Course Content:

Basics of Data and its properties

Introduction to SPSS: Data View and Variable View

- Creation of new variable and data transformation
- Descriptive Statistics, Frequency distribution by Visual Binning,
- Cross Tabulation

Outlier Management : Box-plot,

Tests of Normality : by Histogram, Kolmogorov- Smirnov, Shapiro-Wilk,

Test of reliability : Cronbach Alfa

Concepts of Correlation and Regression

- Interpretation of results
- Checking of Heteroscedasticity, Autocorrelation
- Multicollinearity by VIF Factor

Theory of Hypothesis

- Independent Sample t test,
- Paired Sample t test
- Chi-Square Tests of Independence

Analysis of variance (ANOVA)

- One way ANOVA
- Two way ANOVA
- Post-hoc tests

Non-Parametric Tests

- Mann-Whitney Rank-Sum Test
- Kruskal–Wallis Test
- Sign Test
- Wilcoxon Test
- Runs Test
- Friedman Test

Factor Analysis (EFA)- with communalities

- *Eigen values and scree plot. KMO & Bartletts test*
- Principal Component Analysis (PCA)

Confirmatory Factor Analysis (CFA) by AMOS

Logistic Regression

Discriminant analysis

One Week Workshop on

Research Methods in Social Science Using SPSS & AMOS

12-18 July 2018 (Thursday to Wednesday)

Organized by

Bharatiya Vidya

Bhavan

INSTITUTE OF MANAGEMENT SCIENCE

Block FA, Sector III, Salt lake City, Kolkata- 97

Phone: (033) 2335-1283/ 84. www.bimskol.org

In Collaboration with

SPSS

BIMS- Kolkata

Bharatiya Vidya Bhavan Institute of Management Science is a leading B-School in Eastern Region approved by AICTE which is situated in Saltlake, Kolkata. The Institute is offering regular MBA and BBA Programme affiliated to MAKAUT (formerly WBUT).

Course Objectives:

The course has been designed with an objective of developing basic knowledge about data handling for research by different research methods with software on a practical basis.

The course focuses on practising self-handling of research tools by SPSS Software individually by all participants.

Course Description and Resource Person:

The Course will address both the theoretical or conceptual parts of research techniques as well as detail demonstration of application of the same through SPSS and AMOS Software following the sequence given in the Course Content. The sessions will be addressed by experienced faculty members of **IIFT Kolkata, NIT Durgapur, West Bengal State University, St. Xaviers College, BIMS Kolkata, SPSS Inc. etc.**

Target Participants:

Research scholars and Post Graduate students of different Universities in the area of **Management, Commerce,** and different subjects of **Arts and Social Science** like **Economics, Education, Sociology, Psychology, Geography, History** and faculty members of different academic institutions in the same field.

Salient features of this workshop are:

➢ Participants will get full scope of hands- on operation
➢ Every topic will be imparted with suitable data file
➢ Participants need not bring their own laptops
➢ One CD will be provided with SPSS (v.25) and AMOS software (with a validity of 15 days) to all the participants by SPSS South Asia.
➢ Certificates will be issued jointly by SPSS and BIMS with SPSS logo.

Venue:

Bharatiya Vidya Bhavan Institute of Management Science.
Block FA, Sector III, Salt lake City, Kolkata- 97, WB
Phone: (033) 2335-1283/ 84.www.bimskol.org

Course Fees and Registration Process:

Number of participants is 24 (appx.). Total Course fees is Rs.4,000/- payable by cash or cheque or Draft in favour of 'Bharatiya Vidya Bhavan Institute of Management Science'. Fees also can be paid online by NEFT/ RTGS. Candidates will be registered on first come first serve basis. The filled - in Registration form is to be sent by 7th July, 2018. **There is a provision of early bird registration within 25th June with discounted Registration Fees of Rs. 3,500/-.**

Contact Person & Workshop Coordinator :

Dr. Shantanu Chakraborty, Associate Professor,
M: 9231622657, Email: santanu.wb2012@gmail.com;

Organising Committee:

Dr. R. K.Patra, Principal
Dr. Shantanu Chakraborty, Associate Professor,
Ms. Semanti Debroy Sen, Assistant Professor