



# LOYOLA COLLEGE (AUTONOMOUS)

Affiliated to the University of Madras  
Nungambakkam, Chennai - 600 034



## LOYOLA COLLEGE (AUTONOMOUS) Chennai - 34



### PG & RESEARCH DEPARTMENT OF COMMERCE

We Cordially Invite you for

### “A TWO - DAY WORKSHOP ON SPSS”

Resource Persons:

**Dr. S. XAVIER**  
ASST. PROFESSOR - DEPARTMENT OF STATISTICS

**Dr. B. RUBAN RAJA**  
ASST. PROFESSOR - DEPARTMENT OF STATISTICS

Time: 2.00 P.M - 4.00 P.M

Date: 18<sup>th</sup> & 19<sup>th</sup> May 2022

Venue: MRF Hall

**Dr. A. Marcus**  
HOD

**Prof. A. Hendry Ruban**  
Convener

**Dr. M. Salathaiyan**  
Organizing Secretary

## **Workshop on SPSS**

<b>Event Title</b>	<b>SPSS</b>	
<b>Organizer</b>	<b>PG and Research Department of Commerce</b>	
<b>Category</b>	<b>Workshop</b>	
<b>Date</b>	<b>18<sup>th</sup> &amp; 19<sup>th</sup> May, 2022</b>	<b>Time: 02.00 pm - 04.00 pm</b>
<b>Resource Persons</b>	<b>Day 1 - Dr. S. Xavier, Assistant Professor, Department of Statistics, Loyola College</b> <b>Day 2 – Dr. B. Ruban Raja, Assistant Professor, Department of Statistics, Loyola College</b>	
<b>No. of Participants</b>	<b>45</b>	

### **Report Description**

**Workshop on SPSS** on 18<sup>th</sup> & 19<sup>th</sup> May, 2022 from 02.00 pm to 04.00 pm

### **Objectives of the Programme**

- To improve the knowledge and requisite skills of students on the use of SPSS.
- To enable them to make the best of this powerful software package while allowing them to work independently with SPSS.
- To help them process critical data in simple steps while doing their Final year project.

### **Report**

#### **Day 1**

The PG and Research Department of Commerce organized a workshop especially for the II Year M.Com. students on SPSS from 02.00 pm to 04.00 pm on 18<sup>th</sup> & 19<sup>th</sup> May, 2022 under the convenorship of Prof. A. Henry Ruban. The programme was anchored by S. Gladis (20-PCO-037) and a formal prayer was said by Sindhuja (20-PCO-010). The Convenor, Prof. A. Henry Ruban introduced the Resource Person, Dr. S. Xavier, Assistant Professor, Department of Statistics, Loyola College to the students. The resource person took over the session using a power point presentation and started with the classification of Data like Nominal, Ordinal, Continuous and Qualified. He analysed how to frame the Objectives and Hypothesis and explained how to enter the data in SPSS using a sample questionnaire. He also expounded how to transfer the data from MS Excel to SPSS. He elaborately discussed how to test the Hypothesis, when to use the parametric test and non-parametric test, in that what type of test can be used like One-Sample Test, T-test, Paired T-test,

ANOVA, Pearson's Correlation, Sign Test, U-test, Rank sum Test, Chi-square test categorically. He patiently answered the questions put forth by the students. The first day programme ended with the Vote of thanks by the Convener, Prof. A. Henry Ruban.

## **Day 2**

The Organizing Secretary, Dr. M. Salathiyan introduced the Resource Person, Dr. B. Ruban Raja, Assistant Professor, Department of Statistics, Loyola College to the students. He started explaining with the terms 'Parameter' and 'Sample'. Parametric tests make assumptions about the distribution of the population from which the sample is taken. This is usually the case when the data about a population are assumed to be normally distributed. Non-parametric tests do not have a "distribution," so they can be used with variables that are not Normal. Non-parametric tests work for both data that is not normally distributed and data that is normally distributed. He said that using non-parametric tests would save us the trouble of testing for Normality. Parametric tests, on the other hand, are better because:

1. A significance test alone doesn't tell us much; we want to know something about the population from which the samples came, and the best way to do that is with parameter estimates and confidence intervals.
2. It is hard to do flexible modelling with non-parametric tests, like using multiple regression to account for confounding factors.
3. Most of the time, parametric tests have more statistical power than non-parametric tests. In other words, it is easier to notice big differences when they really are there.

Finally, he patiently answered the questions raised by the students. The feedback was given by the students on the two-day workshop. The Organizing Secretary, Dr. M. Salathiyan proposed a vote of thanks.





