

REPORT

The Three-Day National level Workshop on "Introduction to SPSS for Data Analysis"

Date: 4th to 6th December 2023

Venue: College Auditorium, Government College of Physical Education, Kozhikode.

The Three-Day National Workshop on "Introduction to SPSS for Data Analysis" held from 4th to 6th December 2023 at the College Auditorium of Government College of Physical Education, Kozhikode, marked an exceptional platform for researchers, educators, and students in sports sciences to delve into the realm of sports data analysis. Sponsored by the Directorate of Collegiate Education, Government of Kerala, this workshop aimed to provide participants with comprehensive theoretical insights and practical training on utilizing IBM SPSS Statistics for sports data analysis.

The workshop meticulously blended theoretical foundations with hands-on training, ensuring participants gained both knowledge and practical skills essential for effective data analysis in the realm of sports. The sessions were designed to cater to individuals at varying proficiency levels, from beginners to those seeking to refine their existing skills. The interactive and engaging learning experience promised a deeper understanding of research methodologies and advanced statistical tests, empowering participants to apply data analysis principles with confidence in their respective fields.



The inaugural ceremony of the National Workshop on "Introduction to SPSS for Data Analysis" commenced with a prayer led by the MPED 1st-year students, setting a solemn tone

for the event. Dr. Mithin Anand, Assistant Professor and workshop coordinator at Government College of Physical Education, East Hill, Calicut, delivered a warm welcome speech, extending greetings to all attendees and emphasizing the importance of the workshop in advancing knowledge and skills in sports data analysis. This was followed by the Presidential Address delivered by Dr. Sunil Alphonse, Principal In-charge, who highlighted the significance of such initiatives in fostering academic excellence. The inauguration was graced by Sri. Rajesh P, Associate Professor from the Department of Economics at Government Engineering College, who officially inaugurated the workshop. Felicitations were extended to Mr. Vinod A., Mr. Sunil Ramachandran, and Mr. Harris Babu, Assistant Professors from Government College of Physical Education, East Hill, Calicut, recognizing their support and contributions. The ceremony concluded with a vote of thanks delivered by Mr. Nabeel S.N., Assistant Professor at Government College of Physical Education, East Hill, Calicut, expressing gratitude to all participants and dignitaries for their presence and support.

The workshop was spearheaded by Sri. Rajesh P, an Associate Professor from the Department of Economics at Government Engineering College, Thrissur. With his expertise in the field, Sri. Rajesh P guided participants through the intricacies of sports data analysis using IBM SPSS Statistics, ensuring a thorough understanding of the subject matter.

The workshop spanned three days, each day focusing on specific aspects of data analysis:

Day 1: Analytical Ground Work and Descriptive Statistical Analysis (04/12/2023)

- Session 1: Research Methods and Data Analysis Fundamentals
- Session 2: Data Entry and Manipulation in IBM SPSS Statistics
- Session 3: Descriptive Statistical Analysis
- Session 4: Introduction to Hypothesis Testing

Day 2: Exploring Hypothesis Testing in Sports Research (05/12/2023)

- Session 5: One sample t-test, independent samples t-tests, and Paired sample t-test.
- Session 6: One-Way ANOVA
- Session 7: Two-Way ANOVA and ANCOVA
- Session 8: Repeated Measures ANOVA

Day 3: Diving into the Non-parametric Techniques, Correlation, and Regression Analysis (06/12/2023)

- Session 9: Non-Parametric Tests 1: Chi-Square tests
- Session 10: Non-Parametric Tests 2: Mann-Whitney U test and Wilcoxon signed-rank test
- Session 11: Non-Parametric Tests 2: Kruskal- Wallis H test and Friedman test
- Session 12: Correlation and Applied Regression Analysis

The workshop concluded with a valedictory function on the evening of 6th December 2023. The ceremony commenced with a prayer by MPED 1st-year students, followed by a warm welcome speech delivered by Dr. Nithin Rajan, Assistant Professor at Government College of Physical Education, East Hill, Calicut. Dr. Sunil Alphonse, Principal In-charge of Government College of Physical Education, East Hill, Calicut, delivered the Presidential Address, acknowledging the significance of the workshop in fostering skill development in sports data analysis.

During the valedictory function, Sri. Rajesh P was honored, and a memento was presented to him by Dr. Sunil Alphonse, recognizing his invaluable contribution as the resource person. Certificates were then distributed to the participants by Sri. Rajesh P and Dr. Sunil Alphonse, acknowledging their successful completion of the workshop.

Felicitations were extended to Mr. Vinod A., Assistant Professor & HoD, and Mr. Ranjith Kamal, Assistant Professor, both from Government College of Physical Education, East Hill,

Calicut, for their support and commitment to the workshop. Additionally, Mrs. Sruthiya V N, Assistant Professor from the Department of Commerce at St. Joseph's College, Devagiri, Calicut, shared her feedback on the workshop, highlighting its educational value and practical relevance.

The valedictory function concluded with a vote of thanks delivered by Dr. Mithin Anand, Assistant Professor at Government College of Physical Education, East Hill, Calicut, who also served as the workshop coordinator. Dr. Anand expressed gratitude to all participants, resource persons, faculty members, and the Directorate of Collegiate Education, Government of Kerala, for their collective efforts in making the workshop a resounding success.

The Three-Day National Workshop on Introduction to SPSS for Data Analysis served as a comprehensive platform for participants to enhance their understanding and proficiency in sports data analysis. Through a well-structured curriculum, expert guidance, and interactive sessions, the workshop facilitated a meaningful learning experience, equipping attendees with the requisite skills to undertake data analysis tasks with confidence. The successful culmination of the workshop underscored its significance in fostering academic and professional development in the field of sports sciences.



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19/02/24

Report Prepared by
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