

FACULTY DEVELOPMENT PROGRAMME

ON

Research Methodology and Data Analysis using SPSS



TECNIA INSTITUTE OF ADVANCED STUDIES
GRADE "A" INSTITUTE

Approved by AICTE, Ministry of HRD, Govt. of India, Affiliated to GGSIP University
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Report

Event	:	Faculty Development Programme
Topic	:	FDP on Research Methodology and Data Analysis using SPSS
Date	:	27 th to 31st December 2021
Time	:	3.00PM to 5.00 PM
Venue	:	TIAS
Resource Person	:	Mr. Harsh Kumar Singh Data Scientist & Consultant Team Analytic Square www.traininginsas.com, Email- analyticsquare@gmail.com Contact- 9899714317
Beneficiaries	:	18 Faculties
Convener	:	Dr. Sandeep Kumar

Learning Objective

- To impart knowledge on the various statistical tools for the excellence in research.
- To give the insights on SPSS software
- To analyze data using basic and advance statistical techniques in SPSS
- To Interpret SPSS output tables

ABOUT FDP

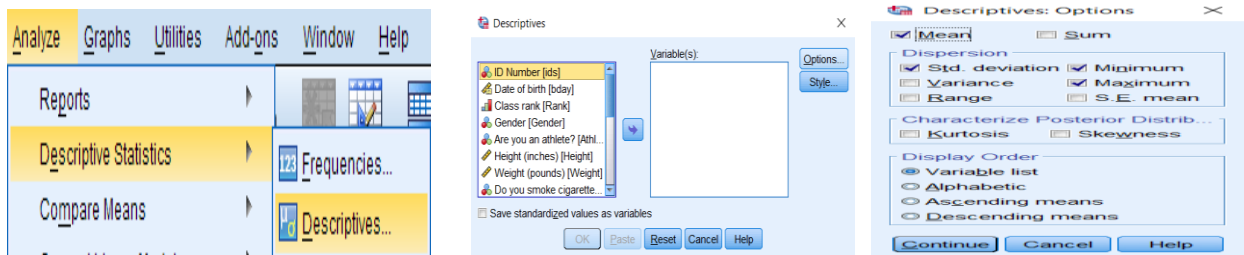
Data analytics is all about looking at various factors to see how they impact certain situations and outcomes. When dealing with data that contains more than two variables, multivariate analysis is used. Multivariate analysis encompasses a whole range of statistical techniques. These techniques allow us to gain a deeper understanding of concerned data in relation to specific business or real-world scenarios. This one week FDP was intended to train participants with basic & advance data analysis skills using SPSS to produce quality research work.

Day 1, 27th December 2021

The first day of the Programme commenced with the Inauguration of the FDP by Dr. Ajay Kumar, Director, TIAS. He felicitated Mr. Harsh Kumar Singh, Data Scientist & Consultant, of Analytic Square resource person of this FDP. The introduction to the FDP was given by Dr. Ajay Kumar, Director. He welcomed all the participants to Tecnia Institute. The topics covered on first day include Introduction to Software-SPSS version 26, Data Structure, Data Types, Import and Export Data, Data Manipulation, Data Transformation. This made the participants learn about the basic entries in SPSS hence developing their research skills.

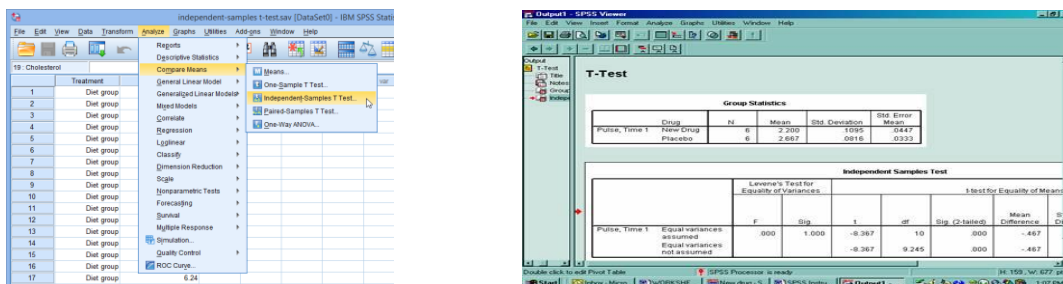
Day 2, 28th December 2021

The topics covered on second day include Aggregation and Summary Reports, Descriptive Statistics, Functions and Formulas Sets. In continuing with previous Day, Mr. Harsh explained participants in details about Aggregation & Summary Reports, Descriptive Statistics and Functions & Formulas Sets. The session helped the participants in developing their concepts on Descriptive Statistics.



