Types of variables :

Variables may be sither qualitation or quantitative.

Qualitative moriable:

Qualitative variable.

is not possible.

Example: Hair colore (brown black white:

religion (Muslim Itindu-Christian et

Quantitative variable :

Quantitative variable.

is one for which numerical measurement is possible.

Example: Height, weights family roige.

These variables in a study may be of different nature and they may represent some attributes, characteristics or key tactors of interest these variables and be measured under four levels or scales of measurement.

1 Nominal reale:

The measurement scale, in which numbers are assigned to the categories or variable values for identification only in called a nominal reale.

. 2 Ordinal scale:

in which numbers are assigned to the eategonies or variable values for identification as well as ranking is eatled an ordinal scale.

3 Interval scale:

in which numbers are assigned to the variable values in such a way that the variable values in such a way that the level of of measurement is broken down on a reade of equal units and the zono on a reade of equal units and the zono value on the scale is not absolutely value on the scale is not absolutely value on the scale is not absolutely

(4) Ratio seale :

which numbers are arrighted to the variable values in such a way that the lovel of measurement is broken down on a reals.

of equal units and the zero value on the seale is absolutely zero, is called a ratio scale.

A comparison of the four lends of monouncounts

		_	4
lovels	Arithmetic	Fontunes	Examples
Nominal	Counting	1. Catogonise	Religion, Sux of sold just- eyo colour
Ordinal	Counting Ranking	1. Categorisa 2. Ranko	Economic Status
Intereval	Counting Panking Addition	1 · catagorise. 2 · Ranko 3 · Hus paval	I. A Score, Temperature
Patio	Subtraction Counting Panking Addition Subtraction Multiplication	unita	family size Height - weight ate.
	pinision	zeno	

BIRPERT and some other NGC s