

STA630 FinalTerm Fall2009

Question No: 1 (Marks: 1) - Please choose one

An experiment has high _____ if one has confidence that the experimental treatment has been the source of change in the dependent variable.

Internal validity

External validity

Internal and external validity

Internal and external reliability

http://books.google.com.pk/books?id=Cf1D0DvWXI8C&pg=PA336&lpg=PA336&dq=An+experiment+has+high+external+validity+if+one+has+confidence+that+the+experimental+treatment+has+been+the+source+of+change+in+the+dependent+variable&source=bl&ots=lbSMSB8Vvs&sig=3xb1jrRS4UufDQnklUti78OXHYq&hl=en&ei=KBY9TdaiDMrorOfy3PjaCA&sa=X&oi=book_result&ct=result&resnum=2&ved=0CBgQ6AEwAQ#v=onepage&q=An%20experiment%20has%20high%20external%20validity%20if%20one%20has%20confidence%20that%20the%20experimental%20treatment%20has%20been%20the%20source%20of%20change%20in%20the%20dependent%20variable&f=false

Question No: 2 (Marks: 1) - Please choose one

_____ is the arbitrary and subjective.

Probability sampling

Non- Probability sampling

Cluster sampling

All of the given options

The selection of units in non-probability sampling is quite arbitrary,

Question No: 3 (Marks: 1) - Please choose one

Which of the following is NOT included in the stages of interviewing?

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Recording the responses

Probing

Coding the data

(Page no.83 and 84)

Question No: 4 (Marks: 1) - Please choose one
Critical decision areas in questionnaire construction are_____

Question content

Question wording

Response strategy

All of the given options (most appealing)

Question No: 5 (Marks: 1) - Please choose one
_____ is based on the concept of random sampling.

Non- probability sampling

Probability sampling

Random sampling

Multiple sampling

The simple random is the best known probability sample,

Question No: 6 (Marks: 1) - Please choose one
A sampling design in which the elements in the population do NOT have a known or predetermined chance of being selected as sample subject is:

Convenience sampling

Stratified sampling

Non-Probability sampling

Probability sampling

Page No.90

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Question No: 7 (Marks: 1) - Please choose one
_____ is the population for which results are required.

Finite population

Infinite population

Target population

None of the given options

The target population is the population of individuals which we are interested in describing and making statistical inferences about.

http://www.ehes.info/manuals/EHES_manual/PartA/EHES_Manual_PartA_Chapter2.pdf

http://books.google.com.pk/books?id=KW9esgo759EC&pg=PA203&lpg=PA203&dq=Target+population+is+the+population+for+which+results+are+required&source=bl&ots=SIWsi5tu49&sig=dQBv7ppgDZEahwNIZsbKN5i5G6E&hl=en&ei=xiI9TaKELIPtrQe-yOiJCQ&sa=X&oi=book_result&ct=result&resnum=10&ved=0CEAQ6AEwCTgK#

Question No: 8 (Marks: 1) - Please choose one

Which of the following technique yields a simple random sample?

Choosing volunteers from an introductory psychology class to participate

Listing the individuals by ethnic group and choosing a proportion from within each ethnic group at random

Numbering all the elements of a sampling frame and then using a random number table to pick cases from the table

Randomly selecting schools, and then sampling everyone within the school

<http://www.southalabama.edu/coe/bset/johnson/mcq/mc7.htm>

Question No: 9 (Marks: 1) - Please choose one

Which of the following designs permits a comparison of pretest scores to determine the initial equivalence of groups on the pretest before the treatment variable is introduced into the research setting.

(a) One-group pretest-posttest design

(b) Pretest-posttest control group design

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(d) Both b and c

<http://www.southalabama.edu/coe/bset/johnson/mcq/mc9.htm>

Question No: 10 (Marks: 1) - Please choose one

Where do you provide a step-by-step account of what the researcher and participants did during the research study?

Introduction

Abstract

Procedure

Design

<http://www.southalabama.edu/coe/bset/johnson/lectures/lec18.htm>

<http://dictionary.reference.com/browse/procedure>

Question No: 11 (Marks: 1) - Please choose one
Which of the following has high response rate?

Mail interviewing

Telephone interviewing

Personal interviewing

None of the given options

http://books.google.com.pk/books?id=FqF7n0zGJm0C&pg=PA380&lpg=PA380&dq=Personal+interviewing+has+high+response+rate&source=bl&ots=n5Hluy7k7b&sig=MUD7RdNcwC0DZXd7X_mnAXw_zJQ&hl=en&ei=3AnTf24GsPrsgaeqsnCAg&sa=X&oi=book_result&ct=result&resnum=10&ved=0CFYQ6AEwCTgK#v=onepage&q=response%20rates%20are%20very%20high&f=false

Question No: 12 (Marks: 1) - Please choose one
Observation studies are also known as _____ research.

