

# WORKSHOP ON DATA ANALYSIS



**Duration: Five sessions (3 hours each)**

**Part I (2 sessions, 24th and 25th November 2022)**

**Part II (2 sessions, 8th and 9th December 2022)**

**Part III (1 session, 12th January 2023)**

**Time: 9.00 a.m. to 12.00 p.m. each day**

## Speakers:

**Senior Prof. S. Samitha**  
Faculty of Agriculture,  
University of Peradeniya

**Senior Prof. T. Sivananthawerl**  
Faculty of Agriculture,  
University of Peradeniya

### Part I

**Introduction**  
Population and samples  
Parameters and statistics  
Descriptive statistics and inferential statistics  
Variables  
Scales  
Organization of the data  
Describing data by tables and graphs

**Measures of center (Mode, Median, Mean)**  
**Measures of variation (Range, Interquartile range, boxplots, Standard deviation, Standard error)**  
**Probability Distributions and sampling distribution**  
**Estimation**  
**Hypothesis testing**  
**Summarization of bivariate data**  
**Scatterplot and correlation coefficient**

### Part II

**Introduction to experimental designs**  
**ANOVA test**  
**Chi square test**

### Part III

**Regression analysis**

**Fee: Rs. 1500.00 per one part per one head**  
**(Rs. 500.00 for university students)**

**REGISTER**

**Moderator: Mr. Sampath Nonis/NRC**

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