



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 4

Name of Learner: _____

Grade Level /Section: _____ Date: _____

Types of Research

BACKGROUND INFORMATION

Triangulation refers to the use of more than one approach to the investigation of a research question in order to enhance confidence in ensuing findings.

It involves using multiple data sources in an investigation to produce understanding.

Others see it as a method for corroborating findings and as a test for validity of research through the use of a variety of methods to collect data about the same topic.

Researchers use this technique to ensure that an account is rich, robust, comprehensive and well-developed.

Mixed method research is a procedure for collecting, analyzing, and “Mixing” both quantitative and qualitative research in a single study to understand a research problem.

We use mixed method research when both quantitative and qualitative data, together, provide a better understanding of a research problem than either by itself.

The types mixed method research design are the following:

1. Convergent – Analyzes the two data sets separately
2. Explanatory Sequential – Begins with collecting and analyzing quantitative data, then does the same for the qualitative data as follow up for quantitative data.
3. Exploratory – Collects and analyzes qualitative data first followed by quantitative data. Analyzes qualitative data and uses to results to build to subsequent quantitative phase.
4. Embedded – Collects and analyzes quantitative and qualitative data within a quantitative research design, qualitative research design, or research procedure.

LEARNING COMPETENCY

Recognize triangulation and mixed method as types of research

ACTIVITIES

ACTIVITY 1

Directions: Search for the words in the box that are related to the definition of Triangulation

EvidenceCollectionDataSources
QuestionApproachExplainStandpoint
InvestigationResearch

D	Y	N	Z	V	E	B	S	R	C	N	X	B	C	J
A	C	X	H	S	C	W	E	O	P	S	P	G	I	Y
P	J	D	L	J	N	S	D	S	U	X	U	F	X	O
P	M	B	I	Z	E	U	B	E	W	R	B	L	Z	M
R	W	J	W	A	D	H	M	R	Q	A	C	M	X	S
O	G	D	R	H	I	L	X	P	J	C	G	E	T	Q
A	M	C	Q	O	V	J	D	U	O	E	U	A	S	C
C	H	T	E	T	E	S	Z	L	Q	L	N	G	Y	M
H	O	S	X	B	N	Y	L	F	T	D	I	F	H	B
K	T	F	P	D	P	E	N	Z	P	E	R	V	P	G
Y	V	W	L	A	C	R	A	O	R	N	H	F	L	Y
N	S	E	A	T	L	F	I	X	W	D	A	E	B	Q
C	P	F	I	A	S	N	Q	U	E	S	T	I	O	N
T	W	O	N	P	T	Z	O	M	W	R	P	E	T	X
I	N	I	N	V	E	S	T	I	G	A	T	I	O	N

ACTIVITY 2

Directions: MODIFIED TRUE OR FALSE: Write **True**, if the underline word/s are true and if it is a false, **CHANGE** the underline word/s to make the statement true.

1. Mixed Method Research is a research approach whereby researchers collect and analyze both quantitative and qualitative data within the same study.
2. Convergent design analyzes two data sets individually
3. Explanatory design of MMR, collects and analyzes quantitative and qualitative data within a quantitative research design, qualitative research design, or research procedure.

4. Exploratory – Collects and analyzes quantitative data first followed by qualitative data.
5. Explanatory Sequential – Begins with collecting and analyzing quantitative data, then does the same for the qualitative data as follow up for quantitative data.
6. Mixed Method Research uses both quantitative and qualitative data.
7. Mixed Method Research is a procedure for collecting, analyzing, and “Mixing” both quantitative and qualitative research in multiple study to understand a research problem.
8. Exploratory – Collects and analyzes qualitative data first followed by quantitative data. Analyzes qualitative data and uses to results to build to latter quantitative phase.

REFLECTION

How do triangulation and mixed method help you in solve a question in research?

REFERENCES:

<https://www.scribd.com/document/236897280/Triangulation>

<https://www.slideshare.net/VukaniNdlovu/triangulation-75304604>

https://education.nova.edu/Resources/uploads/app/35/files/arc_doc/mixed_methods.pdf

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