

RSCH-121 Research in Daily Life 2 (2nd Quarter)

RSCH-121 / ► Week 11: Understanding Data and Ways to Systematically Collect Data / ► Learning Activity 019

You want to know if the Apple Cider Vinegar effective or not effective.

Answer: Experimental Research

You want to know the Number of Faculty Members

Answer: Survey Research

You want to know the effect of Manga leaves to your skin diseases

Answer: Experimental Research

You want to know who is better Section A or Section B.

Answer: Survey Research

You want to explore who is dominant Doctor of Philosophy or Doctor of Education.

Answer: Survey Research

You want know what is effective in skin diseases Orange or Mango.

Answer: Experimental Research

You want to know who is better in learning public or private.

Answer: Survey Research

You want to know what school in the city offering quality education.

Answer: Survey Research

You want to know who is stronger Male or Female.

Answer: Survey Research

You want to know what is effective Duhat Leaves or Santol Leaves in curing stomach ache.

Answer: Experimental Research

RSCH-121 / ► Week 11: Understanding Data and Ways to Systematically Collect Data / ► Learning Activity 020

It is the characteristics of quantitative research that the **DATA** is usually gathered using structured research **INSTRUMENT**

It is the characteristics of quantitative research that the results are **BASED** on larger sample sizes that are representative of the **POPULATION**

It is the characteristics of quantitative research that the research study can usually be replicated or **REPEATED** given its high **RELIABILITY**

It is the characteristics of quantitative research that the researcher has a **CLEARLY** defined research question to which **OBJECTIVE** answers are sought

It is the characteristics of quantitative research that all aspects of the study are carefully **DESIGNED** before data is **COLLECTED**

RSCH-121 / ► Week 11: Understanding Data and Ways to Systematically Collect Data / ► Short Quiz 008

You want to know what university in the country offering quality education.

Answer: Survey Research

You want to know if the Banaba Juice is effective or not effective. In curing internal diseases.

Answer: Experimental Research

You want to know who is stronger Girl or Boy

Answer: Survey Research

You want to know who is better in learning section 1 or section 2.

Answer: Survey Research

You want know what is effective in skin diseases Grapes or Strawberry.

Answer: Experimental Research

You want to know the effect of Guava leaves to your skin diseases

Answer: Experimental Research

You want to know what is effective Kalamansi Leaves or Lagundi Leaves in curing stomach ache.

Answer: Experimental Research

You want to know who is better Section Narra or Section Santol

Answer: Survey Research

You want to know the Number of Students in San Jose NHS.

Answer: Survey Research

You want to explore who is dominant graduate of BSSED or BEED.

Answer: Survey Research

RSCH-121 / ► Week 12: Nature of the Study / ► Learning Activity 021

You want to know the positive behavior of seven years old Manny.

Answer: Observational Research

You want to know the effect of drinking too much beer to the urinary tract infection.

Answer: Correlational Research

You want to know the ethnographic of Zimbabwe origins

Answer: Observational Research

You want to know case of 6 years old boy named Joshua.

Answer: Observational Research

You want to know whether the boy Ethan can walk at 5 years of age.

Answer: Observational Research

You want to know the ethological study of primate behaviour in the wild.

Answer: Observational Research

You want to know the origin and traditions of Eskimo Boy named Raphael.

Answer: Observational Research

You want to know the researches about cigarette smoking examine the conversation cigarette smoking and a variety of lung diseases

Answer: Correlational Research

You want to know the effect of drinking alcohol and variety of kidney diseases

Answer: Correlational Research

You want to know the number of receptors on the postsynaptic neuron that has been found to be increased in depression.

Answer: Correlational Research

RSCH-121 / ► Week 12: Nature of the Study / ► Learning Activity 022

What kind of sampling if your sample is every 21st of the participants from the 1800 participants in the training seminar?

Answer: Systematic Sampling

What kind of sampling if your sample is every 2nd of the participants from 1-100?

Answer: Systematic Sampling

What kind of sampling if your sample is Professor IV from the Universities in the Region IV A?

Answer: Stratified Sampling

What kind of sampling if your sample is religious affiliation from each of the fifty states?

Answer: Stratified Sampling

What kind of sampling if your strata were gender, you would sample both men and women?

