



MAHATMA GANDHI CENTRAL UNIVERSITY, BIHAR

(A Central University Established by an Act of Parliament)

Gandhi Bhawan, Bankat, Motihari, District – East Champaran, Bihar – 845 401

E-Vimarsh (Online lecture series)

Course- GPS6001 (Research Methodology)

Classification

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Meaning of Classification

- Classification means to divide the data into a homogenous group.
- The collected data can be classified according to their characteristics.
- Generally, in classification of data units having a common characteristics are placed in one class

Connor

“The process of arranging things in groups or classes according to their resemblances and affinities and gives expression to the unity of attributes that may subsist amongst a diversity of individuals” (वर्गीकरण तथ्यों को उनकी समानता और निकटता के आधार पर समूहों तथा वर्गों को क्रमबद्ध करने तथा व्यक्तियों में पायी जाने वाली विभिन्नता में विद्यमान एकता को अभिव्यक्ति देने वाली प्रक्रिया है)

- Some examples

Gender, Age, Location, type of work,
income etc.

In classification of data unites having a common characteristics are placed in on class and similarly the whole data are divided into a number of classes there after it is tabulated.

Types of classification

1. Qualitative Classification
2. Quantitative Classification
3. Chronological Classification
4. Geographical Classification

Qualitative Classification

Classification according to characteristics/attributes/features which can not be represented in numbers. For example- Gender, Education, Religion etc.

Universities in Bihar

S. N.	Type of University	Number of University
1	Central University	04
2	State University	19
3	Deemed University	01
4	Private University	07
	Total	31

Quantitative Classification

This kind of classification is based on figures/numbers.

For example- classification on the basis of age, temperature, income etc.

Numbers of universities according to Enrolment

Sn.	Enrolment	No. of Universities
1	Below 1000	3
2	1000-2000	5
3	2000-3000	10
4	4000-5000	6
5	5000 and above	7

Chronological Classification

In the chronological classification data are observed over a period of time. Such series are also known as time series.

Increase of students in a school in last five years

Sn.	Year	No. of students increased
1	2015	50
2	2016	116
3	2017	170
4	2018	250
5	2019	360

Geographical Classification

This classification is based on the Geographical Location, for example- states/ cities/zones etc.

Sn.	States	Yield of food-grains in (kg/acre)
1	Uttarakhand	36.8
2	Uttar Pradesh	36.9
3	Bihar	34.5
4	M.P.	34.2

Primary rules of Classification

- The number of classes should not be excessive.
- There should not be any ambiguity in the definition of classes.
- All the classes should preferably have equal width or length.
- Magnitude of the class intervals should be as far as possible in multiples of 5 like 10, 15, 20, 25 etc.
- The class intervals should as far as possible is of equal size.
- vii. The classification should be flexible and items included in each class must be homogeneous.

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Thank You



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