

AN INTRODUCTION TO THE THEORY OF STATISTICS



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An Introduction to the Theory of STATISTICS

For Graduate and Post Graduate Students

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Dedicated to our Parents

PREFACE TO THE THIRD EDITION

We are very glad that the third revised edition of the present book is going to be presented very shortly after a short span of time of publishing it as the third reprint of the Second Revised Edition. This time, we have included three more chapters namely Statistical Quality Control, Demography, Non-parametric tests with large number of examples which will satisfy the elementary need of the readers.

By now, this book has been found very useful by the teachers and students of different universities and colleges and we express our sense of deep gratification at this universal appreciation of the value of this book.

We still feel free to ask from all concern quarters for any suggestions and comments which will improve the quality of the book to a great extent. At the end, we like to thank the Star Computer & Publications for their efforts to bring out the book in the shortest possible time.

Chittagong
January 2001

The Authors

PREFACE TO THE FIRST EDITION

This book is based on our experience for about twelve years of teaching statistics at the University level. There are several excellent text-books by foreign authors on the subject presently available in our country, but the students here, cannot easily conceive and follow the given topics and illustrations. To meet the requirements of the students of our country, we tried to extend our ideas over different topics of the subject in this book. For better understanding of the topics, efforts were also made to add examples following the topics. This book is mainly for Graduate & Post Graduate students of Bangladesh Agricultural University and students of different Universities, Institutes and Colleges.

In a book with such several mathematical notations, a number of misprints or mistakes may creep in. We shall be grateful for any notice of the same and suggestions for making improvements from the concerned readers.

We are indebted to our colleagues of the Department of Agricultural Statistics, B. A. U. for constant encouragement and constructive criticism at the time of preparation of the manuscript. Thanks are also due to some of our friends and well-wishers of different Universities and Agricultural Colleges in Bangladesh.

We are grateful to Sreeman Ashoketoru Shil for drawing different figures and diagrams in the book. Finally, we thank Mr. Kazi Ziaul Karim proprietor of City Press and other staffs of the press specially Mr. Abul Hossain for the patience and time taking trouble of composing the book.

Department of Agricultural Statistics,
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Mymensingh,
July, 1985.

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