

## Training Course    **Data Analysis with SPSS**

Course Language    **English**

Course Duration    Total Number of hours: 15 hours (3 hours per day – 5 days)  
 Dates: 09 Sep – 18 Sep 2024  
 Days: Monday, Wednesday and Thursday  
 Time: 5:00 – 8:00 pm

Course Objectives    Acquaint the participants with the basic principles and knowledge of applied statistical concepts.  
 Train the participants to use the SPSS software for analysis of real life data  
 Equip the participants with the choice of statistical method that better suits their research design and objectives  
 Equip participants to use the statistical analysis for problem solving and decision making

Course Content    **Course Key Topic Area Includes:**  
 Introduction to Applied Statistics  
 Introduction to SPSS Graphical User Interface  
 Data Cleaning and Management in SPSS  
 Descriptive Statistics  
 Data Visualization  
 Introduction to inferential statistics  
 Parametric/Non-parametric tests  
 Reliability analysis  
 Correlation Analysis  
 Multiple linear regression  
 Logistic Regression

**At the end of the program the trainees will be able to:**

Demonstrate a solid understanding of fundamental data analysis concepts

Develop proficiency in using SPSS software for data management, analysis, and visualization.

Be able to use SPSS for descriptive and inferential statistical procedures

Be able to interpreting and report the SPSS analysis results for problem solving and decision making

**Learning Outcomes**

**Target Audience**

Graduate students

Research professionals

Business Analysts

Healthcare/Social Scientist

Those interested in professions related to data analysis

**Course Material /Technology used/ Details Relevant to the course**

Participants need to use the SPSS software

Presentation material will be provided

**Instructor Details & Brief Instructor Bio**

Name: Dr. Saddam Akber Abbasi

Title/Dept: Associate Professor (Dept. of Mathematics, Statistic and Physics) and Supervisor of Statistical Consulting Unit

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Dr. Saddam Abbasi is currently working as an Associate Professor of Statistics in the Department of Mathematics, Statistics and Physics, College of Arts and Science, Qatar University. He also holds the position of Supervisor of the Statistical Consulting Unit at QU. He received Ph.D. degree in Statistics from The University of Auckland, New Zealand in 2013. Since then, he has served at prestigious institutions including 7 years of experience at Qatar University. He is deeply involved with research in the field of quality control, data science and industrial engineering. His research work resulted in more than 100 ISI ranked research articles with more than 2200 citations and an h-index of 27. He also acts as a reviewer for several international journals and conferences.