Experimental

Field

Quantitative

None of the given options

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Open-ended questions provide primarily _____ data.

Unprocessed data

Qualitative data

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All of the given options

None of the given options

<http://www.southalabama.edu/coe/bset/johnson/mcq/mc6.htm>

Question No: 14 (Marks: 1) - Please choose one

Which one of the following is NOT a major method of data collection:

Questionnaires

Interviews

Focus groups

All of the given options are methods of data collection

http://www.idrc.ca/en/ev-56606-201-1-DO_TOPIC.html

Question No: 15 (Marks: 1) - Please choose one

Which of the following statement is incorrect?

In non participant observation the observer is just an observer.

In participant observation, the data accuracy is high.

Participant observation is also referred to as field research.

None of the given options

(page 134 review again)

FINAL TERM EXAMINATION
Spring 2009
STA630- Research Methods (Session - 1)

Marks: 80

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Which of the following is NOT an assumption of action research?

Action researchers have basic research skills to collect and analyze data.

All professionals need and want feedback on their performance.

Results enable the researchers to evaluate the performance of others.

Teachers are capable of assuming responsibility for their own professional growth.

http://wps.prenhall.com/chet_airasian_edresearch_7/5/1490/381508.cw/index.html

Question No: 2 (

Marks: 1) - Please choose one

Which of the following statements is TRUE for operational definition?

It is one that bears no relation to the underlying concept.

It is an abstract, theoretical definition of a concept

A definition of a concept in terms of specific and empirical measures.

It is one that refers to opera singers and their work.

<http://www.oup.com/uk/orc/bin/9780199202959/01student/cgs/ch06/>

Question No: 3 (Marks: 1) - Please choose one

Which of the following statements best defines hypothesis?

A quantitative study.

A tentative prediction of the results of the research.

A qualitative research design.

The operational definition of the study.

Question No: 4 (Marks: 1) - Please choose one

When the research starts from the effects and tracing the reasons back in time, what does it called?

Case study

Experiment

Observation studies

Historical comparative research

Ref. Page No.38:It is more like a clinical analysis in retrospect; starting from the effect and tracing the reasons back in time. The researcher takes the history of the situation and makes use of any other relevant information about the case to identify the factors leading to the present situation

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Question No: 5 (Marks: 1) - Please choose one

The extent to which a test provides scores that are meaningful, appropriate, or useful is referred to as;

Reliability

Accuracy

Internal validity

Validity

http://wps.prenhall.com/chet_airasian_edresearch_8/38/9866/2525945.cw/content/index.html

Question No: 6 (Marks: 1) - Please choose one

Mr. Hasan's son has applied to a high school in Florida, but the application was denied solely on his low score on the Iowa Test of Basic Skills (ITBS). His son wants to attend this school and contends his current grades and other standardized test scores speak well to both his past work and future academic capability. Which of the following characteristics of the ITBS is being questioned by this student?

Construct validity

Content validity

Predictive validity

Concurrent validity

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Question No: 7 (Marks: 1) - Please choose one

Internal consistency estimates of reliability such as the KR-20 or Cronbach's alpha are used more frequently than other estimates such as test-retest or parallel forms because internal consistency estimates; Are easily calculated.

Require only one administration of a test.

Are more accurate than all other types of estimates.

Are usually higher.

http://wps.prenhall.com/chet_airasian_edresearch_7/5/1489/381232.cw/index.html

Question No: 8 (Marks: 1) - Please choose one

Which of the following functions is performed by the Ordinal scale?

Categorize

Distance

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Unique origin

(page 53)

Question No: 9 (Marks: 1) - Please choose one

Which of the following is measured by the Interval scale?

Order of the object

Magnitude of the object

Categorize the object

All of the given options

Question No: 10 (Marks: 1) - Please choose one

Following are the properties of nominal scale, except;

Least powerful

Suggest no order

Provide categorical information

Provide magnitude of object

(page 53)

Question No: 11 (Marks: 1) - Please choose one

What is the difference between interval/ratio and ordinal variables?

Ordinal data can be rank ordered, but interval/ratio data cannot.

The distance between categories is equal across the range of interval/ratio data.

Interval/ratio variables contain only two categories.

Ordinal variables have a fixed zero point, whereas interval/ratio variables do not.