Answer: Stratified Sampling

What kind of sampling if your strata were individual manager in the Business World of Makati, you would randomly select perhaps 150 managers and interview them about their success in life?

Answer: Cluster Sampling

RSCH-121 / ► Week 12: Nature of the Study / ► Short Quiz 009

What kind of sampling if your sample is every 4th of the participants from 1-500?

Answer: Systematic Sampling

What kind of sampling you were going to use if your sample is every 18th child in the 1500 children in a single row?

Answer: Systematic Sampling

What kind of sampling if your sample is doctorate degree holder from the 20 Divisions in the NCR?

Answer: Stratified Sampling

What kind of sampling if your sample is member of the club and organizations from each of the fifty cities in the Philippines?

Answer: Stratified Sampling

What kind of sampling if your strata were sex, you would sample both boy and girl?

Answer: Stratified Sampling

What kind of sampling if your list was the phone book, it would be easiest to start at perhaps the 8th person, and then select every 150th person from that point on?

Answer: Systematic Sampling

What kind of sampling if your sample is Professor I from the Universities in the Region IV A?

Answer: Stratified Sampling

What kind of sampling if your sample is every 22nd of the participants from the 1900 participants in the training seminar?

Answer: Systematic Sampling

What kind of sampling if your strata were individual school in the Division of Rizal, you would randomly select perhaps 35 schools and test all of the students within those schools?

Answer: Cluster Sampling

What kind of sampling if your strata were individual supervisor in the Tiger City of Mandaluyong, you would randomly select perhaps 250 supervisors and interview them about their success in life?

Answer: Cluster Sampling

RSCH-121 / ► Week 13: Research Instruments / ► Learning Activity 023

120 and 160

Answer: 40

15 and 35

Answer: 20

100 and 125

Answer: 25

126 and 129

Answer: 3

2 and 12

Answer: 10

RSCH-121 / ► Week 13: Research Instruments / ► Learning Activity 024

Academic Level and Age

Answer: YES

Family Income and Family Status

Answer: NO

Pencil and Ball pen

Answer: NO

Academic Grades and Academic Achievements

Answer: YES

Tardiness and Economic Status

Answer: YES

Height and Weight

Answer: YES

Educational Qualification and Teaching Style

Answer: YES

Academic Rank and Salary Grade

Answer: YES

English and Mathematics

Answer: NO

Father and Mother

Answer: NO

RSCH-121 / ► Week 13: Research Instruments / ► Short Quiz 010

15 and 17

Answer: 2

211 and 219

Answer: 8

12 and 127

Answer: 115

500 and 625

Answer: 125

10 and 20

Answer: 10

420 and 960

Answer: 540

426 and 429

Answer: 3

213 and 314

Answer: 101

105 and 305

Answer: 200

40 and 70

Answer: 30

RSCH-121 / ► Week 14: Finding Answers through Data Collection / ► Learning Activity 025

Using the baking soda in cleaning the comfort room

Answer: Interviews

Asking the clients which is better Cloud phone or Samsung

Answer: Experiments

Cooking the banana leaves to cure foot disease

Answer: Interviews

Examine the blood type of Grade 6 pupils

Answer: Experiments

Asking the teachers which method of teaching is effective.

Answer: Experiments

Listing the response of the manager which is advantage credit card or cash

Answer: Experiments

Examine the grade of the Grade 3 pupils

Answer: Experiments

Distributing the checklist on the favorite bag of the Grade 2 pupils

Answer: Interviews

Classifying the oregano leaves to produce vitamin C.

Answer: Experiments

Cleaning the banana leaves to use in the cooking for preventing skin diseases

Answer: Interviews

RSCH-121 / ► Week 14: Finding Answers through Data Collection / ► Learning Activity 026

Fruit and tree questionnaire

Answer: No

Web based questionnaire

Answer: Yes

This is the group that receives the experiment treatment. Manipulation, or is different from the control group on the variable under study.

Answer: Experimental or Treatment Group

In this sampling we take a random sample of strata and then survey every member of the group

Answer: Cluster sampling

It is very important when conducting survey research that you work with statisticians and field service agents who are reputable.

Answer: True

This refers to the entire group of individuals or objects to which researchers are interested in generalizing the conclusions.

