

## **SPSS Course Curriculum (4 Weeks)**

### **Week 1: Introduction & Setup**

- What is SPSS and when to use it
- Navigating the SPSS interface
- Importing data from Excel and other formats
- Defining variables and value labels
- Data entry and saving projects

### **Week 2: Descriptive Statistics**

- Frequency tables and descriptive summaries
- Exploring distributions: mean, median, mode
- Charts: bar graphs, pie charts, histograms
- Crosstabulations and percentages
- Identifying and handling missing values

### **Week 3: Inferential Statistics**

- Introduction to statistical testing
- Running t-tests and chi-square tests
- Correlation and regression basics
- Interpreting outputs and tables
- Assumptions and diagnostics

### **Week 4: Application & Reporting**

- Conducting a mini research project
- Formatting tables and charts for reports
- Exporting outputs to Word and PDF
- SPSS syntax basics for repeatable analysis
- Final recap and career tips