

Annexure-2

Syllabus for Certificate Course on "Statistical Data Analysis using SPSS"

Unit	Content	Hours
I	Introduction to SPSS Data Management Data Transformation Hands on training & Quiz	05
II	Describing Data Numerically Describing Data Graphically Descriptive Statistics Hands on training & Quiz	05
III	Parametric Test (i) One Sample t-test (ii) Independent Sample t-test (iii) Paired Sample t-test (iv) One-way ANOVA (v) One-way Repeated Measure ANOVA (vi) Two-way ANOVA Correlation & Regression Analysis: bivariate, partial and multiple and curve fitting Hands on training & Quiz	15
IV	Nonparametric Test (i) One sample (ii) Two independent samples (iii) k independent samples (iv) Two related samples (v) k related samples (vi) Chi-square test Hands on training & Quiz	15
	Case Study & Group Project	5
	Total	45

References Books:

1. Miller R.L., Ciaran Acton and Fullerton D.A., John Malthy (2009), "SPSS for Social Scientists"; 2nd Edition, Palgrave Macmillan. ISBN: 9780230209930.
2. Wagner W.E. III (2006): "Using SPSS for Social Statistics and Research Methods"; SAGE Publications, ISBN-13: 9781412940771.
3. Einsprucho E.L.: "An Introductory Guide to SPSS for Windows"; ISBN: 1-412904153.
4. Pandya K. and Bulsari S.: "Enjoy Statistics with SPSS for Windows"; Popular.
5. Gaur A.S. and Gaur S.S. (2009): "Statistical Methods for Practice and Research - A Guide to Data Analysis using SPSS"; 2nd Ed., Sage Publications, New Delhi.
6. George: "SPSS For Windows: Step By Step"; 8th Ed., Pearson, ISBN: 8131724298, 9788131724293.

Pattel

Rajeev AS

PROF. & HEAD
Department of Statistics
K. J. Somaiya Institute of Management Studies & Research
V. J. Somaiya Institute of Technology
Sion Road, Borivli (W), Mumbai - 400 075