



QUANTITATIVE METHODS

MODULE CODE: BIT 125



WELCOME



DEEPAK BASTOLA

LECTURER

TEXAS COLLEGE MANAGEMENT AND IT

COURSE CONTENTS



CHAPTER 01

NATURE AND SCOPE OF STATISTICS

- ☐ Definitions of statistics
- ☐ Descriptive and inferential statistics
- ☐ Scope of statistics
- ☐ Limitations and distrusts of statistics

3 Lecture Hours

What is Statistics?









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ORIGIN OF STATISTICS

The word 'STATISTICS' have been derived from the Latin word 'STATUS' or the Italian word 'STATISTA' or the German word 'STATISTIK' each of which means a 'POLITICAL STATE'.

Sir Ronald A Fisher (1890 – 1962)

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MEANING OF STATISTICS

The word 'STATISTIC' is used to refer to

- Numerical facts, such as the number of people living in particular place.
- The study of ways of collecting, analyzing and interpreting the facts.

Statistics is concerned with scientific methods for

- Collecting
- Organizing
- Summarizing
- Presenting and analyzing data
- As well as deriving valid conclusions and making reasonable decisions on the basis of the analysis.

DEFINITION



Daniel J. Cowden



John Croxton

STATISTICS may be
defined as the collection,
presentation, analysis and
interpretation of
numerical data.

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DATA

Facts or figures from which conclusions can be drawn.

Eg:- the daily number of infected people by COVID - 19

Collection of data refers to the gathering of information or data.

Organization or presentation of data involves summarizing data or information in textual, graphical, or tabular forms.

Analysis of data involves describing the data by using statistical methods and procedures.

Interpretation of data refers to the process of making conclusions based on the analyzed data.

THANK YOU !

