

Statistical Consulting Unit**Workshops/Training courses****Spring 2023**

Title: Data Analytics using SPSS – Intermediate course**Statistical Software:** SPSS**Requirements:** Introductory course in Statistics**Instructor:** Dr. Samir Safi**Target Group:** Postgraduate students and interested researchers**Date:** 6 March – 12 March**Period:** 3 days, 4 hours/day**Platform:** Face to face Meeting**Inclusive of Scientific Materials:** PowerPoint Slide Presentation and E-Certificate**Workshop Fee:** 1500 AED**Contact US:** statconsult@uaeu.ac.ae

Description:

This workshop introduces participants to the classical methods and techniques of descriptive statistics and statistical inference and applications from different fields. Topics include descriptive and exploratory data, inference involving univariate statistical analysis, t-tests, and ANOVA.

Topics Covered:**Day 1:**

- Introduction to appropriate statistical software to analyze data, (SPSS).
- Conduct appropriate exploratory analysis to describe the data.
- Data cleaning and manipulation.

Day 2:

- Describe the concept of sampling distribution and interval estimation.
- Introduction to Parametric and Non-Parametric tests.
- Analyze data to make inference about a one, or two population Means and Proportions.

Day 3:

- Compare several independent groups' means (One and Two-Way factor ANOVA).
- Compare several dependent groups' means (ANOVA for Repeated measures).
- Case study.