<http://www.oup.com/uk/orc/bin/9780199202959/01student/cqs/ch14/>

Question No: 12 (Marks: 1) - Please choose one

A study design in which the researcher might create _____ to establish cause-and-effect relationship is called Experimental Design.

An artificial setting, control some variables and manipulates the independent variable

A natural setting, control some variables and manipulates the dependent variables

An artificial setting, control some variables and manipulates the dependent variable

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(page 112)

Question No: 13 (Marks: 1) - Please choose one

Which of the following would LEAST likely be a data source for an action research study

of "teachers' questioning techniques in social studies classes"?

Student questionnaires

Videotaping of classes

Students' standardized test scores

Classroom observation

http://wps.prenhall.com/chet_airasian_edresearch_7/5/1490/381508.cw/index.html

Question No: 14 (Marks: 1) - Please choose one

Teachers are advised to predict the results of student attitudinal questionnaires, because;

It will help them decide if students answered truthfully.

It gives them a point of comparison against which to judge actual responses.

It will allow them to apply statistical procedures in analyzing results.

It helps them familiarize themselves with the questionnaires.

http://wps.prenhall.com/chet_airasian_edresearch_7/5/1490/381508.cw/index.html

Question No: 15 (Marks: 1) - Please choose one

Which of the following is an example of a question about normative standards and values?

How many workers are employed at this plant?

What is your attitude towards the management at this plant?

Do you always cast your vote in trade union elections?

Are you aware of the main features of the European Union Directive for informing and consulting employees?

<http://www.oup.com/uk/orc/bin/9780199284986/01student/cqs/ch10/>

Question No: 16 (Marks: 1) - Please choose one

Questions that include negatives should be avoided because:

The respondent may miss out the negative word.

stion includes a

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double negative.

The respondent may be led by the question.

All of the given options.

<http://www.oup.com/uk/orc/bin/9780199284986/01student/cqs/ch10/>

Question No: 17 (Marks: 1) - Please choose one

Random assignment to treatment groups is characteristic of which kind of research?

Causal-comparative

Correlational

Experimental

Descriptive

http://wps.prenhall.com/chet_airasian_edresearch_7/5/1491/381743.cw/index.html

Question No: 18 (Marks: 1) - Please choose one

Which of the following is likely to happen if clear instructions are not given as to how the respondent should answer the question?

Respondents may delete inappropriate answers rather than select appropriate ones.

Respondents may choose only one answer when they need to choose as many as apply.

Respondents may complete questions that are not relevant to them.

All of the given options.

<http://www.oup.com/uk/orc/bin/9780199284986/01student/cqs/ch09/>

Question No: 19 (Marks: 1) - Please choose one

Which of the following is NOT an example of a problem with using social survey research to investigate behaviour?

Respondents tend to answer by giving the most socially desirable answer.

Respondents may inadvertently omit key terms in the question.

Respondents may not give an honest reply to what they see as a threatening question.

Respondents may be unwilling to reveal information as they believe they are likely to be identified.

<http://www.oup.com/uk/orc/bin/9780199284986/01student/cqs/ch11/>

Question No: 20 (Marks: 1) - Please choose one

What is the main purpose of pilot testing?

—

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To identify respondent

To identify potential problems

To evaluate the research

purpose of pilot testing is to identify potential problems with the methods, logistics, and the questionnaire.

PAGE#80

Question No: 21 (Marks: 1) - Please choose one

Which of the following sampling strategies was used when the three students with the highest GPAs were selected?

Extreme case

Snowball

Maximum variation

Normal case.

http://wps.prenhall.com/chet_airasian_edresearch_7/5/1489/381384.cw/index.html
1

Question No: 22 (Marks: 1) - Please choose one

Which of the following best describes qualitative data analysis?

It begins after all the data has been collected.

It is an ongoing, cyclic process integrated into all phases of research.

It is an awkward, haphazard process.

It builds from abstraction to specific, concrete examples

http://wps.prenhall.com/chet_airasian_edresearch_8/38/9871/2527149.cw/content/index.html

Question No: 23 (Marks: 1) - Please choose one

Which of the following represents the most general conceptualization in qualitative data analysis?

Word

Topic

Category

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http://wps.prenhall.com/chet_airasian_edresearch_7/5/1490/381483.cw/index.html

Question No: 24 (Marks: 1) - Please choose one

The control procedure that allows the researcher to determine the effect of the independent variable and the control variable on the dependent variable both separately and in combination is;

Analysis of covariance

Matching

Forming subgroups to represent all levels of the control variable

Randomization

http://wps.prenhall.com/chet_airasian_edresearch_7/5/1491/381796.cw/index.html

Question No: 25 (Marks: 1) - Please choose one

Which of the following could NOT be a cause of variation in high school achievement?