Answer: Target Population

This research is often thought of as laboratory study. It is also defined as an experiment conducted where an effort is made to impose control over all other variables except the one under study.

Answer: TRUE Experiment

In this scale it is used numeric scales in which we know not only the order, but also the exact differences between the values.

Answer: Interval Scale

It is kind of research that though questions may be posed in the other forms of research and that is guided by a hypothesis

Answer: Experimental Research

It involves collecting or adding to the data holdings.

Answer: Acquiring data

Quantitative research focuses on gathering numerical data and generalizing it across groups of people or to explain a particular phenomenon.

Answer: True

In this scale it is used for labeling variables, without any quantitative value. It is also called labels.

Answer: Nominal Scale

It is kind of research that though questions may be posed in the other forms of research and that is guided by a hypothesis.

Answer: Experimental Research

RSCH-121 / ► Week 16: Validity of Measurement and Reliability / ► Learning Activity 029

VALIDITY means that a tool **MEASURES** what is set out to measure.

INTERNAL and **EXTERNAL** validity relates to the over-all study design.

INTERNAL validity relates to the extent to which the design of a **RESEARCH** study.

EXTERNAL validity relates to whether or not research findings can be generalized beyond the immediate study and sample **SETTING**.

FACE validity is a simple form of **CONTENT** validity.

RSCH-121 / ► Week 16: Validity of Measurement and Reliability / ► Learning Activity 030

The reliability of two tests constructed the same way, from the same content is test-retest reliability.

Answer: No

The consistency of a measure evaluated over time is what you called observer reliability.

Answer: No

A more rigorous way to assess content validity is to ask recognized experts in the area to give their opinion on the validity of the tool.

Answer: Yes

Criterion validity is usually measured using content coefficient.

Answer: No

Validity can be thought as consistency.

Answer: No

Concurrent validity uses an already existing and well accepted measure against which the new measures can be compared.

Answer: Yes

Concurrent or predictive validity are both measures of construct validity.

Answer: No

The consistency of results across items often measures with Cronbach's Alpha.

Answer: Yes

Construct validity is usually measured using correlation coefficient.

Answer: Yes

When the correlation is high, the tool can be considered valid.

Answer: Yes

RSCH-121 / ► Week 16: Validity of Measurement and Reliability / ► Short Quiz 012

The consistency of results across items often measures with Cronbach's Alpha.

Answer: True

Concurrent or predictive validity are both measures of construct validity.

Answer: False

The consistency of a measure evaluated over time is what you called observer reliability.

Answer: False

Concurrent validity uses an already existing and well accepted measure against which the new measures can be compared.

Answer: True

Validity can be thought as consistency.

Answer: False

Construct validity is usually measured using correlation coefficient.

Answer: True

A more rigorous way to assess content validity is to ask recognized experts in the area to give their opinion on the validity of the tool.

Answer: True

When the correlation is high, the tool can be considered valid.

Answer: True

The reliability of two tests constructed the same way, from the same content is test-retest reliability.

Answer: False

Criterion validity is usually measured using content coefficient.

Answer: False

RSCH-121 / ► Week 17: Measures of Central Tendency / ► Learning Activity 031

Solve the mean of the following set of give numbers. Type your answer in the space provided.

12 79 59 87 43

Answer: 56

Solve the mean of the following set of give numbers. Type your answer in the space provided.

160 780 540 820 400

Answer: 540

Solve the mean of the following set of give numbers. Type your answer in the space provided.

15 75 55 85 45

Answer: 55

Solve the mean of the following set of give numbers. Type your answer in the space provided.

162 788 514 812 404

Answer: 536

Solve the mean of the following set of give numbers. Type your answer in the space provided.

16 78 54 82 40

Answer: 54

Solve the mean of the following set of give numbers. Type your answer in the space provided.

165 785 545 825 415

Answer: 562

Solve the mean of the following set of give numbers. Type your answer in the space provided.

10 70 50 80 40

Answer: 50

Solve the mean of the following set of give numbers. Type your answer in the space provided.

166 788 544 822 490

Answer: 556

Solve the mean of the following set of give numbers. Type your answer in the space provided.

106 708 504 802 400

Answer: 504

Solve the mean of the following set of give numbers. Type your answer in the space provided.

