

COURSE CONTENT

Introduction to SPSS	Data entry Data management Analyses of data
Summarizing data	Descriptive Statistics Graphical presentation 95% Confidence Interval p-value
Research Design	Cross-sectional study Case-control Study Cohort Study Randomized Trials Critical appraisal of a journal article Odds Ratio Relative Risk
Comparing continuous variables between groups	Independent 2-sample t-test Paired t-test ANOVA Mann-Whitney U-test Wilcoxon signed-rank test Kruskal Wallis test
Comparing categorical variables between groups	Pearson Correlation Spearman Correlation Chi-square test Fisher's Exact test
Presentation of research work	Participants (option)

REGISTRATION FEE

Academician / PG students / Research Scholar / Industrialist:
Rs. 1,500/-

From SJC Faculty / Research Scholar / PG students
Rs. 1,200/-

* The Registration fee includes a working lunch, Workshop kit, Refreshments, and Participation Certificate.

REGISTRATION FORM LINK

Participants can click the link below to confirm your presence.
<https://admission.sjctni.edu/Statistics/RMDA/>

Note:

No TA and DA will be provided to the participants.
Accommodation will be arranged with nominal fee upon request.

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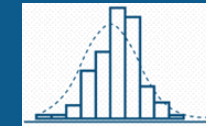
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A Two - day National Workshop on Research Methods and Data Analysis Using SPSS

(RMDA-2022)



Date: 15th & 16th December 2022

Venue: Jerome Centre for Information
and Communication Technology
(JCICT)LAB



Organized by

DEPARTMENT OF STATISTICS
SCHOOL OF COMPUTING SCIENCES

St. JOSEPH'S COLLEGE (Autonomous)
Accredited at A++ Grade (4th Cycle) by NAAC
Special Heritage Status awarded by UGC
College with Potential for Excellence by UGC
DBT-STAR & DST-FIST sponsored College
Tiruchirappalli – 620 002.

ABOUT THE COLLEGE

St. Joseph's College (SJC), Tiruchirappalli in Tamil Nadu, India, was established in 1844 by the Society of Jesus (Jesuits) and it is regarded as one of the prestigious institutions in India. True to its Nobel ideal, "Pro Bono Et Vero" (for the Good and the True), St. Joseph's College has always upheld and radiated Goodness and Truth in its endeavour to impart quality in higher education.

It was affiliated with Madras University in 1869 and is currently an affiliated first-grade college of Bharathidasan University. The college celebrated its Dodransbicentennial in 2018. The College is the first autonomous Arts and Science College in the country to secure the prestigious A++ rank for the fourth cycle of accreditation by the National Assessment and Accreditation Council (NAAC) in 2019.

The College has produced a number of rare and remarkable geniuses, of whom the crown is the Former President of India, His Excellency, Bharat Ratna Dr. A P J Abdul Kalam. St Joseph's takes genuine pride in mentioning such a handful from the vast number of luminaries who had received their education in this College.

This educational establishment has been instrumental in churning out thousands of truly educated persons, physically fit and intellectually well-equipped. Thus, this College stands for what is best in education.

ABOUT THE DEPARTMENT

The Department of Statistics was started in 1978, in which year autonomy was granted to our College. Our department became a PG Department in 1998. In rapid succession, the

department got recognition as a Research Department by Bharathidasan University in 1999 with the introduction of M.Phil. Programme and Ph.D. programme.

The Department of Statistics helps students to acquire the conceptual, computational, and Statistical tools for quantifying uncertainty and making sense of complex data arising from many disciplines.

The department has signed linkages with Public and Non-Public organizations for our student's internship training / Group projects. The department has produced many outstanding students with university ranks. The faculty members and students of the yesteryears have contributed significantly to the establishment and growth of the department. Every year eminent speakers are invited to deliver lectures on selected topics for the benefit of the students.

ABOUT THE WORKSHOP

The workshop aims at improving the analytical skills of biostatisticians, epidemiologists, public health researchers, social scientists, and other professionals working in the field of Social Science / Medical / Health Research. The course content is designed with the objective to introduce various common statistical methods and their applications in Social / Medical / Health Research.

The workshop will focus on when to use which statistical test, what assumptions are made for each test, how to check each assumption of the test, how to get test statistics, 95% Confidence Interval, p-value, develop skills in presenting results effectively,

and to improve the participants' ability to interpret the findings.

It will also include demonstrations and hands-on experience on how to apply these techniques using SPSS software and how to interpret the relevant number from the SPSS output. The course will also help researchers aiming to submit research articles for a journal, reviewers who receive social and medical articles for critical review from journals, and supervisors who guide PG medical or Ph.D. Students.

The participants are encouraged to bring their own laptop and their research data for the workshop and will have an opportunity to discuss their research work with resource persons.

TARGET AUDIENCE

This workshop is targeted at PG Students, Ph.D.Scholars, Ph.D. Supervisors, Faculty members, and Researchers from various professions such as Social Sciences, Psychology, Nursing, Pharmacy, Medicine, Public Health, and other allied Health Sciences.

Please be aware that the number of participants for the workshop is limited and registrations will be approved on a FIRST-COME, FIRST-SERVE basis.

OUTCOME OF THE WORKSHOP

The participants would be able to analyze Social Science and Medical research data using SPSS, interpret the results, and present the findings in a systematic way.