



DhairyaDa Institute For Psychological Studies

RESEARCH METHODOLOGY

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DhairyaDa Institute For Psychological Studies

Welcome to DIPS,

The syllabus of **Research Methodology** has been specially and skillfully curated by taking into consideration the syllabus of different Universities like SPPU (Pune University), Mumbai University, Christ University etc • IGNOU and also to make sure that you are able to not just learn but also achieve your goals through that learning the syllabus also covers entrances like • NET • Phd entrances • M.phil entrances • UPSC Optional.

After the completion of this subject, you will be able to,

1. Understand and have an *in-depth knowledge* of the subject
2. *Application based* skill set and learning that will help you grow in any field that you choose.
3. *Relate* the subject to many practical and real-life based scenarios and experiences.

unit 1

OVERVIEW OF RESEARCH PROCESS

1. Overview of basic research concepts (problem, hypothesis, variables and operational definitions)
2. Basic concepts in sampling, Sampling techniques
3. Difference Between Qualitative and Quantitative Research
4. Methods of data collection: (a) Data collection in quantitative research (b) Data Collection in Qualitative research
5. APA style of preparing research proposal' writing research report

unit 2

INTRODUCTION TO RESEARCH DESIGNS AND SCALING

1. Introduction to Methods of research: Observation, Survey [Interview, Questionnaires], Experimental, Quasi-experimental
2. Introduction to Methods of research : Field studies, Cohort Studies, Cross-Cultural Studies, Phenomenology, Grounded theory, Focus groups, Narratives, Case studies, Ethnography
3. Survey research designs-
 - (a) Cross-sectional, successive independent samples, longitudinal
 - (b) Problems, issues, and applications of survey research
4. Scaling: Psychophysical scaling
5. Scaling: Psychological scaling

unit 3

RESEARCH DESIGNS

1. Experimental designs: Definition, principles and functions.
2. Conceptual distinction among between group designs and within group designs.
3. Between-group designs: Block designs, Matched Group designs, Factorial designs.
4. Within Group Designs: Complete and Incomplete.
5. Quasi Experimental Designs, Single Subject Research Designs.

unit 4

OTHER MULTIVARIATE DESIGNS

1. Factor analysis: Basic terms.
2. Overview of extraction methods and rotation methods
3. Exploratory and Confirmatory factor analysis
4. Other multivariate techniques:
Multiple regression, multivariate analysis of variance,
discriminant functions analysis,
canonical correlations, and path analysis and
structural equations.
5. Small research under guidance from scratch

Students will be undertaking a small research to apply all the concepts and get a real experience of the entire research process.

Kindly note :

Any pointer that a teacher or any student feels is important and needs to be discussed will be taken during the lectures depending on the need and the necessity.

BOOKS TO READ

Kerlinger F.N. (1994). Foundations of behavioral research (3rd ed)

Shaughnessy J.J. and Zechmeister E.B. (1997). Research Methods in Psychology (4th ed)

Singh, A.K. (2006). Tests, Measurements and Research Methods in Behavioural Sciences. Patna: Bharati Bhavan.

**All the books and resources will be provided to the students*

This subject will be taught by Mr. Rohit Iyer.

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