Day 3, 29th December 2021

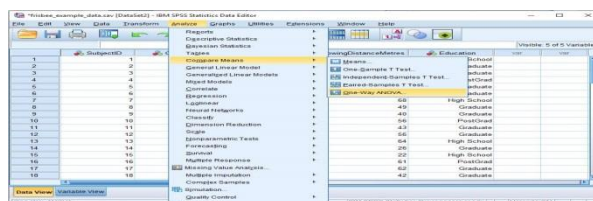
The topics discussed on third day include how to test Hypothesis, One Sample T-Test, and Two Sample T-Test & Paired T-Test in SPSS.



Day 4, 30th December 2021

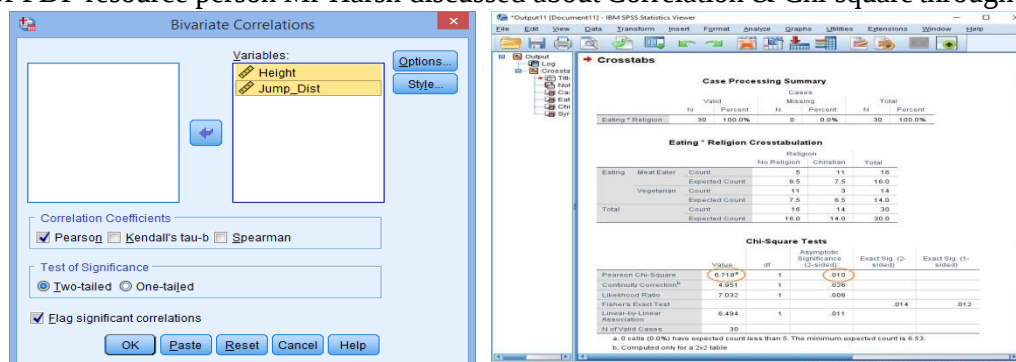
The topics covered on fourth day include One Way ANOVA, Multivariate ANOVA, Correlation & Chi-Square.

Mr. Harsh explained that ANOVA is short for Analysis of Variance. He said that the main purpose of an ANOVA is to test if two or more groups differ from each other significantly in one or more characteristics. He further discussed how to test one way ANOVA in SPSS.



Day 5, 31st December 2021

Last day of FDP resource person Mr Harsh discussed about Correlation & Chi square through SPSS.



At the end of session session Convener Dr. Sandeep Kumar interacted with the participants and enquired about the feedback of FDP. The feedback of the participants was very positive.



Participants at FDP

At the end, the valedictory session was concluded with a vote of thanks by Dr. Sandeep Kumar, Professor, TIAS, in which he has been paid his gratitude towards the resource person who has spared his time with participants to share his expertise. He has given thanks to participants.

Learning Outcome

- Participants have learnt about statistical requirements of research
- Participants have learnt to use in SPSS Data Analytics.
- Participants have analyzed data using basic and advance statistical techniques in SPSS.
- Participants have interpreted SPSS output tables and report findings.

In totality, all the sessions were very much informative. The discussed areas are of great benefit for the participants as the topics match with the academic curriculum. Participants were enlightened with the most widely used advance SPSS techniques. This in turn will help in motivating Faculties & Researcher to use SPSS in their concerned Data analysis.

List of Participants

S.No.	Full Name of the Faculty	Designation	Program/Department
1	Dr. Garima Singh	Assistant Professor	Management Science
2	Dr. Yogendra Pratap Singh	Professor	Management Science
3	Ms Priyanka Singh	Assistant Professor	Journalism & Mass Communication
4	Dr. Madhava Nath Jha	Professor	Management Science
5	Ms. Megha Sharma	Assistant Professor	Management Science
6	Ms Ritika Choudhary	Assistant Professor	Journalism & Mass Communication
7	Dr. Shaheen Bano	Assistant Professor	Journalism & Mass Communication
8	Dr. Deepak Sonker	Associate Professor	IT & Computer Science/Application
9	Ms Megha Mohan	Assistant Professor	Management Science

10	Mr. Rinku Sethi	Assistant Professor	Journalism & Mass Communication
11	Dr. Ruchi Srivastava	Associate Professor	Management Science
12	Mr. Mayank Arora	Assistant Professor	Journalism & Mass Communication
13	Dr. Sachin Sabharwal	Associate Professor	Management Science
14	Mr. Bal Krishna Mishra	Assistant Professor	Journalism & Mass Communication
15	Mr. Rahul Tripathi	Assistant Professor	Management Science
16	Dr Sandeep Kumar	Professor	Management Science
17	Ms Sania kukkar	Assistant Professor	IT & Computer Science/Application

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