

ELECTIVE V - RESEARCH METHODOLOGY

Objectives: The topic is intended to provide an adequate knowledge about research methods to help them in research work settings whenever survey design and secondary data analysis is involved in the health system.

Unit-1

Research methods - meaning - types - objectives - nature - scope. Scientific research - role of theory in research - research problem - concepts - formulation - identification - selection of research problems in management.

Unit-2

Hypothesis - testing of hypothesis bias. Research design in medical research - types - descriptive - experimental - exploratory. ecological - cohort - action research - case control.

Unit-3

Methods of data collection - source - methods - tools - observation - personal interviews - interview schedule. Sampling - concepts - advantages - limitations - types.

Unit-4

Data processing and analysis - problems - types of analysis - inference - planning - evolution.

Unit-5

Research report - introduction - types - contents of report - steps in drafting reports

References

Sarantakos: Social Research, Macmillan Press., Australia.

Festinger and Katz: Social Research, Long man., London

Jathoda Marie et al: Research methods in Social Relations., Free Press., New York.

Kothari C.R.: Research methodology - Methods and techniques. Wiley Eastern Limited., Delhi.

Goode and Hatt: Research Methods in Social Sciences.