



**POSTGRADUATE INSTITUTE OF AGRICULTURE  
UNIVERSITY OF PERADENIYA  
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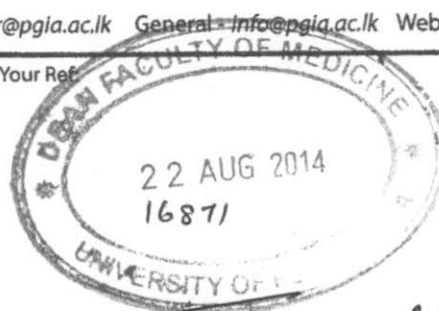
18.08.2014

Deans of Faculties

Heads of Departments

Directors / Heads of Institutes

Dear Sir / Madam,



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**Short Course on Analysis of Count and Rank Data  
23 – 26 September, 2014**

**Postgraduate Institute of Agriculture (PGIA), University of Peradeniya**

The Board of Study in Biostatistics at the Postgraduate Institute of Agriculture (PGIA), University of Peradeniya has organized a four-day short course on "Analysis of Count and Rank Data", 23-26 September, 2014. Please take necessary actions to disseminate the above information among your staff.

This short course will provide a broad knowledge and skills of statistical methods for analyzing count and rank data for a wide variety of academic disciplines including medicine, agriculture, food science, veterinary, economics, social sciences, engineering, natural and physical sciences.

Attached herewith a copy of the brochure and the application form of the short course. Please take necessary actions to circulate copies of the brochure and the application form of the short course among your staff.

Your cooperation in this regards is greatly appreciated.

Thank you,

Yours faithfully,

*S. Samita*  
18/08/2014

**Prof. S. Samita**

**Director, Postgraduate Institute of Agriculture (PGIA)**

**University of Peradeniya**



# SHORT COURSE ON ANALYSIS OF COUNT AND RANK DATA

23 – 26 September 2014

Board of Study in Biostatistics  
Postgraduate Institute of Agriculture (PGIA)  
University of Peradeniya

## INTRODUCTION

Most of the experiments and surveys result in count and rank data which cannot be analyzed by parametric statistical procedures such as t-tests, analysis of variances (ANOVA) and regression. For results to be reliable and valid, the analysis of count and rank data should be based on correct statistical procedures. Due to widespread use and increasing importance of statistical methods for analyzing count and rank data, it is essential for researchers and users to obtain a firm understanding of the philosophical basis, the principles and a broad knowledge of analyzing count and rank data.

## COURSE OBJECTIVE

The short course offered by the Board of Study in Biostatistics, Postgraduate Institute of Agriculture (PGIA) will provide a broad knowledge and skills of statistical methods for analyzing count and rank data for a wide variety of academic disciplines including medicine, agriculture, food science, veterinary, economics, social sciences, engineering, natural and physical sciences.

The course comprises of lectures followed by practicals where participants will get hands-on experience in analyzing a wide variety of experimental and survey data using statistical software SAS®.

## TARGET GROUP

The short course is aimed at mid career professionals in universities, research institutes, government and nongovernment organizations and industry. Participants should preferably have knowledge in basic statistics.

## COURSE CONTENTS

Scales of Measurements; Testing Proportions; Sample Size Determination; Analysis of Contingency Tables; Goodness of Fit Tests; Approximate and Exact Tests; Log Linear Models; Model Selection; Logistic Regression. Nonparametric Tests: Sign, Wilcoxon Rank Sum, Wilcoxon Signed Rank, Kruskal-Wallis, Friedman, Durbin, Kolmogorov and Smirnov; Rank Correlation and Covariance Analysis; Nonparametric Regression.

## COURSE DURATION AND VENUE

Four days (23-26 September 2014) from 8.30 AM to 4.30 PM. Venue: Postgraduate Institute of Agriculture (PGIA), Old Galaha Road, University of Peradeniya, Peradeniya.

## COURSE FEE

Rs. 15,000 per participant (includes tea, lunch and course material). **Accommodation will not be provided.**

## RESOURCE PERSONS

The following members of the Board of Study in Biostatistics will serve as resource persons for the short course.

Prof. R. O. Thattil (B.Sc., M.Sc., Ph.D)  
Prof. S. Samita (B.Sc., M.Phil, Ph.D)  
Dr. B. L. Peiris (B.Sc., M.Sc., Ph.D)  
Dr. T. Sivananthawerl (B.Sc., M.Sc., Ph.D)  
Dr. L. D. B. Suriyagoda (B.Sc., M.Sc., Ph.D)

## APPLICATION FORMS

Application forms can also be obtained from the PGIA office or downloaded from the PGIA website ([www.pgia.ac.lk](http://www.pgia.ac.lk)) or the University of Peradeniya website ([www.pdn.ac.lk](http://www.pdn.ac.lk)).

The course fee can be paid

- 1). by a cheque (To: Director, Postgraduate Institute of Agriculture) or
- 2). at any branch of the Peoples Bank (To: Current Account No: 057-1-001-3-1338027, Peradeniya Branch) or
- 3). in person at the Shroff Counter at the PGIA.

The completed application forms along with a cheque / copy of the payment of full course fee should be sent by **18<sup>th</sup> September 2014** to:

Assistant Registrar, Postgraduate Institute of Agriculture (PGIA), P. O. BOX 55, Old Galaha Road, University of Peradeniya, Peradeniya.

Tel: 081-2385517 Fax: 081-2388318

**Enrolment is limited to 40 participants on a first-come, first-serve basis.**

## For Further Details Contact

Dr. B. L. Peiris, Course Coordinator and Chairman,  
Board Study in Biostatistics, Postgraduate Institute of Agriculture, University of Peradeniya, Peradeniya.  
Tel: 081-2395123 ; 0712313311 Fax : 081-2395111  
E-mail: [laknathp@pdn.ac.lk](mailto:laknathp@pdn.ac.lk)

Prof. S. Samita

Director, Postgraduate Institute of Agriculture (PGIA)  
University of Peradeniya

APPLICATION FORM

SHORT COURSE ON ANALYSIS OF COUNT AND RANK DATA  
23 – 26 September 2014

Board of Study in Biostatistics  
Postgraduate Institute of Agriculture (PGIA)  
University of Peradeniya

NIC NO :

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1). Name (Prof/Dr/Mr/Ms) : .....

2). Position and Institute:.....

3). Mailing Address : .....

.....

.....

4). Email : .....

(Please write legibly as your confirmation will be sent to your email address.)

5). Telephone Numbers

Mobile : .....

Office : .....

Home : .....

6). Lunch Preference (please circle one): Vegetarian Egg Fish Chicken

The course fee (Rs. 15,000/=) can be paid 1). by a cheque (To: Director, Postgraduate Institute of Agriculture) or 2). at any branch of the Peoples Bank (To: Current Account No: 057-1-001-3-1338027, Peradeniya Branch) or 3). in person at the Shroff Counter at the PGIA. The course fee will include lunch, tea and course material. The participants are expected to make their own arrangements for breakfast, dinner and accommodation.

The completed application forms along with a cheque / copy of the payment of full course fee should be sent by 18<sup>th</sup> September 2014 to:

Assistant Registrar, Postgraduate Institute of Agriculture (PGIA), P. O. BOX 55, Old Galaha Road, University of Peradeniya, Peradeniya. Tel. 081-2385517 Fax: 081-2388318

Signature : .....

Date:.....