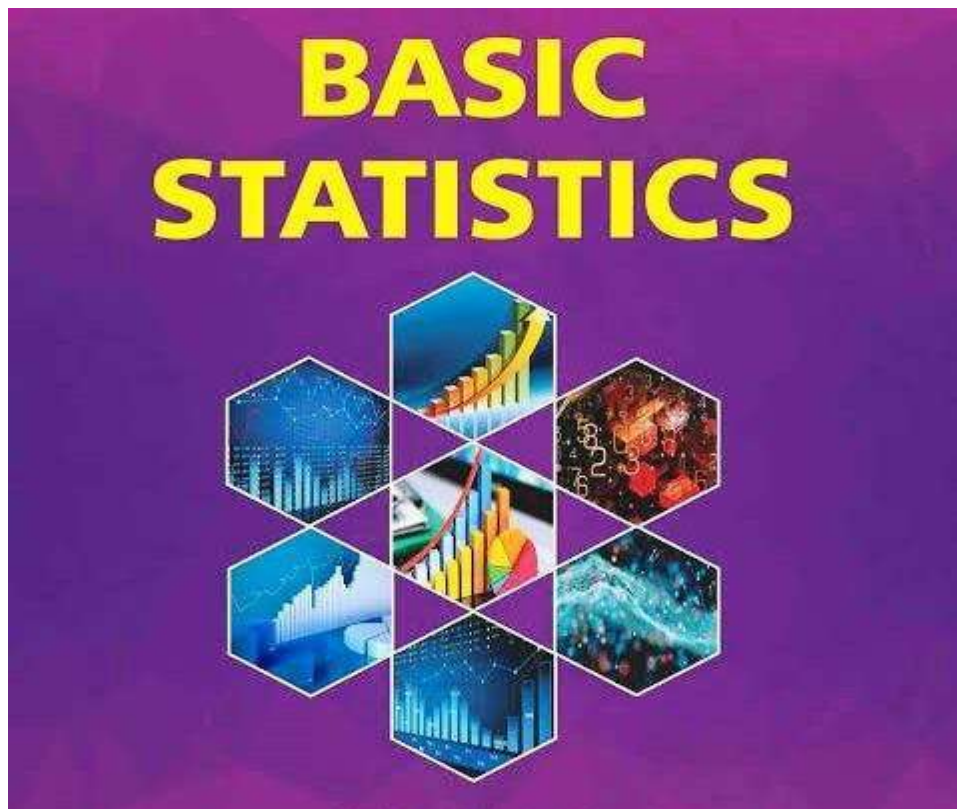




Sainath Education Trust's
H.B. B.Ed. College
organises

Three days National Workshop on
Basic Statistics and Training on SPSS Package
Sponsored by

Indian Council of Social Sciences Research, Western
Regional Center, Mumbai



19th - 21st December, 2022

Venue

Sainath Education Trust's
H.B.B.Ed. College,
Vashi, Navi Mumbai - 400703
Maharashtra

