

Research Methods for Public Health

Lecture 2

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Research Methodology

- **Research Process**

Research process consists of steps necessary to effectively carry out the research.

Research Methodology

- **Research Process**

The steps of research process are the following:-

1- Formulating the Research Process

The researcher must decide the general area of interest of research and then research problem should be formulated.

Research Methodology

- **Research Process**

The steps of research process are the following:-

2- Extensive Literature Survey

Once the problem is formulated the researcher should undertake extensive literature survey connected with the problem.

Research Methodology

- **Research Process**

The steps of research process are the following:-

3- Development of Working Hypothesis

After extensive literature survey, researcher should state in clear terms the working hypothesis.

Research Methodology

- **Research Process**

The steps of research process are the following:-

4- Preparing the Research Design

After framing hypothesis we have to prepare a research design i.e.

The conceptual structure of research would be conducted.

Research Methodology

- **Research Process**

The steps of research process are the following:-

5- Determining Sample Design

A sample design is a plan determined before any data is actually collected for obtaining a sample from a given population.

Research Methodology

- **Research Process**

The steps of research process are the following:-

6- Collecting the Data

Through personal interview, ☐ Through telephonic interviews,

☐ By mailing of questionnaires or ☐ Through schedules.

Research Methodology

- **Research Process**

The steps of research process are the following:-

7- Analysis of Data

It depends on the type of data as quantitative or qualitative data.

Research Methodology

- **Research Process**

The steps of research process are the following:-

8- Generalizations and Interpretation

Generalization of the research's results when the data is representing the whole population, otherwise interpretation can be used

Research Methodology

- **Research Process**

The steps of research process are the following:-

9- Preparation of the Report or the Thesis

Finally, the researcher has to prepare the report for publication in well known journal articles.

Reference

- Prabhat, P. and Pandey, M.M (2015) *RESEARCH METHODOLOGY: TOOLS AND TECHNIQUES*. 1st ed. Romania, European Union: BRIDGE CENTER.

Good Luck for All Students

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ذكر الله أعظم ما في الوجود ،، لعل الله يرحمنا بعلم تعلمناه في الحياة
الدنيا

أستغفر الله