

SPSS TRAINING JULY SERIES

- Basics • Intermediate • Advanced

 JULY 4th, 11th & 18th, 2026



Why This Training?

Many students:

- Collect data successfully
- But struggle when it comes to **analyzing and interpreting the data**
- This training aims to **bridge that gap**.

The Core Challenges

- Preparing datasets correctly
- Coding and labeling variables
- Running descriptive statistics
- Understanding regression outputs
- Interpreting p-values and coefficients
- Conducting diagnostic tests required by supervisors and journals

Result: These challenges often delay thesis completion.

Why SPSS Skills Are Critical

- ❖ SPSS is one of the **most widely used statistical software packages in academic research.**
- ❖ Strong SPSS skills help researchers to:
 - Analyze quantitative data effectively
 - Conduct statistical tests required in theses
 - Interpret research results correctly
 - Produce credible and publishable findings

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What This Training Will Cover

Session 1: Basic SPSS



July 4th, 2026

- Basic feature of SPSS and Data Management
- Descriptive Statistics
- Transformation of Data

Session 2: Intermediate SPSS



July 11th, 2026

- Pilot Testing – Reliability (Using Cronbach Alpha coefficients)and Validity test (Using KMO & Bartlet test and Factor Analysis
- Diagnostic Testing – Normality, Multicollinearity, Linearity, Heteroscedasticity, Autocorrelation

Session 3: Advanced SPSS



July 18th, 2026

- Correlation - Pearson correlation,
Interpretation of correlation coefficients
- Regression - Simple logistic regression,
Multinomial logistic regression
- Hypothesis Testing - Using Regression results

Skills Participants Will Gain

By the end of this training, participants will be able to:

- Prepare research datasets correctly
- Conduct descriptive and inferential statistics
- Run regression models and interpret results
- Perform diagnostic tests required in research
- Test research hypotheses using SPSS

Our Goal

- Our goal is to help postgraduate students:
 - ✓ Complete their theses faster
 - ✓ Produce high-quality research
 - ✓ Publish in academic journals
 - ✓ Build strong research and analytical skills

Delivery

Training will be delivered through:

- Hands-on practical exercises
- Interactive sessions
- Step-by-step SPSS demonstrations
- Guided practice
- Opportunities to analyze participants' own datasets

Active Participation

Participants are encouraged to:

- Ask questions
- Practice using datasets
- Share research challenges
- Apply the techniques to their own studies

Let's Begin

Session 1: Basics of SPSS

First Trainer