



# RCSS Global Research Academy

Transforming Curious Minds into Confident Researchers

## SPSS-101

# Basic Data Analysis Using SPSS

## Practical SPSS for Research Data Analysis

### Certificate Programme

Learn SPSS. Analyse Research Data. Interpret Results.

SPSS is one of the most widely used statistical software packages in academic research. It is particularly useful for researchers who need to organise, analyse and interpret survey and research data without writing programming code.

SPSS-101 is a practical, beginner-friendly programme specially designed for researchers, PhD scholars, MBA and postgraduate students, faculty members and professionals.

The course focuses on actual research data analysis, rather than simply teaching software menus.



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**FOUNDER'S BATCH**

**SPSS Essentials for Researchers**  
**SPSS-101**  
**Practical Tools for Smarter Research**  
Master data analysis with SPSS – from data preparation and statistical tests to result interpretation and reporting.

**CERTIFICATE PROGRAMME**

 5 Live Interactive Sessions

 10 Hours

 Online (Google Meet)

**WHAT YOU WILL LEARN**

- ✓ Data entry and data management in SPSS
- ✓ Descriptive statistics and frequency analysis
- ✓ Hypothesis testing (T-Test, Chi-Square, ANOVA)
- ✓ Correlation and regression analysis
- ✓ Interpretation of results and research reporting



**LAUNCH FEE**  
**₹399**  
**LIMITED PERIOD OFFER**

 **SMALL BATCH SIZE**  
2 – 8 Participants

 **PRACTICAL & HANDS-ON**  
LIVE DEMONSTRATIONS

 **CERTIFICATE OF COMPLETION**

 **EXPERT FACULTY & CONTINUOUS SUPPORT**

**LEARN. ANALYSE. INTERPRET. PUBLISH.**  
*Strengthen Your Research with SPSS*

65 Live Interactive Sessions | 10 Hours | Online

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## **Why Learn SPSS?**

Researchers frequently collect data through questionnaires, surveys, experiments and other research instruments. The challenge is not only entering the data into SPSS, but knowing which analysis to perform, how to perform it and how to interpret the output.

SPSS-101 takes participants from the basics of SPSS to commonly used statistical analyses required in research projects, dissertations and theses.

## **Who Should Attend?**

### **PhD Scholars**

Analyse thesis and dissertation data confidently using SPSS.

### **MBA & PG Students**

Perform statistical analysis for dissertations, projects and assignments.

### **Faculty Members**

Strengthen practical skills in statistics and research methodology.

### **Research Scholars**

Learn a systematic approach to analysing research data.

### **Working Professionals**

Use SPSS for survey analysis and evidence-based decision making.

### **Beginners in SPSS**

No previous SPSS experience is required.

After Completing This Course, Participants Will Be Able To

- ✓ Understand the SPSS interface and basic workflow
    - ✓ Create and manage research datasets
    - ✓ Define variables and enter data correctly
    - ✓ Import and prepare research data
    - ✓ Generate descriptive statistics
  - ✓ Prepare frequency tables and cross-tabulations
    - ✓ Conduct commonly used statistical tests
  - ✓ Understand the logic behind test selection
    - ✓ Read and interpret SPSS output
  - ✓ Report statistical findings in research language
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## Programme Structure

### DAY 1

Getting Started with SPSS  
Introduction to SPSS  
SPSS interface and basic workflow  
Variable View and Data View  
Defining variables  
Variable types and measurement levels  
Coding and value labels  
Entering and managing research data  
Importing Excel data

### DAY 2

Descriptive Statistics & Data Exploration  
Frequency analysis  
Frequency tables  
Mean, Median and Mode  
Minimum and Maximum  
Standard Deviation and Variance  
Descriptive statistics  
Exploring research data  
Understanding distributions  
Practical interpretation of output

### DAY 3

Comparing Groups & Relationships  
Cross-tabulation  
Chi-Square Test of Independence  
Independent Samples t-Test  
Paired Samples t-Test  
One-Sample t-Test  
Understanding hypotheses  
Selecting the appropriate test  
Interpretation of SPSS output

### DAY 4

Non-Parametric Tests  
Why non-parametric tests are used  
Sign Test  
Mann-Whitney U Test  
Wilcoxon Signed-Rank Test  
Kruskal-Wallis Test  
Spearman Rank Correlation  
Choosing the appropriate non-parametric test  
Interpretation of results

### DAY 5

Research Application & Reporting  
Selecting the correct statistical test  
Understanding significance and p-values  
Reading SPSS output  
Practical analysis using a research dataset  
Interpreting statistical results  
Reporting findings in academic language



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## Why Choose RCSS Global Research Academy?

| Practical Learning                             | Hands-on Coding                                          | Research Focused                                         |
|------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------|
| Learn SPSS by analysing real research datasets | Every concept is demonstrated live using SPSS with Excel | Designed specifically for researchers, MBA students, PhD |
| Interactive Sessions                           | Affordable Learning                                      | Continued Guidance                                       |
| Small mentorship batches ensure personalised   | High-quality training at an affordable fee with maximum  | Guidance continues beyond the live sessions to help      |

## Programme Details

|              |                                              |
|--------------|----------------------------------------------|
| Programme    | SPSS-101: SPSS Essentials for Researchers    |
| Commencement | Sep 3, 2026                                  |
| Mode         | Online – Google Meet                         |
| Duration     | 5 Live Interactive Sessions / 10 Hours       |
| Timing       | 7:00 PM – 9:00 PM (IST)                      |
| Batch Size   | Minimum 2 • Maximum 8 Participants           |
| Certificate  | Digital Certificate on Successful Completion |

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