



**SEVEN DAYS ONLINE WORKSHOP ON SPSS
(December 15- 22, 2021)**

**Organized by
Department of Statistics
Panjab University, Chandigarh-160014 (INDIA)**

PATRON

**Prof. Raj Kumar
Hon'ble Vice Chancellor
Panjab University, Chandigarh**

**Prof. Sangeeta Chopra
Coordinator
Department of Statistics
Panjab University, Chandigarh**

**Dr. Anju Goyal
Chairperson
Department of Statistics
Panjab University, Chandigarh
Contact: chstats20@gmail.com**

ORGANIZING COMMITTEE

Prof. Kanchan K. Jain
Prof. Narinder Kumar
Prof. Suresh Kumar Sharma
Dr. Manoj Kumar
Mr. Harminder Singh Deosi

ABOUT THE DEPARTMENT

Department of Statistics came into existence as a separate entity in 1974 though it existed since 1964 as a part of Department of Mathematics. The department has excellent infrastructure and expert faculty for teaching and research activities at M.Sc., M. Phil. and Ph.D. levels. Based on its high quality teaching and research, the department has been getting financial support for its growth under COSIST, FIST and SAP schemes of UGC and DST. It has been awarded the status of DSA (Department under Special Assistance) by UGC. During the difficult pandemic time, the department has been making sincere efforts to continue with academic and research activities. Keeping up with its endeavour, the department is offering Seven Days online workshop on SPSS.

WHO CAN ATTEND

Faculty, Research Scholars, Doctors, Biostatisticians from Medical Institutes and other institutes/universities.

Registration Fee : Rs. 2000/-
(for Teachers, Research Scholars and Students)
Rs. 2360/- (including 18% GST)(for others)

Mode of Payment: Bank transfer through
NEFT /Google Pay/Paytm/ UPI
Account No. : 2845101010547
Bank : Canara Bank
Account Name : NLTP 2021
IFSC : CNRB0002845
Branch : Panjab University Campus
Chandigarh

Registration through: Google Form
link available at

<https://forms.gle/18EUcEabSziyZmHDA>

Dates: December 15- 22, 2021

Time: 5:00 PM to 7:00 PM

Last Date of Registration:

December 12, 2021 till 12.00 midnight

**Online Link of the Workshop will be shared
with registered participants and speakers only.**

RESOURCE PERSONS

Prof. Kanchan K. Jain
Prof. Sangeeta Chopra
Prof. Narinder Kumar
Prof. Suresh Kumar Sharma
Dr. Anju Goyal
Mr. Harminder Singh Deosi

Schedule of SPSS Workshop

Day 1 (15.12.2021) (Wed) 5 p.m. to 7 p.m.	Prof. Suresh K. Sharma
Theory & Practical	<ul style="list-style-type: none"> - Measurement Scales-Nature of Variables: Type of Data. - Introduction to SPSS, Entering variables, Labelling variables, Labelling values, Entering string variables, Transformation of variables, Exporting and Importing data files from other packages, Selecting cases, Recoding data, computing functions(creating new variables). - Measures of central Tendency and their interpretation, OLAP Cubes. - Summary Statistics (overall and for groups of cases) Dispersion, Skewness, Quartiles, Percentiles and Kurtosis, Generating random numbers in SPSS
Day 2 (16.12.2021) (Thur) 5 p.m. to 7 p.m.	Mr. Harminder Singh Deosi
Theory & Practical	<ul style="list-style-type: none"> - Split files, Weight cases, Select cases, Graphical Representation of Data-Bar Charts, Stacked Bar, Histogram, Line diagram, Pie diagram, Box Plot, Multiple Box Plot, Errorbar, Stem-and-Leaf diagram, Exporting Graphs. Three dimensional Graphs.
Day 3 (17.12.2021) (Fri) 5 p.m. to 7 p.m.	Prof. Narinder Kumar
Theory & Practical	<ul style="list-style-type: none"> - Correlation and Regression. - Multiple Correlation, Partial Correlation, Multiple Regression.
Day 4 (18.12.2021) (Sat) 5 p.m. to 7 p.m.	Prof. Narinder Kumar
Theory & Practical	<ul style="list-style-type: none"> - Parametric Tests: Basic concepts of Testing, one-sample t-test, two independent samples t-test, paired t-test, One-way ANOVA -Non-parametric Tests: Kolmogorov Smirnov test, Sign Test, Wilcoxon signed rank test, Mann-Whitney U-statistic, Kruskal Wallis
Day 5 (20.12.2021) (Mon) 5 p.m. to 7 p.m.	Prof. Sangeeta Arora
Theory & Practical	<ul style="list-style-type: none"> - Factor Analysis - Discriminant Analysis
Day 6 (21.12.2021) (Tue) 5 p.m. to 7 p.m.	Prof. Kanchan K. Jain
Theory & Practical	<ul style="list-style-type: none"> - Logistic Regression - Survival Analysis - Cluster Analysis
Day 7 (22.12.2021) (Wed) 5 p.m. to 7 p.m.	Dr. Anju Goyal
Theory & Practical	<ul style="list-style-type: none"> - One-way ANOVA, - Two-way ANOVA - Post Hoc Multiple Comparisons, Simultaneous Inference - Computing appropriate statistics for frequency data, Analysis of Covariance (ANCOVA),Multivariate Analysis of variance (MANOVA), and MANCOVA