DEPARTMENT OF STATISTICS, UNIVERSITY OF CALICUT

WORKSHOP ON "STATISTICAL METHODOLOGY"

Who can attend : Research Scholars/Students/Faculty of various Discipline

July 30 to August 07, 2021

RESOURCE PERSONS

Somasekharan Pillai M
Associate Professor &
Head (Rtd.), University
College, Trivandrum.

Dr. B. Binukumar
Associate Professor
Department of Biostatistics
NIMHANS,Bengaluru.

Dr. Binu V.S
Assistant Professor
Department of Biostatistics
NIMHANS,Bengaluru-29

Dr. Bindu Krishnan
Associate Professor &
Head, Department of
Data Science, CS & IT,
Jain (Deemed-to- be
University), Kochi.

TOPICS COVERED

Types of data, levels of measurement, data collection techniques, basics of design of experiments, preparation of questionnaire, need and purpose of sampling, sample size determination, different types of sampling, descriptive statistics, formulation of hypothesis, testing of hypothesis - fundamentals, p-value, different types of parametric and non-parametric tests- assumptions for different tests - test for mean, tests for proportion, tests for variance, ANOVA, Kruskall-Wallis test, correlation, linear and logistic regression, Multivariate statistical techniques - cluster analysis, principal component analysis, factor analysis, multidimensional scaling, Introduction to R programming.

SPSS/R will be used for Illustration/Practical sessions.

On Webex

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