when the study will rely on existing data or biological specimens
- c. When the study do not involve an intervention but will have observation of public behavior
- d. When a minor change to a previously approved protocol is requested

7-The methods section of a study report should provide information about

- a. Previous studies and literature gabs
- b. Demographic characteristics of participants
- c. Purpose and research questions
- d. The procedure used to recruit participants

8-The results section of a research article should

- a. Describe the procedure used to recruit participants
- b. start with a description of the study population
- c. include important definitions and contextual information about the study
- d. Present previous studies and literature gabs

9-Accurate paraphrasing of previous authors ideas within research reports:

- a. Does not need citation of the original work
- b. reflects that authors understood the article being cited
- c. Should be cited with quotation marks and page numbers
- d. is considered Plagiarism

10-In which citation style is the first article cited referred to a reference number any time it is cited in the manuscript ?

- a. ICMJE style
- b. MLA style
- c. APA style
- d. AMA style

11-The researcher is dividing research participants into groups of men and women before equating the groups on all characteristics that could affect study outcomes.

What is this technique called ?

- a. Cluster control
- b. Patient-centered assignment
- c. Block randomization
- d. Stratification

12-What type of research design involves an intervention but no randomization?

- a. Quasi-experimental
- b. Crossover
- c. pre-experimental
- d. Factorial

13-What is beneficence?

- a. Freedom to control their own actions
- b. Participants right to self-determination

- c. Obligation to attend to the well being of individuals and performance of good
- d. Protection from physical and psychological harm and exploitation

14-What is bias sampling ?

- a. Elements are selected by nonrandom methods.
- b. Most readily available or convenient group of people for the sample.
- c. Referrals for potential participants are made by those already in the sample .
- d. Systematic over- or under-representation of an attribute concerning the population.

15-What type of sampling divides the population into homogeneous strata from which elements are selected at random ?

- a. Simple random sampling
- b. Probability cluster sampling
- c. Cluster sampling
- d. Stratified random sampling

16-On a scatterplot used to illustrate correlation, the correlation is considered strong when?

- a. the points are not linear but a line for trend can be drawn through them
- b. the points are not exactly linear but a trend can be drawn through
- c. the points are mostly linear
- d. the points scattered from each other but have the same direction

17-When existing data from records and/or specimens are used, the research can be exempted from ethical review it ?

- a. The study does not involve an intervention .
- b. The researcher is gathering data anonymously .
- c. The study is gathering data from records over 10 years old .

d. Health professional students are used as subjects .

18-For continuous variables and other variables with responses that can be plotted on a number line, which of the following is used to calculate the correlation ?

- a. Pearson correlation coefficient
- b. Spearman rank-order correlation
- c. Linear regression models

19-Which of the following tasks would need to be performed by the researcher if existing data is going to be analyzed ?

- a. Identify an appropriate way to sample and recruit participants
- b. Identify an appropriate data source and supporting materials
- c. Develop a questionnaire and other data collection tools
- d. Prepare an application for a research ethics review committee

20-A Gantt chart can be very helpful for visually displaying which of the following ?

- a. Research protocol
- b. Data collection outline
- c. Sample selection
- d. Research timeline

21-Positive likelihood ratio of new tests:

- a. Is the same as negative likelihood ratio test
- b. Give Negative predictive value for disease
- c. Give Positive predictive value of a disease
- d. is good at predicting the presence of disease

22-Safety of participants is a priority in :

- a. Safety of participants is priority in all studies
- b. Prospective observational studies

c. Experimental studies

d. Specificity studies

23-The standard expectation is that a study analysis should have a minimum power of?

a. %60

b. %95

c. %70

d. %80

24-Which of the following is a statistical estimate of how close to the population value a sample of a particular size is expected to be ?

a. Confidence interval

b. p-Value

c. Study power

d. Chi-square statistic

25-Type I error occurs:

a. when a study population yields a significant statistical test result and a significant difference actually exist in the source population

b. when a study population yields a significant statistical test result even though a significant difference or association does not actually exist in the source population

26-Factors that might influence the relationships between key exposures and outcomes are referred to as which of the following ?

a. Potential confounders

b. Potential exposure variables

c. Mediating variables

d. Type 2 error variables

27-What type of question forces respondents to select answers that do not truly express their status or opinions ?

- a. Dichotomous questions
- b. Close-ended questions
- c. Categorical questions
- d. Open-ended questions

28-For what type of questions must decisions be made about how many entries to include on a scale and whether there will be a neutral option ?

- a. Categorical questions
- b. Close-ended questions
- c. Open-ended questions
- d. Ranked questions

29-Cronbach's alpha is a measure of the?

- a. internal consistency
- b. test-retest reliability
- c. Predictive intercorrelation
- d. redundant and unnecessary scale items

30-High Personnel cost is usually a concern in

- a. Research requiring Interviews with participants
- b. Correlational studies
- c. Cross-sectional studies
- d. Cohort studies

31-Computer-assisted surveys:

- a. eliminate the need for later data entry
- b. Require trained data entry personnel

- c. usually is completed by Telephone interviews
- d. Requires In-person interview for data accuracy

32-Block randomization:

- a. Consecutive assignment of participants to either intervention or control group
- b. purposefully assigns participants to intervention group based on response to treatment
- c. Assigns Cluster of non-diseased to control group and diseased participants to Intervention group
- d. Assigns groups of participants to an intervention group and other groups of participants to a control group

33-Measures of the theoretical construct that the test is intended to assess is referred to as :

- a. Criterion validity
- b. Construct validity
- c. content validity
- d. face validity

34-Anthropometric measurements are physiological measurements that .

- a. Needs special laboratory testing
- b. can be quantified accurately after minimal instruction
- c. Can be quantified by patients

35-A valid study will have a value of kappa that is close to which of the following ?

- a. %5
- b. %95
- c. 0.9
- d. 0.5

36-What type of projects might use data mining and computational linguistics to explore social media events ?

- a. Public health informatics
- b. Clinical informatics
- c. Health informatics
- d. Bioinformatics

37-What is the major limitation when using existing clinical records?

- a. Records are often incomplete
- b. Records require signed release from the patient
- c. Data needs to be collected retrospectively overtime
- d. Data are difficult to extract

38-When interpreting results of a systematic review, studies that find no statistically significant results :

- a. Should be excluded
- b. Analyzed again by the reviewer to find further associations.
- c. Could contaminate data
- d. are valuable as those that find a significant association.

39-Which of the following are the two main threats to the validity of a meta-analysis ?

- a. Information bias and assessment bias
- b. Poor quality of included studies and information bias
- c. Publication bias and information bias
- d. Poor quality of included studies and publication bias

40-Which of the following is defined as looking up every article cited by eligible articles in order to identify other relevant articles ?

- a. Snowballing
- b. Validating
- c. Mining
- d. Systematic

Answers

1	a	11	d	21	d	31	a
2	a	12	a	22	c	32	d
3	a	13	c	23	d	33	b
4	b	14	d	24	a	34	c
5	b	15	d	25	b	35	c
6	a	16	c	26	a	36	a
7	d	17	a	27	b	37	a
8	b	18	a	28	d	38	d
9	b	19	b	29	a	39	d
10	d	20	d	30	a	40	a

اذكرونا بدعوة. ✨