Reading ability

Parental involvement

Teacher expectations

College attendance

http://wps.prenhall.com/chet_airasian_edresearch_7/5/1491/381743.cw/index.html

Question No: 26 (Marks: 1) - Please choose one

In experimental research, what does a researcher manipulate?

At least one dependent variable

All variables

At least one independent variable

At least one independent variable and one dependent variable

<http://www.researchconnections.org/childcare/datamethods/experimentsquasi.jsp?sessionId=8033E8BB02D45133662993CA48384870>

http://books.google.com.pk/books?id=j09b2rTVRsAC&pg=PA20&lpg=PA20&dq=In+experimental+research,+what+does+a+researcher+manipulate%3F+At+least+one+dependent+variable+All+variables+At+least+one+independent+variable+At+least+one+independent+variable+and+one+dependent+variable&source=bl&ots=noOlcPh4to&sig=LhpCUWqO49uOTgxWrXUVC6ji=book_result&ct

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[=result&resnum=3&ved=0CCMQ6AEwAg#v=onepage&q&f=false](#)

Question No: 27 (Marks: 1) - Please choose one

In an experimental study, "the effects of inclusion on academic self-concept of children with special needs", the researcher must control which of the following?

The selection of subjects but not their assignment to a treatment group.

The selection and assignment of subjects.

The assignment of subjects to a treatment group but not their selection.

Neither the selection nor assignment of subjects.

http://wps.prenhall.com/chet_airasian_edresearch_7/5/1491/381820.cw/index.html

Question No: 28 (Marks: 1) - Please choose one

Ecological validity refers to:

The participants to whom results generalize

The instruments used to measure the independent and dependent variables

The internal validity of a study

The context to which results generalize.

http://wps.prenhall.com/chet_airasian_edresearch_7/5/1491/381820.cw/index.html

Question No: 29 (Marks: 1) - Please choose one

Many beginner researchers believe that research involves testing, treating, and testing again . This is an example of:

Comparison group research

Quasi-experimental research

True experimental research

Pre-experimental research

http://wps.prenhall.com/chet_airasian_edresearch_7/5/1491/381820.cw/index.html

Question No: 30 (Marks: 1) - Please choose one

Single-subject research is LEAST concerned with:

Clinical significance

Internal validity

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External validity

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[28c73b339](#)

Systematic sampling

- Simple or stratified in nature
- Systematic in the “picking-up” of element. E.g. every 5th. visitor, every 10th. House, every 15th. minute
- Steps:

- * Number the population (1,...,N)
- * Decide on the sample size, n
- * Decide on the interval size, $k = N/n$
- * Select an integer between 1 and k
- * Take case for every kth. unit

Question No: 34 (Marks: 1) - Please choose one

A focus group session is ideally for;

1 hour

1 and half hour

2 hours

More than 2 hours

Page No.155 : For duration, a focus group session typically lasts up to an hour and a half. Generally the first session with a particular type of group is longer than the following ones because all of the information is new.

Question No: 35 (Marks: 1) - Please choose one

In an experimental research study, the primary goal is to isolate and identify the effect produced by which of the following?

Dependent variable

Extraneous variable

Independent variable

Confounding variable

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Question No: 36 (Marks: 1) - Please choose one

Which of the following is the process of identifying and classifying each item and giving labels to each category?

Accretion

Count Behaviors

Intensity

Coding

The process of identifying and classifying each item and giving labels to each category. Later on each category may be assigned a numerical value for its entry into the computer. In content analysis one can look at the manifest coding and latent coding.

Question No: 37 (Marks: 1) - Please choose one

When do largest percentages form a pattern across cells?

If there is no relationship

If there is non linear relationship

If there is curvilinear relationship

If there is linear relationship

Page No. 107 : If there is curvilinear relationship, the largest percentages form a pattern across cells. For example, the largest cells might be the upper right, the bottom middle, and the upper left.

Question No: 38 (Marks: 1) - Please choose one

Which of the following elements is/are not included for structuring

Observation in Non reactive research?

Frequency

Intensity

Direction

Accretion

(page 126

Question No: 39 (Marks: 1) - Please choose one

A census taker often collects data through which of the following?

Standardized tests

Interviews

Secondary data

Observations

<http://www.scribd.com/doc/22683412/Lecture-Notes-Research-Chaper-1-9>

Question No: 40 (Marks: 1) - Please choose one

What is the particular advantage of secondary analysis to business

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It is less challenging intellectually

It guarantees positive results

It is less expensive and less time consuming than primary analysis

It enables students to gain experience of the workplace

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