



Ramakrishna Mission  
SIKSHANAMANDIRA

WORKSHOP ON  
QUANTITATIVE METHODOLOGY AND DATA  
ANALYSIS IN EDUCATIONAL RESEARCH



## LEARNING OBJECTIVES

*“Educational research is an energetic, dynamic enterprise. Not only the vast expansion of knowledge in this field but its various new and upcoming ways of seeking knowledge amaze us. Divided into two broad categories of Qualitative and Quantitative Research, each approach has its own set of methodologies and terminologies.*

*The Quantitative way uses objective measurement to gather numeric data and answers or tests pre-determined hypotheses in a well-controlled setting. In 7 Days, learn and explore all you possibly can about the world of research methods in education, which in itself is vast and boundless. Rejuvenate your interest in quantitative research methods of education to take up its various challenges.”*

## CONTACT US

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## ADDRESS



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7 DAYS' WORKSHOP ON

# QUANTITATIVE METHODOLOGY & DATA ANALYSIS IN EDUCATIONAL RESEARCH

8<sup>th</sup> - 14<sup>th</sup> July, 2019

## YOUR KEY TAKEAWAYS



Discover general principles/interpretations of fact and behavior to explain, predict & control educational events



Know Steps and Processes to enter the Educational World doing Educational Research



Learn Data Analysis through Readily Available Softwares

## FOCUS, SIMPLIFY & ORGANIZE

Discover general principles or interpretations of fact or behavior that people can use to explain, predict and control events in the educational situations

- ***THE EFFECTIVE WAY?***

The process of doing effective research and education

- ***HOW DO I EXIT?***

Exit Process? No Problem! Know the easy process of exit from Education world with proper documentation

**“Education is  
the  
Manifestation of  
Perfection  
already in Man”**

*- Swami Vivekananda -*

DAY	HALF – 1.1 (10:30)	HALF -1.2 (11:45)	LUNCH (1:00-2:00)	HALF 2.1 (2:00-3:15)	HALF -2.2 (3:15-4:30)
D-1 (MON 8/7/19)	Inauguration of the workshop, Objectives of the Present Workshop & Formation of Groups	Introduction to research methodology: Concept/ Types/ Ethics of Educational Research.	LUNCH (1:00-2:00)	Approach to Quantitative Educational Research- Non-experimental & Experimental	Sampling techniques./ Strategies for data collection/ Scales & nature of data
D-2 TUE 9/7/19	Formulation of research problem & title framing, Writing research objectives	Identification of Variables/ Factors, Assumptions, Research Questions & Hypothesis.		Workshop on problem formulation, title framing etc., related to the problem by the participants	
D-3 WED 10/7/19	<b>Experimental Research Design:</b> Paradigm discussion	Formulation of research design according to identified research problem/ objectives/ hypothesis		Continued workshop on research design	
D-4 THU- 11/7/19	Review of Related Literature.	Review of Literature by the Participants & its reporting		Data Tabulation & preparation of data for analysis through readily available software (Hands on Experience )	
D-5 FRI 12/7/19	Descriptive Statistics & Graphical presentation of data through readily available software (Hands on Experience)			Inferential Statistics (1): Comparison and Relationship study with interpretation through readily available software (Hands on Experience)	
D-6 SAT 13/7/19	Inferential Statistics (2): Effect / Impact study & interpretation through readily available software (Hands on Experience)			Reporting of results according to APA style & Writing of Discussions section	
D-7 SUN 14/7/19	Report Writing & Referencing of various sources according to APA Style			Participants Feedback	Valedictory session

- Only Working Lunch & Tea will be provided to participants
- No TA/DA is admissible
- Accommodation may be arranged for candidates, having them to bear the charges
- Please login to [www.rkmsm.org](http://www.rkmsm.org) to apply. The last date of application for registration is June 10, 2019
- Registration Fee: Rs. 1200/- (twelve hundred only)