Course Overview:

Statistics is the science of data collection and analysis. Statistics is looked an important and necessary tool for the interpretation of their measurement results. Statistics find important uses in everyday life. They are used widely to condense, describe, and evaluate data. Simple statistics can provide a meaningful summary.

Course Objective:

Participants will be used to carry out all data analyses.
1. The "Statistical Package for the Social Sciences" (SPSS) is a package of programs for manipulating, analyzing, and presenting data; the package is widely used in the social and behavioral sciences. There are several forms of SPSS. The core program is called SPSS Base and there are a number of add-on modules that extend the range of data entry, statistical, or reporting capabilities.
2. SPSS, standing for Statistical Package for the Social Sciences, is a powerful, user-friendly software package for the manipulation and statistical analysis of data. The package is particularly useful for students and researchers in psychology, sociology, psychiatry, and other behavioral sciences.

Course Outline:

1. Statistics Definition
2. Statistics Analysis definition
3. Importance of statistics analysis
4. Kinds of statistics
5. Definition of Data
6. KINDS OF DATA
7. Presenting Data
- Tables
- Charts
- Pie charts
- Bar charts
- Graphs
1. ACCURACY, PRECISION, AND BIAS
2. POPULATIONS AND SAMPLES
3. Descriptive statistics
- Mean
- Median
- Mode
- Range
- variance
- Standard deviation
1. Variables and its types
2. Distributions
3. Data Analysis techniques
4. Introduction to probability
5. Statistics software:
- Spss

Training Language:

EN / AR

Training Methodology:

- Presentation & Slides
- Audio Visual Aids
- Interactive Discussion
- Participatory Exercise
- Action Learning
- Class Activities
- Case Studies
- Workshops
- Simulation

- Minitab
- SAS
- S-plus
- Statistical

1. Statistical Analysis with SPSS

- Data Entry
- Storing and Retrieving Data Files
- The Statistics Menus
- The Output Viewer
- The Chart Editor
- Menus explanation
- Tools explanation
- Correlation
- Linear regression
- Tests
- Analysis
- Cases

Who Should Attend:

Managment team, supervisors and any one from finance ,accounting and purchasing departments