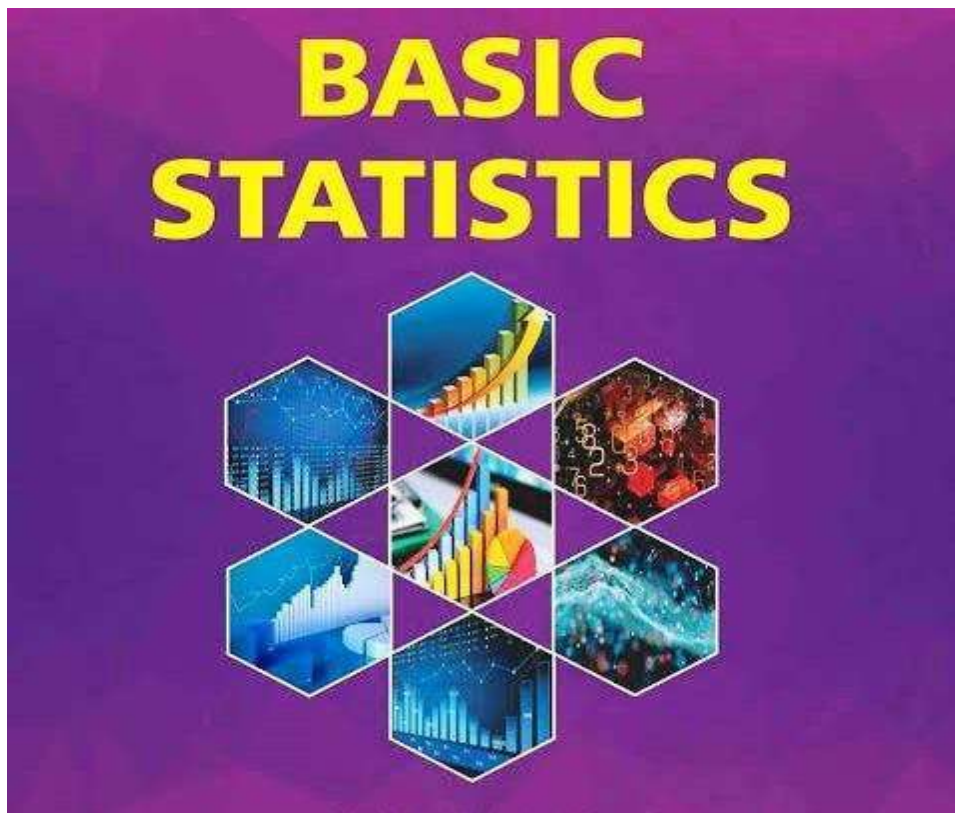
Email: hbbedcollege@gmail.com

**Report
of
Three days National Workshop on
Basic Statistics and Training on SPSS Package**

Sponsored by

Indian Council of Social Sciences Research, Western Regional Center, Mumbai”

19th - 21st December, 2022



Foreword

“Be able to analyse statistics which can be used to support or undercut almost any argument”

-Marilyn Vos Savant-

It is my great pleasure in presenting this report of the national workshop on Basic Statistics and Training on SPSS Package .I thank each & all who made the presentation on subtheme of the workshop.

Indian higher education demands maintaining the quality of research. Many of the nations are trying to reinforce the quality of research and time has come when India too needs to prioritize it. The National Education Policy (NEP) 2020 intends to revamp the whole education system including research. The NEP 2020 envisions the establishment of a National Research Foundation (NRF) with the aim of allowing a culture of research to permeate our universities.

However, quality research is possible only when the Researchers undergo systematic training in research methodology. Research methodology is a structured framework of conducting research in order to address various issues and to solve problems in a scientific way. Therefore, it is imperative for the researchers to understand research methodology and applications of contemporary statistical techniques for conducting research. In recognition of the need for reorienting and upgrading the research abilities of research scholars of social sciences and inter-disciplinary areas, Sainath Education Trust’s H.B. B. Ed College organized three- days workshop on basic statistics and training in SPSS packages with an object of enhancing statistical analysis and interpretation skills of the scholars, teacher educators and PhD guide and provided them a unique opportunity to get themselves aware and trained in different packages of statistical analysis in research.

Dr. Swarnalata Harichandan.
Principal

Acknowledgement

ACKNOWLEDGEMENT

It is my pleasure to be indebted to various people, who directly or indirectly contributed for making the workshop successfully.

I express my sincere gratitude to ICSSR,WRC,University of Mumbai for approving our proposal and sponsoring the financial support to organise the workshop. I am thankful to our management for their support and cooperation.It was all possible because of constant inspiration and presence of the management members. I also extend my sincere appreciation to all members of various committee including workshop coordinator.Iwould also like to thank all the guests, speakers and participants without whom the workshop would not be a grand success. Lastly Iwould like to thank each and every person who helped us in sucessfully organising the workshop.

