



Republic of the Philippines
Department of Education
REGION III
SCHOOLS DIVISION OFFICE OF NUEVA ECIJA

LEARNING ACTIVITY SHEET
SPECIAL PROGRAM IN ICT 10
INFORMATION SYSTEM AND RESEARCH 10

First Quarter, Week 7

Name of Learner: _____

Grade Level /Section: _____ Date: _____

Quantitative VS Qualitative Research

BACKGROUND INFORMATION

Quantitative Research

Quantitative research aims to generalize the occurrence of a phenomenon by systematically evaluating information through summarizing of data into meaningful information of drawing or drawing conclusions from sample data into meaningful information about the objects being studied usually in the forms of numbers.

Qualitative Research

Qualitative research is an inquiry based on information derived from understanding of the behaviour of people and institutions, their values, rituals, symbols, beliefs, emotions presented in the form of words directly obtained from the person studied

COMPARISON BETWEEN QUALITATIVE AND QUANTITATIVE RESEARCH

QUALITATIVE RESEARCH	QUANTITATIVE RESEARCH
The aim is complete detailed description of the topic. The counting and classifying features and constructing statistical models and figures to explain what is observed	The aim is an accurate, reliable explanation by
Exploratory type of research	Conclusive type of research
To uncover prevalent trends in thought and opinion in a chosen sample	To measure the incidence of various views and
Used when the researcher has no or very little idea of what he/she is looking for.	Used when the researcher knows clearly in advance what he/she is looking for.

Used during earlier phases of research projects to provide insights into the setting of the problem, generating ideas and/ or hypotheses for later quantitative research.	Sometimes followed by qualitative research which is used during latter phases of research projects for further explorations
The design starts out quite loose and emerges as the study unfolds	All aspects of the study are carefully designed before data are collected.
Researcher is the data gathering instrument.	Researcher uses tools, such as questionnaires, surveys, measurements, tests, rating scale and other tools to collect measurable or numerical data.
Data-gathering strategies include individual in-depth interviews, structured and non-structured interviews, focus groups narratives, content or documentary analysis, participant observation and archival research.	
Data are in the form of words, images or objects.	Data are in the form of numbers, statistics and measurements.
Non-statistical	Statistical data is usually in the form of tabulations (tabs). Findings are conclusive and usually descriptive in nature
Qualitative data is more “rich” time consuming and less able to be generalized	Quantitative data is more efficient, able to test hypotheses, but may miss contextual detail
Results may be influenced by the researcher.	Objective
Seeks precise measurement and analysis of the target concepts.	
Usually a small number of non- representative cases. Respondents are selected to fulfil a given quota.	Usually a large number of cases representing the population of interest. Randomly selected respondents.
Exploratory and/or investigative.	Used to recommend a final course of action.
Findings are not conclusive and cannot be used to make generalization about the population of interest. Develop an initial understanding and sound base for further decision making.	

LEARNING COMPETENCY

Differentiate Quantitative and Qualitative Research

ACTIVITIES

ACTIVITY 1

Directions: Distinguish what Research Design is characterized by the following statements. Write QN for Quantitative Research and QL for Qualitative Research on the space provided.

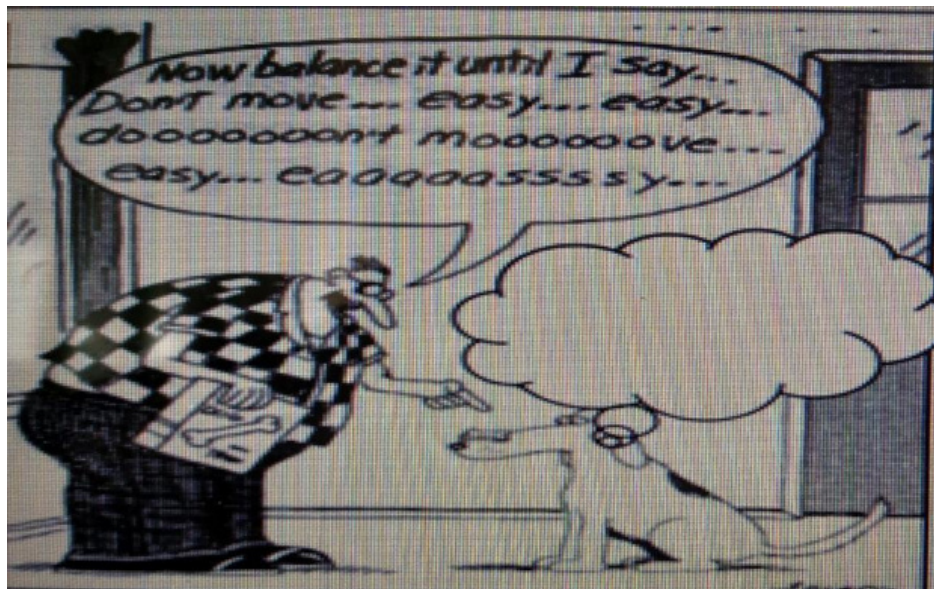
_____ 1. The design starts out quite loose and emerges as the study unfolds

_____ 2. Usually represent a large number of cases representing the population of interest

- _____ 3. It is a conclusive type of research.
- _____ 4. It is an exploratory type of research.
- _____ 5. All aspects of the study are carefully designed before data is collected.
- _____ 6. The aim is a complete detailed description of the topic.
- _____ 7. Develop an initial understanding and sound base for further decision making.
- _____ 8. Data is in the form of words, images or objects.
- _____ 9. The aim is an accurate, reliable explanation by counting and classifying features and constructing statistical models and figures to explain what is observed.
- _____ 10. Data is more “rich”, time consuming and less able to be generalized.
- _____ 11. It is used to recommend a final course of action.
- _____ 12. Respondents are selected to fulfil a given quota
- _____ 13. To gain understanding of underlying reasons and motivations.
- _____ 14. Results may be influenced by the researcher.
- _____ 15. To measure the incidence of various views and opinions in a chosen sample.

ACTIVITY 2

Directions Use the cartoon to answer the question below.



1. Make your own Quantitative observation

2. Make your own Qualitative Observation

REFLECTION:

How can you relate qualitative and quantitative in your life?

REFERENCEs:

Anacin et.al. (2018), Practical Research to Research/Capstone Project.pp.5-11

<https://middleschoolscience.com/2017/09/18/qualitative-vs-quantitative-worksheet/>

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