

Fundamentals of Agricultural Statistics

K.P. Dhamu

K. Ramamoorthy



FUNDAMENTALS OF AGRICULTURAL STATISTICS

**K.P. DHAMU
K. RAMAMOORTHY**

Published by:

Scientific Publishers (India)
5 A, New Pali Road, P.O. Box 91
Jodhpur - 342 001 (India)

E-mail: info@scientificpub.com
Website: www.scientificpub.com

Branch Office

Scientific Publishers (India)
4806/24, Ansari Road, Daryaganj
New Delhi - 110 002 (India)

Print: 2015

ISBN: 978-81-7233-561-8 (H.B.)
978-81-7233-563-2 (P.B.)
eISBN: 978-93-86102-35-5

© Dhamu & Ramamoorthy, 2009

Printed in India

PREFACE

This book is the result of the intension of the authors to provide the various fundamental concepts in Agricultural Statistics. It is a common expectation that use of statistical methods to research data does not vitiate the results. The fundamental concepts covered in this book will meet the above expectation.

The standard of this book has been maintained to lie within the knowledge limits of undergraduate students in Agriculture. Mathematical knowledge upto tenth standard is assumed from the readers.

The different situations which give rise to each concept have been explained and formal definitions are given afterwards. Abrupt definitions are avoided as far as possible so that no reader gets his wires crossed. Illustrations and examples have been furnished at the appropriate places for understandability. Keeping the following famous quotation of the Chinese philosopher, Confucious,

“I hear; I forget,
I see; I remember,
I do; I understand”,

in mind, exercises have been provided for the benefit of the readers to work out, understand and remember.

The illustrations to avail the availability of statistical analysis in the computer software are also given in the appendices without affecting the main stream.

The authors acknowledge the encouragement received from all corners. The assistance of Mrs. Calavady (wife of Dr. K.P. Dhamu) in computer typing is placed on record. The authors are thankful to the Vice-chancellor of the Tamil Nadu Agricultural University for granting permission to publish the book and offering foreword.

K.P. Dhamu
K. Ramamoorthy



TAMIL NADU AGRICULTURAL UNIVERSITY

Prof. Dr. C. RAMASAMY
Vice-Chancellor

COIMBATORE
TAMIL NADU, INDIA

FOREWORD

The post-graduate students in Agriculture conduct either experiments or sample surveys as a part of their curriculum. Courses in Agricultural Statistics are taught to undergraduate students to provide a sound knowledge and increase the accuracy on collection and analysis of data.

I am happy to congratulate K.P. Dhamu, Professor of Agricultural Statistics and K. Ramamoorthy, Professor of Seed Science and Technology and presently Dean, Agricultural College and research Institute, Madurai for their efforts to bring this book, "Fundamentals of Agricultural Statistics". This book will be of immense help to students to get glimpses of the basic in Agricultural Statistics.

I wish them well and good luck.

(C. RAMASAMY)

Coimbatore-3
14.08.2008

CONTENTS

Serial Number	TOPICS	Page Number
1.	Introduction	1-5
2.	Collection	6-10
3.	Classification	11-14
4.	Tabulation	15-36
5.	Analysis	37-94
6.	Presentation	95-121
7.	Skewness and Kurtosis	122-129