Centre for Statistics
SRM Institute of Science and Technology
Workshop on Biostatistics for Medical and Health Sciences

The Center for Statistics is pleased to offer a 5-day offline training course on "Bio-Statistics for Medical and Health Sciences" to be held from March 13–17, 2023, between 09:30AM - 01:00 PM

Venue: 13th Floor, Center for Statistics, University Building, SRM Institute of Science and Technology, Kattankulathur.

Overview

This course is designed specifically for medical and health professionals who deal with medical data and want to acquire some statistical skills. It is Part 1 of a two-part course that may be taken together for your basic skills. This course covers basic statistical concepts of probability, confidence intervals, and medical vs. statistical significance. Course participants should have access to a standard statistical software package for use in course exercises.

Who Should Take This Course

This course is specially designed for medical and health professionals who deal with medical data and want to acquire some statistical skills. These include nursing, pharmacy, laboratory technology and nutrition professionals besides physicians, surgeons and dentists.

Course Syllabus

Following topics will be covered during the course

- Descriptive Statistics
  - Types of data, Measures of Central tendency, Measures of dispersion
- Sampling Methods
  - Overview and types of sampling techniques
  - Sample size determination.
- Statistical Inference I
  - Estimation of mean and proportions,
  - Confidence interval, P- Value and its importance

- ·   Statistical Inference II
  - o   Test of hypothesis
- ·   ANOVA and Chi-square analysis
- ·   Correlation and Regression analysis

Prerequisites

SPSS Trial version must be installed.

Course Date

13th Mar 2023 – 17th Mar 2023

Venue

University Building, 13th floor, Centre for Statistics

Participant Fee

1500 INR/Person

Co-ordinator

Dr. M. Bagavandas (Head)

Course Instructors

Mr. A. Ramajayam

Mr. Aravinth K R

Mr. V. Raghul Gandhi

No of Participants: 18

Workshop photo:

GPS Map Camera

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