Dr. Swarnalata Harichandan,
Principal

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About Sainath education Trust's H.B.B.Ed College

Sainath Education Trust was established in the year 1985 with the aim of spreading education in Navi Mumbai. Hon. Shri. Haribansh R. Singh (Ex. Member of Parliament) a visionary dreamed to provide higher education to the socially and economically under privileged strata of society at an affordable cost. The trust started its academic service by establishing a school in the year 1988, predominantly in Hindi medium which subsequently lead to the establishment of English medium school. In the year 1988, the trust established a Junior college in the streams of Arts, Science and Commerce. To cater to the needs of socially, economically and academically under privileged section of the society the Trust took a bold step to establish a degree College in the year 1998. Moving one step ahead to cater the needs of Higher Education and to contribute in the development of a healthy and intellectual society the Trust has established Teachers Training College (B.Ed.) In 2006 with a view to provide increased access in higher education particularly in teacher education. The College affiliated to University of Mumbai is recognized by National Council of Teacher Education (NCTE). The Trust aspires to achieve many more milestones. The future classroom teachers need to be equipped to meet the emerging challenges, therefore teachers need to be oriented with emerging issues and challenges. In that direction we have started the tradition of organizing seminar series .In the beginning we have organized a State level seminar on “counseling-a silent necessity” in 2011. In 2012 we have organized National level seminar on “Empowerment of Teachers – a practical solution” and published all the papers in a book form. During 2013 we organized MOEF (Ministry of Environment and Forest, New Delhi) sponsored two days National Seminar in collaboration with Thane Belapur Industrial Association & Rajiv Gandhi College of Arts Science and Commerce Vashi on “Creating Awareness to Conserve and Protect Environment-Role of Education”. We have also published the papers in Book form with two volumes. In 2014 we organized one day workshop to help the teachers and the educational institutions to prepare for the “NAAC Accreditation Process”. In 2015 we organized an International Symposium on “Role of Politics in Education” to celebrate our Chairman’s victory as a Member of

Parliament & to have a broad discussion on Politics & Education. In year (2016) we have organized two days National Workshop on “Developing Awareness on Yoga- A Way of Life”.

In year (2017) we organised one day National seminar on “Contribution of Dr. Babasaheb Ambedkar & Rashtrasant Tukadoji Maharaj to the society.” In 2018 we organised one day Seminar on “Contribution of Swami Vivekananda & his prime Disciple Sister Nivedita on Education” and One-Day National Level Seminar On “We are Teaching, Are they learning?” In collaboration with Anjuman-I-Islam’s Akbar Peerbhoy College of Education, Vashi and in 2019 .we have organised One Day National Seminar on “Opinion of Stake Holders towards Four-Year Integrated Teacher Training Programme.” We organised one day workshop on Nai Talim and Experiential Learning In July 2019 followed by FDP in the month of August 2019 to celebrate the

150th birth anniversary of Mahatma Gandhi, the father of our Nation. In line with national priorities the workshop on Improving Digital Skills for Empowering Women was organised on 11th January 2019. Due to Covid 19 pandemic period we could not able to organise offline seminar. We are happy to organise this seminar in offline mode on the occasion of celebrating Azadi ka Amrit Mahostav sponsored by ICSSR. The seminar is on cultural and language interface.

ABOUT ICSSR

Indian Council of Social Science Research (ICSSR) was established in the year of 1969 by the Government of India to promote research in social sciences in the country.

ICSSR provide grants for projects, fellowships, international collaboration, capacity building, survey, publications etc. to promote research in social sciences in India.

Documentation center of ICSSR - National Social Science Documentation Centre (NASSDOC) - provides library and information support services to researchers in social sciences.

ICSSR has developed ICSSR Data Service to serve as a national data service for promoting powerful research environment through sharing and reuse of data among social science community in India

The Indian Council of Social Science Research, an autonomous organisation, and ever since, its role and functions have constantly been growing. The Council functions through a system of programme divisions at its headquarters in New Delhi and a network of six Regional Centres at Mumbai, Kolkata, Chandigarh, Hyderabad, New Delhi and Shillong.

The Council has set up, in collaboration with respective state governments, six Regional Centres as part of its programme of decentralizing administration and broad-basing social science research.

The Western Regional Centre was established with the approval of the Government of Maharashtra in January 1973 in collaboration with the University of Mumbai on the new campus of the University at Vidyanagari. It consists of three buildings – a wing of the Jawaharlal Nehru Library (1976), the ICSSR Hostel building (1976) and the J P Naik Bhavan (1983). The ICSSR Conference Hall is located on the ground floor of the J P Naik Bhavan.

