



SCHOOL OF PUBLIC HEALTH  
KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)  
DEEMED TO BE UNIVERSITY  
BHUBANESWAR, ODISHA

**WORKSHOP**  
**ON**  
**APPLICATION OF BIO-STATISTICAL PRINCIPLES**  
**IN DATA ANALYSIS**

**Date: 13<sup>th</sup> – 14<sup>th</sup> Sep 2019**

**SUMMARY REPORT**

## Summary Report

### Application of Bio-Statistical Principles in Data Analysis

A two day training workshop on Statistical Data Analysis Using SPSS Software was conducted by KIIT School of Public Health (KSPH), Kalinga Institute of Industrial Technology (KIIT) Deemed to be University, Bhubaneswar during September 13<sup>th</sup> -14<sup>th</sup> , 2019. The venue was FMT Class Room, KIMS, Campus -5, KIIT deemed to be University. The target group of this workshop included medical and non-medical PG students, faculty & researchers who are actively engaged in dissertation/thesis/project work and data analysis. The total number of participants was 31. The aim of this workshop was to build the skill of the participants in statistical methods of data analysis using R Software through interactive sessions and hands on training. Care was taken to make the participants aware of field application of data analysis in health research.

#### **Objective of the workshop:**

1. Introduction to basic epidemiological study design
2. Data Entry and Management
3. Descriptive statistics / Summarization of different types of data
4. Graphical representation of data
5. Hypothesis testing
6. Hands on training in R Statistical software

#### **Expected Outcome of the workshop:**

1. Student appreciated the basic knowledge about different epidemiological study design
2. Participants were understood the basic concept of R Software & Data Entry and Management in R Software
3. Participants were able to analyze Descriptive statistics & Summarization of different types of data with different types of graphs/charts
4. Participants were sensitized about creation new variables from the existing variables
5. Participants knowledge on 95% CI, P-value and different hypothesis testing using R Software were enhanced

**Resource Persons:** Dr. Ambarish Dutta, Dr.Pratap Kumar Jena, Ms. Kavitha AK

The said workshop enhanced the skill of the participants on Bio-Statistical Principles in Data Analysis. The workshop ended with feedback from the participants who lauded the efforts put in by the institute in organizing such a useful, beneficial and informative workshop.

## List of Participants:

Workshop on Application of Bio-statistical Principles in Data Analysis: 13 – 14 Sep 2019				
Full Name of the student	Roll. Number	Semester	Name of the programme to which the student belongs	Completed the course (Y/N)
ASMITA DALAL	1936002	I Semester	MPH	Y
BINITA BIJAYLAXMI	1936003	I Semester	MPH	Y
FARHEEN ASAF	1936004	I Semester	MPH	Y
INDIRA SOHANLAL GHAI	1936005	I Semester	MPH	Y
JAGYASENI MISHRA	1936006	I Semester	MPH	Y
MADHULIPIKA GIRI	1936007	I Semester	MPH	Y
NISHISIPA PANDA	1936008	I Semester	MPH	Y
RAMAN NAIR	1936009	I Semester	MPH	Y
SMITI SINGH	1936010	I Semester	MPH	Y
SMITI MEDHA DAS	1936011	I Semester	MPH	Y
SUHENA JANA	1936013	I Semester	MPH	Y
SUMEGHA MOHAPATRA	1936014	I Semester	MPH	Y
SWAGATIKA SENAPATI	1936015	I Semester	MPH	Y
UPASANA NAYAK	1936016	I Semester	MPH	Y
NILAYA ROUT	1936017	I Semester	MPH	Y
SUBHALAXMI BAL	1936018	I Semester	MPH	Y
SASMITA MAJHI	1936020	I Semester	MPH	Y
Sasmita Das	1936019	I Semester	MPH	Y
Dr. E. Shantanu kumar patra	1836003	4 Semester	MPH	Y
Manisha Samanta	1836006	4 Semester	MPH	Y
Bhagyalaxmi Nayak	1836002	4 Semester	MPH	Y
Gayatri Nayak	1836004	4 Semester	MPH	Y

		Semester		
Harapriya Jena	1836010	4 Semester	MPH	Y
Prayash kumar panda	1836008	4 Semester	MPH	Y
RISHA PAUL	1835013	4 Semester	MHA	Y
RITU MANNA	1835014	4 Semester	MHA	Y
Sukriti kumari	1835020	4 Semester	MHA	Y
ANJANA SAHU	1835005	4 Semester	MHA	Y
Wahida Ahmed	1835023	4 Semester	MHA	Y
Ityshree Singh	1835008	4 Semester	MHA	Y
Shruty Mishra	1835016	4 Semester	MHA	Y