

Course Code: PHDSW101

SOCIAL WORK RESEARCH & STATISTICAL APPLICATIONS

COURSE OBJECTIVES:

- To acquaint learners about the research concepts and ethics of Social Work Research.
- To gain the knowledge on research methodology and approaches.
- To develop the knowledge and skills of using different methods in conducting the quantitative, qualitative and mixed methods of research.
- To understand the statistical tools and techniques in Social Work Research and its application

COURSE CONTENT:

Unit I: Social Science Research: An Introduction

Meaning, Definition, and Scope

Scientific Method: Use of Scientific Method in Social Science Research.

Approaches to Social Science Research: Quantitative, Qualitative and Integrated Concepts, Constructs, Variables, Hypothesis and Testing Hypothesis, Cause and Effect Relationship.

Research Problem, Identification, and Formulation.

Review of Literature, Citation and Referring Styles.

Ethical consideration in Social Work Research

Difference between Social Research and Social Work Research

Process of Social Work Research and Format of Research Proposal

Unit II: Research Design and Types:

Meaning and definition, Need for Research Design in Social Work Research

Types: Explanatory Research Designs, Exploratory Research Designs, Descriptive Research Designs, Experimental Research Designs, Survey Research Designs, Action Research Evaluation Research.

Unit III: Sampling and Data Collection:

Meaning, Definition, and advantages of Sampling

The universe, Population, Sample unit, Determination of Sample Size & Sampling error.

Types of Sampling: Probability sampling & Non probability sampling.

Sources of data: Primary and secondary, online journals and resources,

Methods and Tools of Data Collection: Interview, Guide, Observation

Questionnaire, Case Study and Focus Group Discussion
Scaling techniques and its types
Need for Pre-testing and Pilot Study and its advantages

Unit IV: Data Processing & Analysis:

Data coding, Master Sheet, Editing, and Tabulation
Data types, summation, organization, and presentation of data, frequency distribution, diagrammatical and graphical presentation.
Testing parametric and non- parametric tests.
Data Analysis: Univariate, Bivariate and Multivariate Data Analysis, Software for Social Research Analysis
Reporting: Meaning, Principles of reporting and Format of Good Report

Unit V: Application of Statistics in Social Work Research:

Meaning, definition, Scope. Uses of Statistics in Social Work
Basic Statistical Application: Mean, Median, Mode and standard Deviation
Parametric: t- test, Z-test ANOVA, Pearson coefficient of correlation
Non- Parametric Test: One sample tests, 1-sample Wilcoxon signed rank test. Spearman Rank Correlation
Uses of SPSS in Social Work Research

COURSE OUTCOMES:

- Learners are enabled to apply the research concepts and ethics of Social Work Research in undertaking research.
- Design and develop research methods to study specific research problem.
- Apply different methods quantitative, qualitative and mixed methods in conducting research.
- Predict and apply the appropriate statistical tools and techniques to get significant results.

References:

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