



Basics course in
Biostatistics: Practical Approach, SGPGIMS, LUC
KNOW
DEPT OF BIOSTATISTICS & HEALTH INFORMATICS, SGPGIMS LUCKNOW
(November 09-18, 2022)

[Time: 15.00 hrs to 17.00 hrs, Monday to Friday]
Venue: Statistical Computing Lab, Dept of Biostatistics & HI, 5th Floor

Program for Practical Classes

1. Day 1 (November 09, 2022, Wednesday): Introduction to Statistical Computing and SPSS: ➤ How to create data file in SPSS, Open SPSS sheet, Discussion about data view and variable view. ➤ In variable view, enter the variable name and other related information like value, label, type of variable etc. ➤ Insert new variable or delete existing variable, enter the data in data view, save the file. ➤ How to import data from Excel, open new sheet while existing sheet is already open. ➤ Treatment of the data. Go to "Transform"-Compute variable (i.e., Generate new variable) by using combination of two or more variables example compute BMI by using weight and height. ➤ Re-code into different variables i.e., coding the variable where original variable data are unchanged, save and a new variable created. ➤ Re code into same variable i.e., change the current variable through using any cut off value or code. Here the original variable changed. ➤ Sort the cases in ascending or descending order. ➤ Sort the variable in terms of different criteria. ➤ Split file ➤ Select Cases ➤ Recap of data management.
2. Day 2 (November 10, 2022, Thursday): To build different graphs in SPSS ➤ Bar chart, line graph, Ogive, scatter plot, pie chart, histogram, box plot and error bar etc. ➤ Save and import the graphs/output in different versions like word, pdf etc. Computation of Frequency and percentage of data. ➤ Computation of descriptive statistics (measures of central tendency and dispersion) of data. ➤ Analysis with missing value. ➤ Save and export the output in different versions like word, JPG, pdf etc.
3. Day 3 (November 11, 2022, Friday): ➤ Test of normality of data ➤ One sample t test, One sample Wilcoxon test ➤ Independent sample t test, Mann Whitney U Test ➤ Paired sample t test, Wilcoxon signed rank test, One Way ANOVA, Kruskal Wallis H test

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4. Day 4 (November 14, 2022, Monday):
➤ Repeated Measures ANOVA, Friedman Test, Linear Mixed model. ➤ Chi-square test, Fisher exact test, McNamara's test, Cochran Q test.
5. Day 5 (November 15, 2022, Tuesday):
➤ Computation of Diagnostic accuracy, ROC Curve, Kappa agreement (Unadjusted and adjusted) ➤ Computation of Correlation coefficient (Pearson, Spearman)
Day 6 (Nov 16, 2022, Wednesday):
☐ Univariate and multivariate Logistic regression analysis. ☐ Computation of Sample size/Power using Online and Offline available software's.
Day 7 (Nov 18, 2022, Friday):
➤ Practical Exam for 100 Marks



(Prof Uttam Singh) Course Coordinator & Head, Dept of Biostatistics & HI



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Value added Certification Course
On
Basic Course in Biostatistics: A Practical Approach

Duration: 25 HOURS
Timing: 9th Nov 2022 to 18th Nov 2022

**Venue: DEPT OF BIOSTATISTICS & HEALTH INFORMATICS,
SGPGIMS LUCKNOW**

Organizing Secretary
Dr Prabhakar Mishra
Course Code: VAC052

List of enrolled students and attendance									
S.No	Name of student	Program	9.11.2022	10.11.2022	11.11.2022	14.11.2022	15.11.2022	16.11.2022	18.11.2022
1	UTTAM YADAV	M.D.	P	P	P	P	P	P	P
2	Chandan Singh Rathaur	SR HS	P	P	P	P	P	P	P
3	Pankaj Gaur	M.Ch	P	P	P	P	P	P	P
4	Sanjay Kumar Yadav	M.Ch	P	P	P	P	P	P	P
5	PARSHW SINGH	SR HS	A	P	P	P	P	A	P
6	Nitin Chaudhary	DM	P	P	P	P	P	P	P
7	Poorvi Kapoor	DM	P	P	P	P	P	P	P
8	Rani Manisha	DM	P	P	P	P	P	P	P
9	Varun Venkat Raghavan	DM	A	P	P	P	P	A	P
10	Neha Dalal	DM	P	P	P	P	P	P	P
11	Sushil Kumar K	DM	A	P	P	P	P	A	P
12	Gulab Jha	DM	P	P	P	P	P	P	P
13	Mohd Umair	DM	P	P	P	P	P	P	P




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14	Nidhi Gupta	DM	P	P	P	P	P	P	P
15	Rachana Shenoy K	DM	A	P	P	P	P	A	P
16	Sarbabha um Tripathy	DM	P	P	P	P	P	P	P
17	Shuvam Roy	DM	P	P	P	P	P	P	P
18	Anadi Prakash Mishra	DM	A	P	P	P	P	A	P




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CERTIFICATE OF COMPLETION



This is to certify that

PARSHW SINGH

has successfully completed the following value added

Course:

Basic Course in Biostatistics: A Practical Approach

Course code: VAC 052

9TH NOV2022 TO 18TH 2022

Organising Secretary

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CERTIFICATE OF COMPLETION



This is to certify that
Sanjay Kumar Yadav

has successfully completed the following value added

Course:

Basic Course in Biostatistics: A Practical Approach

Course code: VAC 052

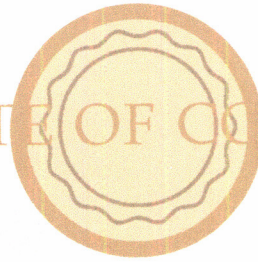
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This is to certify that
Chandan Singh Rathaur

has successfully completed the following value added
Course:

Basic Course in Biostatistics: A Practical Approach

Course code: VAC 052

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This is to certify that

Pankaj Gaur

has successfully completed the following value added

Course:

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Course code: VAC 052

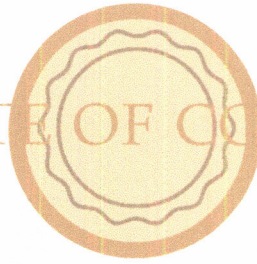
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UTTAM YADAV

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