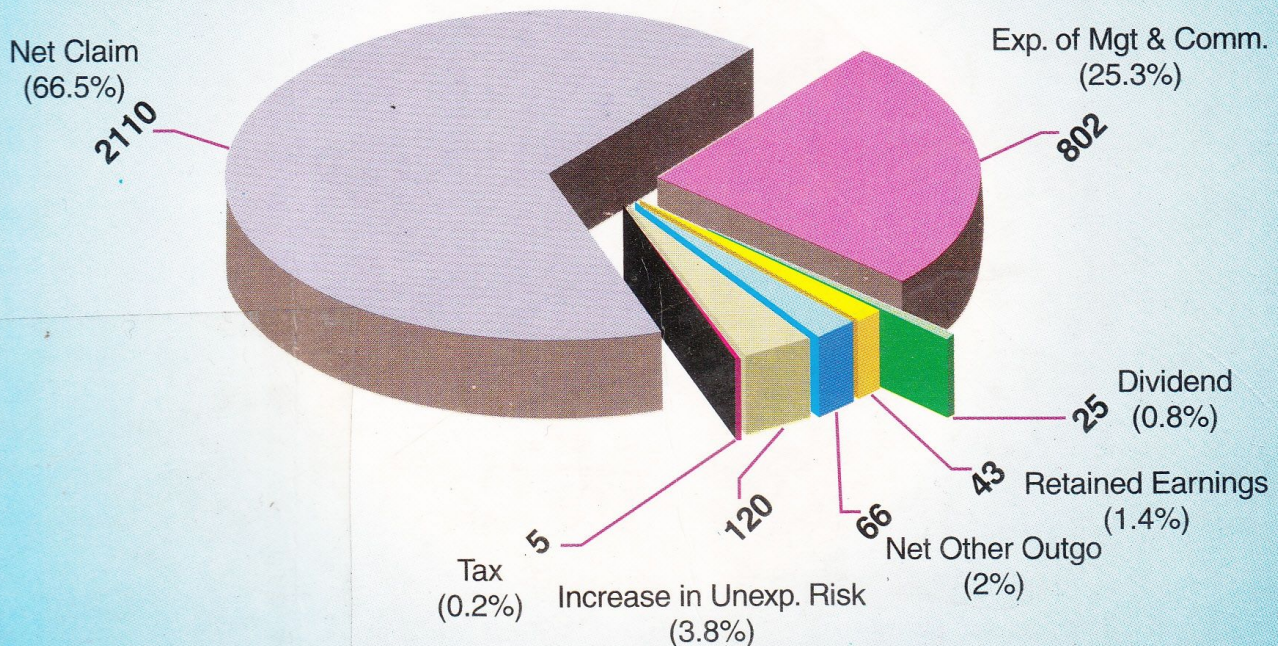


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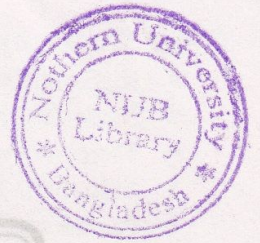
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Make me simple and truthful

Fill in me happiness and contentment

Make me tough and tolerant

Let me serve the society with honesty and dignity

Keeping in mind the highest standards

Of quality and service

Of values and ethics

Of morals and humanity

Of beauty and duty

Let me face the challenges of today and tomorrow

With utmost efficiency and effectiveness

Without harming and spoiling the environment

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# BUSINESS STATISTICS

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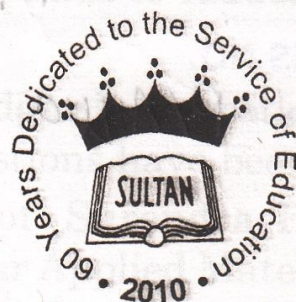
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# Preface

## To the Sixteenth Edition

The text is written with the basic object of introducing students of business administration to the Statistical concepts that help in decision-making. An attempt has been made to present explanation in such a way that the underlying statistical theory is fully exposed and the relation between theory and application thoroughly understood.

The book is essentially non-mathematical in character and an attempt has been made to illustrate the application of statistical techniques with the help of business data. Various types of study material are given at the end of each chapter to aid the students in applying the principles discussed in the text. The object is to develop the faculty of thinking amongst the students and to develop the skill of performing the calculations needed for various methods of analysis.

We are greatly inspired by the very good response from a large number of readers of Business Statistics in India and abroad.

Some special features of this edition are :

- The entire text of the SIXTEENTH edition has been thoroughly revised. In particular, the chapters • Correlation Analysis • Probability • Probability Distributions • Statistical Decision Theory • Small Sampling Theory • Chi-Square Test need special mention.
- Looking to the trend of questions of several universities all over India, short answer questions of 1 mark and 4 marks have been added in each chapter to enhance the value of the book.
- Every effort has been made to reduce to the minimum the printing and calculation mistakes.

We gratefully acknowledge all suggestions received to enhance further the value of the text. The suggestions have been incorporated wherever possible.

We are grateful to Prof. Surendra Pradhan of Hayward University, California, Mr. Rajeev Gulhar Applied Materials, USA., Dr. Sarika Gulhar and Mr. Sameer Gupta for help in the revision of this edition.

We sincerely believe that the road to improvement is never ending. Hence, we shall look forward to and gratefully acknowledge all suggestions received.

1st July, 2010

S.P. GUPTA  
M.P. GUPTA



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