The major objectives of the Centre are – the promotion of research in social sciences, the imparting of training in research methodology to those aspiring to undertake research and the exposure of young social scientists and researchers to the benefit of the expert knowledge of specialists not only from the western region but also from the rest of India and abroad.

About the Workshop

Indian higher education demands maintaining the quality of research. Many of the nations are trying to reinforce the quality of research and time has come when India too needs to prioritize it. The National Education Policy (NEP) 2020 intends to revamp

the whole education system including research. The NEP 2020 envisions the establishment of a National Research Foundation (NRF) with the aim of allowing a culture of research to permeate our universities.

However, quality research is possible only when the researchers undergo systematic training in research methodology. Research methodology is a structured framework of conducting research in order to address various issues and to solve problems in a scientific way. Therefore, it is imperative for the researchers to understand research methodology and applications of contemporary statistical techniques for conducting research. In recognition of the need for reorienting and upgrading the research abilities of research scholars of social sciences and inter-disciplinary areas, Sainath Education Trust's H.B. B. Ed College proposes to organize three- days' workshop on basic statistics and training in SPSS packages with an object of enhancing statistical analysis and interpretation skills of the scholars, teacher educators and PhD guide and to provide them a unique opportunity to get themselves aware and trained in different packages of statistical analysis in research.

Objectives of the Workshop

The proposed workshop in Research Methodology intends to strengthen the academic talent in the field of statistics. Participants who are enrolled expected to learn statistical analysis. The aim is to reach out to students from different social science disciplines to impart an inter-disciplinary approach of capacity building. The workshop focuses on addressing the challenges faced by the researchers in analysis and interpretation of data. This will enable them in understanding the statistical techniques required for their research. The major emphasis has been given to analysis of data collection involved in qualitative approaches and mixed method. The key objectives of the course are:

- To enable the participants in comprehending relevance of Social Sciences, research, defining the research problem and developing a well-defined methodological framework for their research interest.
- To familiarize the participants with basic statistics in research
- To expose the participants to different statistical packages for analysis of data
- To train the participants in using SPSS packages for analysis and interpretation of data.

Key Topics to be covered

Basic statistics in research

- Concept of statistics
- Need and importance of statistics in research
- Concept of data
- Use of statistics in data analysis
- Statistical analysis: types and methods
- Selection of statistical methods in research
- Benefits of statistical analysis
- Statistical analysis software
- Training in SPSS package

Expected Outcomes

By the end of the workshop participants will be able to:

- Select statistical methods for their research
- Know different software available for statistical analysis
- Use SPSS package for data analysis

Workshop report

**SAINATH EDUCATION TRUST'S
H.B. B.Ed. COLLEGE
A REPORT ON THREE DAY NATIONAL WORKSHOP
ON BASIC STATISTICS AND TRAINING ON SPSS PACKAGE
19th -21st DECEMBER, 2022**

Sainath Education Trust's, H. B. B. Ed College organized a 3 days National workshop on Basic Statistics and Training on SPSS Package from December 19th -21st, 2022 in college auditorium. The workshop focused on how to choose and use statistical methods in research and its importance.

Day 1- 19th December, 2022.

The following were the guest on 19th December, 2022 workshop.

- Mr. Asaram Yadav (Member of Trust)
- Mrs. Beena Parera (Principal of Jr. College & Hindi Medium School)
- Mrs. Rekha Singh (Principal of Primary section of Hindi Medium)
- Mrs. Neelam Singh (Trustee of Sainath College)
- Dr. Asma Shaikh (Principal of Anjuman Islamic College, Vashi)
- Prof. Ulhas Dixit, Professor and HOD of Statistics, University of Mumbai (Chief Guest)
- Mr. Sandeep Kambale (Resource person - HOD Department of Mathematics V.G Vaze College of Art, Science and Commerce)
- Dr. Reshmi RS, (Resource person - IIPS Deonar, Chembur, Mumbai)