13 77 56 84 90

Answer: 64

RSCH-121 / ► Week 17: Measures of Central Tendency / ► Learning Activity 032

Identify the mode on the following set of numbers.

165 765 545 165 415

Answer: 165

Identify the mode on the following set of numbers.

160 160 540 820 406

Answer: 160

Identify the mode on the following set of numbers.

112 112 519 112 519

Answer: 112

In this scale are the ultimate nirvana when it comes to measurement scales because they tell us about the order, they tell us the exact value between units.

Answer: Ratio Scale

This reliability the reliability of two tests constructed the same way, from the same content.

Answer: Parallel-Forms Reliability

A score on a well-constructed test is believed to reflect a psychological construct such as achievement in a school subject, cognitive ability, aptitude, emotional functioning, personality, etc.

Answer: True

Recommendations are not based on important results and conclusions.

Answer: False

This is the population in research to which the researchers can apply their conclusions.

Answer: Accessible Population

The specific questions should follow the order they are given under the statement of the problem.

Answer: True

In this scale it is the order of the values is what is important and significant but the differences between each one is not really known.

Answer: Ordinal Scale

Solve the mean of the following set of give numbers. Type your answer in the space provided.

15 75 55 85 45

Answer: 55

One of the general guideline in reporting and writing the data analysis and interpretation is an introductory paragraph is provided at the start of the chapter.

Answer: True

For experimental or scientific researches, an operational procedure of the experiment should be presented in which can be supported by a flow chart for clarity.

Answer: True

It is the midpoint of a distribution.

Answer: Median

It refers to an ANOVA using 2 independent variable.

Answer: Two-Way ANOVA

You want to know who is better in learning section 1 or section 2.

Answer: Survey Research

In this scale it is used numeric scales in which we know not only the order, but also the exact differences between the values.

Answer: Interval Scale

The consistency of results across items often measures with Cronbach's Alpha.

Answer: True

What kind of sampling if your sample is every 21st of the participants from the 1800 participants in the training seminar?

Answer: Systematic Sampling

Solve the mean of the following set of five numbers. Type your answer in the space provided.

106 708 504 802 400

Answer: 504

15 and 35

Answer: 20

What kind of sampling if your sample is religious affiliation from each of the fifty states?

Answer: Stratified Sampling

What kind of sampling if your strata were individual schools in the Division of Antipolo City, you would randomly select perhaps 20 schools and test all of the students within those schools?

Answer: Cluster Sampling

This research may include case studies, ethnographic studies, ethological studies whose primary characteristics are being observed or recorded.

Answer: Observational Research

This is the group that receives the experiment treatment. Manipulation, or is different from the control group on the variable under study.

Answer: Experimental or Treatment Group

One of the general guidelines in reporting and writing the data analysis and interpretation is the tables and figures should be in continuous numbering. It should be presented first before discussion. Enclosed tables with double line on top should be used. Graphs should be colored.

Answer: True

It is true experiments but use naturally formed or pre-existing groups.

Answer: Quasi-Experiment

It is a subject that has an equal probability of being selected for either the treatment or control group

Answer: Random Assignment

Correlational research involves comparative. In this research the study of two or more groups is done without focusing on their relationship.

Answer: False

What kind of sampling if your sample is doctorate degree holder from the 20 Divisions in the NCR?

Answer: Stratified Sampling

You want to explore who is dominant graduate of BSSED or BEED.

Answer: Survey Research

What kind of sampling you were going to use if your sample is every 20th child in the 1000 children in a single row?

Answer: Systematic Sampling

You want to know who is better Section Narra or Section Santol

Answer: Survey Research

Casual-comparative research is the bedrock of most sciences most specifically natural sciences.

Answer: True

Saves the interviewer from carrying around hundreds of questionnaires

Answer: True

A descriptive study establishes only associations between variables; an experimental study establishes causality.

Answer: True

Tables and figures should not be in continuous numbering. It should be presented first before discussion. Enclosed tables with double line on top should be used. Graphs should be colored.

Answer: False

This reliability the degree to which different raters/observers give consistent answers or estimates.

Answer: Inter-Rater/Observer Reliability

It is more structured method than in qualitative research compare to quantitative research.

Answer: Interview Method