TLCE

TEACHING LEARNING CENTER OF EXCELLENCE · VIT, VELLORE

உழைப்பே உயர்வு தரும்

Faculty Development Program

VIT®
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

Title : Mastering the Data: Hands-on Training of Statistical Package for the Social Sciences (SPSS) for Researchers

Date : 2024-04-15 - 2024-04-17
Time : 10:00 - 17:30
Venue : TT725

Discussion Points

- Steps in Research - Dr. S. Prabakar
- Framing of Questionnaire or Interview Schedule - Dr. S. Prabakar
- Editing and coding of Data - Dr. J. Balamurugan
- Frequency Distribution - Dr. J. Balamurugan
- Cross tabulation or bivariate analysis and Chi-square test - Prof. N. Audinarayana
- Hypothesis testing - Dr. J. Balamurugan
- Inferential Statistics - Mean and SD - Prof. N. Audinarayana
- Parametric tests - Independent sample t-test, paired-test and ANOVA - Prof. N. Audinarayana
- Correlation, Bivariate, Partial & Matrix - Prof. N. Audinarayana
- An introduction to Multivariate Data Analysis - Dr. G. Sriram
- Multivariate analysis 1 (Linear, Step-wise Regression) - Dr. G. Sriram
- Multivariate analysis 2 (Logistic Regression - Binary, Multinomial) - Dr. G. Sriram

	Resource Person 1 - Details **Name :** Prof N Audinarayana **Designation :** Retired Professor, Department of Sociology and Population Studies **University/ Company :** Bharathiar University, Coimbatore **Address :** India, 641046.
	Resource Person 2 - Details **Name :** Balamurugan J **Designation :** Assistant Professor Sr. Grade 2, School of Social Sciences & Languages **University/ Company :** VIT, Vellore **Address :** India, 632014.
	Resource Person 3 - Details **Name :** Prabakar S **Designation :** Associate Professor Sr., School of Social Sciences & Languages **University/ Company :** VIT, Vellore **Address :** India, 632014.
	Resource Person 4 - Details **Name :** Sriram G **Designation :** Assistant Professor Sr. Grade 2, School of Social Sciences & Languages **University/ Company :** VIT, Vellore **Address :** India, 632014.

Resource Person's Profile :

1. Profile of Prof N Audinarayana

Prof N Audinarayana, Retired as Professor and Head of the Department of Sociology and Population Studies, Bharathiar University. He has served as Dean of the Faculty of Social Sciences. He holds an M.A., M. Phil., and Ph.D. Degrees in Population Studies, S.V. University, Tirupati. He has 28 years of teaching experience and 35 years of Research Guidance. He has guided so far 11 M.Phil., and 14 Ph.D. Candidates. He has completed 17 major and minor funded projects.

2. Profile of Balamurugan J

Dr. J Balamurugan is an Assistant Professor at the Department of Social Sciences, SSL, VIT, Vellore. He holds M.A., M.Phil., and Ph.D. degree from Department of Sociology, Pondicherry University, Puducherry. He has more than 10 years of undergraduate teaching experience. He has participated in and presented several research papers at both National and International conferences and published many research articles in reputed journals, edited books, and conference proceeding.

3. Profile of Prabakar S

Dr. S. Prabakar is an Associate Professor, Department of Social Sciences, SSL, VIT, Vellore. He holds M.A., and Ph.D. degree from Department of Sociology, Pondicherry University, Puducherry. He has more than 15 years of undergraduate teaching experience. He has participated and presented many research papers in both National and International conferences and published a number of research articles in reputed journals, edited books and conference proceeding in National and International forums.

4. Profile of Sriram G

Dr Sriram G is an Assistant Professor (Senior) of Economics at the Department of Social Sciences, SSL. He completed his undergraduate and postgraduate degrees at Loyola College, Chennai and did his MBA from the University of Madras. He has more than 20 years of undergraduate teaching experience. He has published many papers in Scopus-indexed journals. His research interests include Corporate financial decisions, Behavioural Decision making and Game theory.

This FDP equips researchers with the necessary skills to confidently utilize the Statistical Package for the Social Sciences (SPSS) for data analysis in their research projects. The hands-on training approach emphasizes practical application through real-world examples, allowing participants to gain proficiency in Data entry and manipulation, Descriptive, statistics, Hypothesis testing, Regression analysis, and Data visualization. By the end of the programme, researchers will be able to effectively analyze their data using SPSS, interpret results, and communicate findings clearly and concisely. This FDP is ideal for researchers with basic computer skills and no prior experience with SPSS.

The primary tool for practice is, of course, SPSS. The course likely involves working through exercises and examples directly within the software. Utilize the data sets provided in the course or find your own publicly available data sets to practice your newly acquired skills.

Coordinator's: **Prof. BALAMURUGAN J 13961 - Assistant Professor Sr. Grade 2 - SSL**
                       Prof. PRABAKAR S 12934 - Associate Professor Sr. - SSL