INTRODUCTION TO STATA

2-Day Professional Development Workshop

Date & Timing

15-16 February 2014
From 9:00 AM. to 5:00 PM

Venue

Venue: ICPD, 17-G, Ali Zaib Road, Gulberg III, Lahore, Pakistan

Program Overview

This course will provide participants with sufficient knowledge of STATA
- To analyze data obtained from surveys, experiments and other sources.
- To structure a data analysis plan and to export the results of their analyses.
- To keep records of their work and create reproducible analyses
- To use Stata’s data management, graphics, data analysis and statistical modeling capabilities.
- To use it in wide variety of scenarios and for managerial decision making in Finance, Marketing, Investment, Operations and Business Intelligence.

About STATA

STATA is a statistical software package that offers a broad range of statistics to professional researchers in many disciplines. Stata is particular useful to professionals working in areas of biostatistics, medical research and economic research.
**STATA vs. EXCEL**

1. STATA make work more efficient, e.g. Summarize in Stata (1 command) = Average + Stdev + Count etc (3-4 commands) in EXCEL.
2. Stata easily merges data from multiple sources while Excel requires numerous manual steps.
3. A Batch of commands in STATA can be reproduced with one click while in Excel you have to do the process again and again manually.
4. STATA is Memory efficient as working with more than 10,000 rows of data for 300 variables is fast while Excel is difficult and slow if it has 10,000 rows of data.
5. STATA has powerful chart/graph editing options and the graph presentation is much better than Excel.
6. Cannot make common mistakes, such as not selecting all data while sorting.
7. Managing and preparing data for analysis is a breeze in STATA 1 command system which does work in the background while the same is a hassle in Excel.
8. All the most-used predictive methods (OLS, MLE, GLS etc.) models built in STATA and easy to use.
9. STATA can be used three ways: (1) interactively with menus and dialog boxes; (2) interactively using command syntax; and (3) batch using pre-written programs of code called do files.
10. The documentation for Stata is excellent, with the ability to download data sets that are used in examples in the documentation.
11. Strong user base, with user-written add-ons available for usage.
12. For programmers: Stata also has a full-fledged matrix programming language called (Mata) which makes it expandable.

**Who should Attend**

The course will benefit **Business Managers** in the domain of finance, consulting, investment management, business intelligence, operation and marketing.

**Data analysts** handling large data sets in economics, statistics, sociology, education, public policy and monitoring and evaluation.

**Researchers, analysts** and students interested in identifying and mastering a statistical software package for analysis of sample and complex data.

**Users of alternative software packages** (e.g. SAS, R, SPSS, Excel) Those who seeks an accelerated and in-depth introduction to a powerful, popular, and flexible statistical software package.
Prerequisites
The training assumes no prior knowledge of Stata but participants should be comfortable with basic statistical techniques.

Course Outline
Module 1: Interface of Stata
Module 2: Improving/exporting data sets from Excel
Module 3: Tabulating Data
Module 4: Frequency Table
Module 5: Generating and Deleting Data
Module 6: Eigen Function
Module 7: Logic and Boolean
Module 8: Graphs using Stata
Module 9: Combining two or more datasets
Module 10: Data Cleaning
Module 11: Making Useful Commands
Module 12: Other Useful Commands

Fee & Registration
The fee per participant is PKR 10,000. Some fee concession are also available for following:
- Group discount 20% for a group of two or more people
- Student discount 50%
- Early bird discount 20% for those registering in advance till 30th January
- Bring your own laptop or deposit a PKR 1000 security for laptop

The number of participants is restricted. Please register early to guarantee your place. Please return the registration form with the evidence of payment through postal or electronic mail.

Payment Methods
The payment can be made in 3 ways
1. Cash payment at ICPD office
2. Cheque drawn in favor of The Institute for Career and Personal Development, submitted at ICPD office
3. Online payment in the following bank account

Account Name: The Institute for Career and Personal Development
Account Number: 0011-0081-029583-01-5

Registration forms
For registration fill in the following form
https://docs.google.com/forms/d/1pHdWcfAwNFXjVJX5YvxOUrHe5UTGrEx7UMiQzui4g/viewform
Facilitator Profiles

Mr. Usman Ghaus  
*Faculty, Department of Economics, Lahore University of Management Sciences (LUMS)*  
*M.Sc. Economics, Lahore University of Management Sciences (LUMS)*

Mr. Usman Ghaus is a trainer, a data analyst and a researcher. He is currently working as a full time faculty member in LUMS and is a Monitoring and Evaluation consultant at USAID-DRDF’s Dairy Project. He has been assisting professors in research and has trained numerous people in using STATA and EXCEL. He has conducted workshops and trainings in LUMS, CERP and the Dairy and Development Foundation (DRDF). He has a very good command over STATA, Microsoft Excel and MATLAB.

Mr. Mobeen Ajmal  
*Faculty, Department of Finance, School of Business & Economics, University of Management and Technology (UMT)*  
*MBA, Lahore University of Management Sciences*

Mr. Mobeen Ajmal is a trainer and a resource person. He is currently working on becoming a Chartered Financial Analyst (CFA). He has been a Research Associate at LUMS and worked under Dr. Zeeshan Ahmed, Dr. Ali Khalid Malik, and Dr. Farooq Naseer all who are well known for their work in economics and finance. Mobeen has done consultancy work for Lahore Stock Exchange, Dawood Group, Moblink and ACCA Pakistan. He has done extensive work with MATLAB, STATA, RATS, SPSS, STAMP and Microsoft Excel.