The program started with the welcome note by Mrs. Roshini Kharat, followed by the lamp lighting and welcome speech by our Principal Dr. Swarnalata Harichandan. The introduction of Professor Ulhas Dixit, Professor and HOD of Statistics, University of Mumbai was given by Asst. Professor Dr. Sati Shinde. Prof. Ulhas Dixit, had given a speech and explanation on the importance of statistics in research. He explained statistics is a branch of science that deals with the collection, organization and analysis of data and the drawing of inferences from the samples to the whole population. This requires a proper design of the study, an appropriate

Selection of the study sample and a choice of a suitable statistical test. Even sir has explained about probability theory treats the concept in a rigorous mathematical manner by expressing it through a set of axioms. A short speech was delivered by Mr. Asaram Yadav. As he told education is a means of achieving a world of peace, justice, freedom and equality for all. Thus, education is extremely necessary for all. No good life is possible without education. It indorses the intelligence of human beings, develops his skill, and enables him to be industrious.

The program was followed by a session on “Importance and Application of basic statistics and SPSS in Social Science” by Dr. Reshmi R S, IIPS Deonar, Chembur, Mumbai.

The vote of thanks was given by Mrs. Samiksha Mhatre.

Another interesting session was taken by Mr. Sandip Kambale, (HOD Department of Mathematics, V.G Vaze College of Art, Science and Commerce, Mulund) on Correlation and Regression Analysis.

Vote of thanks was given by Mr. Deepak Kalambarkar.

Day 2- 20th December, 2022.

The second day workshop was conducted online on 20th December, 2022.

The program started with the introduction of our special guest Dr. Sunita Magre, (Professor and Head Department of Education University of Mumbai) given by Mrs. Roshini Kharat.

Prof. (Dr.) Sunita Magre conducted a session on “Statistical Analysis: Types and Methods”. As she explained descriptive as well as inferential analysis and measures of dispersion in statistics.

The vote of thanks was given by Mrs. Roshini Kharat. The second session was taken by Dr. Rajesh Singh, Director, Board of Innovation, Incubation and Linkage RTM Nagpur University.

The introduction was given by Dr. Sati Shinde. The topic of the session was “Selection of Statistical Method in Research”. As he explained stages, application and usage of statistics.

Vote of thanks was given by Dr. Sati Shinde Madam.

Day 3- 21st December, 2022.

The third day workshop was conducted on 21st December, 2022 in college.

The program started with the introduction of our special guest Dr. Ruchika Miglani, Assistant Professor, Department of Education, University of Mumbai by Dr. Sati Shinde. She conducted a session on “Training on SPSS Package”. As she gave training on SPSS package in group wise with elaboration of each terms related SPSS. Even It gives you the tools to start practicing and

playing around with the software. All participants interested in learning how to use SPSS for academic research.

Another important session was conducted by Professor Chander Shekhar, IIPS, Deonar, Chembur, Mumbai. The topic was “Training on SPSS Package”. As he explained explore statistical analysis with SPSS. Topics covered include how to create and analyze charts, build reports, import spread sheets, create regression models and export presentation graphics. The program was followed by certificate distribution and report reading by Miss Gautami Prasad. The vote of thanks was given by Mr. Deepak Kalambarkar.

Inaugural session

“Three days National Workshop on Basic Statistics and Training on SPSS Package” was organised by Sainath Education Trust’s, H. B. B. Ed. College, Vashi, Navi Mumbai on 19th to 21st December, 2022 in which 50 participant from various Colleges of Navi Mumbai and Mumbai region participated. Participant includes M. Ed students, research scholars and assistant professors. The workshop inaugurated by our chief guest.



Inaugural Address :

Prof. Ulhas Dixit, Chief Guest of National Workshop, HOD-Department of Statistics, University of Mumbai had given a speech and explanation on the importance of statistics in research. He explained statistics is a branch of science that deals with the collection, organization and analysis of data and the drawing of inferences from the samples to the whole population. This requires a proper design of the study, an appropriate selection of the study sample and a choice of a suitable statistical test.

Even sir has explained about probability theory treats the concept in a rigorous mathematical manner by expressing it through a set of axioms.

Key note speaker

Dr. Reshmi R S, IIPS, Deonar, chembur, Mumbai.

Topic: “Importance and application of basic statistics and SPSS in social science”