



HEADWAY

**Accelerating the Next Generation of
Professionals with Profound Skills of
Research and Analysis!**

International Training on Research Design, Data Management and Statistical Analysis Using SPSS in Tashkent

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Introduction

Informed decision making is facilitated through research. Different techniques and data sets for research are helpful to businesses and consumers. The skills to conduct a research and analyze the data using SPSS are crucial to researchers. At the end of this course participants should have acquired knowledge and skills in the systemic undertaking of a research using quantitative techniques, data collection methods and data analysis and interpretation.

Training Objectives

1. Understand the terms and concepts of statistical data
2. Design and conduct a research
3. Use SPSS for data analysis
4. Manage research data using software
5. Carry out statistical tests using software
6. Writing reports from survey data

Who Should Attend?

The training is designed for participants who intend to learn the use of SPSS for data management and data analysis. The course targets individuals in the corporate world, in the public sector, and in research institution, NGOs.

Training Outline

1.Introduction to research

1. Meaning of research
2. Research types
3. Problem statement
4. Hypothesis
5. Research design

6. Research ethics

2. Introduction to Survey Design

1. Introduction to survey design
2. Survey objectives
3. Research questions creation
4. Survey estimation
5. Sample survey versus census
6. Target population determination
7. Sampling frame
8. Survey instrument
9. Errors in survey; sampling and non-sampling errors

3. Sampling

1. Determination of a sample size
2. Power calculations
3. External and internal validity
4. Methods of sampling

4. Survey Questionnaire Design

1. Designing questionnaires
2. Questions
3. Error in questionnaire response
4. Layout of questionnaire
5. Questionnaire piloting
6. Processing of questionnaires

5. Mobile Data Collection and Processing (ODK)

1. Introduction to mobile data collection
2. Using ODK build and XLS form to develop survey forms

3. Utilization of ODK collect for data gathering
4. Utilization of ODK aggregate to upload data to the server
5. Spatial data (GPS)

6. Survey Data Processing

1. Coding of data
2. Capture of data
3. Editing of data
4. Imputation of data
5. Treatment of outliers

7. Introduction to SPSS statistical software

1. Features and interface of SPSS
2. SPSS terminologies
3. Preparation of data file
4. SPSS data entry
5. Manipulation of data; split, merge, sorting of files and missing values

8. Basic Statistics using SPSS

1. Descriptive statistics for numeric variables
2. Frequency tables
3. Variables of distribution and relationship
4. Cross tabulations of categorical variables
5. Banner and stub Tables

9. Graphics using SPSS

- Introduction to SPSS graphs
- SPSS Graph commands
- Types of SPSS graphs

10. Statistical Tests using SPSS

1. One Sample T Test
2. Independent Samples T Test
3. Paired Samples T Test
4. One-Way ANOVA

11. Statistical Associations in SPSS

1. Chi-Square test
2. Pearson's Correlation
3. Spearman's Rank-Order Correlation

12. Predictive Models using SPSS

1. Linear Regression
2. Multiple Regression
3. Logistic Regression
4. Ordinal Regression

13. Longitudinal Analysis using SPSS

1. Longitudinal data features
2. Exploring Longitudinal data
3. Longitudinal analysis for continuous outcomes

14. Qualitative Data Analysis using NVivo

1. Introduction to NVivo
2. NVivo workspace
3. NVivo upload of qualitative data
4. Coding and nodes making
5. Queries utilization
6. Visualization of project

15. Survey Report writing and Dissemination

1. Format of survey report
2. Content of survey report
3. Dissemination of survey findings

Training Course Budget

4. SPSS	TBD	40 hrs	10 Sessions/ 4 hrs each	350 L.E
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Full package:

Investment		Structure:	
1,100 USD		This investment fee is for an individual joining the event	
S.No.	Particulars	Details	Remarks
01	Training and Exposure	For Full 06 Days which is going to be facilitated by International level trainers and facilitator	
02	Training Materials	Standard Manual	
03	International Certificate	Endorsed by international academic institutions	
04	Breakfast	Daily	
05	Lunch and Refreshment	Daily	
06	Visa Facilitation	Including invitation and other formalities required	
07	Accommodation	For 07 Days	
10	Round Trip Tickets	Round Trip Tickets provision for each participant joining the event from Kabul-Tashkent-Kabul	

Registration form



Training Course Registration Form

Headway International Academy

Training Name	
*Name	
*Passport No.	
*Gender	
*Position	
*Organization	
*Country	
*Address	
*Telephone	
FAX	
*E-mail:	
*Fees	<input type="checkbox"/> Paid by the participant <input type="checkbox"/> Sponsored by organizations
*Signature	

*Comments	Any food preference? Any required disability arrangement?
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*Mandatory fields