

## **Call for Application: Learn SPSS From Scratch to Advanced (SPSS Masterclass)**

### **1. Introduction**

Data is the new frontier of 21st century. According to a Harvard Business Report (2012) data science is going to be the hottest job of 21st century and data analysts have a very bright career ahead. This course aims to equip learners with ability of independently carrying out in-depth data analysis with professional confidence and accuracy. It will specifically help those looking to derive business insights, understand consumer behaviour, develop objective plans for new ventures, brand study, or write a scholarly article in high impact journals and develop high quality thesis/project work.

A good knowledge of quantitative data analysis is a sine qua none for progress in academic and corporate world. Keeping this in mind this course has been designed in such way that students, researchers, teachers and corporate professionals who want to equip themselves with sound skills of data analysis and wish to progress with this skill can learn it in in-depth and interesting manner using IBM SPSS Statistics.

### **2. Lesson Outcomes:**

On completion of this course, you will develop an ability to independently analyze and treat data, plan and carry out new research work based on your research interest. The course encompasses most of the major type of research techniques employed in academic and professional research in most comprehensive, in-depth and stepwise manner.

### **3. Pedagogy:**

The focus of current training program will be to help participants learn statistical skills through exploring SPSS and its different options. The focus will be to develop practical skills of analyzing data, developing an independent capacity to accurately decide what statistical tests will be appropriate with a particular kind of research objective. **The program will also cover how to write the obtained output from SPSS in APA format.**

### **4. Pre-requisite:**

A love for data analysis and statistics, research aptitude and motivation to do great research work.

## 5. What you'll learn:

- ✓ Analyse any type of numerical data using SPSS with confidence
- ✓ Independently plan your research study and Data Analysis from scratch.
- ✓ Understand the research design and results presented in high quality journal articles
- ✓ Do data analysis accurately and present the results in APA format.
- ✓ Data Entry and Data Cleaning in SPSS
- ✓ Data Organization Using SPSS
- ✓ Data Transformation Using SPSS
- ✓ Sample as well as Population Level Descriptive Analysis Using SPSS
- ✓ Analysis of Group Differences Using t-Test and ANOVA
- ✓ Linear and Multiple Regression Analysis in SPSS
- ✓ Hierarchical and Advanced Regression Analysis in SPSS
- ✓ Logistic Regression
- ✓ Exploratory Factor Analysis (EFA)
- ✓ Chi-Square and Measures of Association
- ✓ Reliability Analysis and Scale Validation Using SPSS
- ✓ Graphical Representation and Advanced Data Visualization Using SPSS
- ✓ Moderation and Mediation Analysis Using PROCESS Macro in SPSS
- ✓ General Linear Modelling Vs. Generalized Linear Modelling in SPSS
- ✓ Repeated Measure ANOVA
- ✓ Correlational Analysis in SPSS
- ✓ Analysis of Associations in SPSS
- ✓ Analysis of Covariance (ANCOVA)
- ✓ Multivariate Analysis of Variance (MANOVA)
- ✓ SPSS Programming Using Python
- ✓ Ratio Statistics in SPSS
- ✓ TURF Analysis in SPSS
- ✓ Survival Analysis

- ✓ Meta Analysis

## 6. Who this course is for:

- PhD students and researchers looking to master SPSS skills and publish in high impact journals
- Professionals looking for a career in analytics in corporate sector
- Faculty members looking to master SPSS and advance their data analysis skills

## 7. Certification

Deso IT Lab issues Completion Certificates to participants who successfully attend the course and pass the course test.

## 8. Training fees, Venue and Date:

This training will be held at Deso It Lab premises located at KN4 Avenue, Imbuga City Wolk opposite Equity Bank from 13<sup>th</sup> to 15<sup>th</sup> December 2024, 09AM – 05PM (Weekend program) and 08<sup>th</sup> to 13<sup>th</sup> December 2024, 06PM – 08PM (Evening program).

Program & Time	Dates	Batch	Training Mode
Weekend (09AM – 05PM) Friday, Saturday and Sunday	13 <sup>th</sup> to 15 <sup>th</sup> December 2024	1	Classroom based: Deso IT Lab
Evening Program (06PM – 08 PM) Monday to Friday	08 <sup>th</sup> to 13 <sup>th</sup> December 2024	2	Classroom based: Deso IT Lab

Participants are encouraged to bring their own laptops

### Training fees: 200,000Rwf (including SPSS book for learners)

To book your space, kindly proceed by paying the training fees through the following bank details:

- Bank Account: **100072274568** (Bank of Kigali)
- Title of the Account: **Deso Engineering Co LTD**

Scan the bank slip and send it to: [info@desoitlab.rw](mailto:info@desoitlab.rw) or via whatsapp on **+250 739915774**

## 9. Other Available Profession trainings:

- CCNA: Cisco Certified Network Associate
- CCNP: Cisco Certified Network Profession
- CompTIA Network +
- CompTIA Security +
- CompTIA PenTest +
- Project Management Profession (PMP)
- Statistical Software: SPSS and STATA

### NB: Tailor-Made Courses

We offer tailor-made courses to meet the specific needs of organizations.

For further clarifications, please contact us at **+250 739915774**, email us at [dtuyisenge@desoitlab.rw](mailto:dtuyisenge@desoitlab.rw), [info@desoitlab.rw](mailto:info@desoitlab.rw) or visit our web site: [www.desoitlab.rw](http://www.desoitlab.rw)

**Eng. Desire TUYISENGE**

Managing Director

**“Data is divine. Rest is blasphemy.”**