

# Basic Biostatistics for Clinical Researchers

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“**Basic Biostatistics for Clinical Researchers**” is an educational book. This book is published by Liaquat University of Medical and Health Sciences (LUMHS) publishers.

## Summary of Book

The prelims consist of six pages: title page and an inside title with the names of the authors; dedication; preface; acknowledgement; and table of contents. The picture of the university and the name of the publisher are depicted on the last page. The main text comprises 9 chapters spanning 67 pages.

In the text authors have defined the biostatistics, data and variables; explained the types of data, sources of data collection, types of variables and types of studies for clinical purposes; explained the measures of central and spreading and the distribution of data; discussed the categorical data, its types and statistical analysis; described population; sample and probability and non-probability sampling techniques; explained hypothesis testing and probability and its types; deliberated on correlational analysis (CA), multivariate analysis (MA) and types of MA, and survival analysis.

## The overall scope of the book

This book is practical and effective for undergraduate students of health professions education seeking to learn biostatistics and conduct research. Still, postgraduate residents of health professions education can use it with confidence for a better understanding of statistical analysis. Though the title of the book suggests the book is for clinical researchers, basic sciences and para-clinical sciences researchers may find it useful.

## Strengths

- The book is written in simple, self-explanatory sentences in a logical sequence.

- The figures are very ingenious and easy to understand.
- Examples are relevant and explained candidly.

## Limitations

- The bibliography, list of references, or resources used to write this book is not documented.
- Tools documented can be utilized for the quantitative studies
- An explanation of the software packages used for the statistical analysis is not included.
- Basic information on the use of artificial intelligence (AI) in biostatistics is not included.

## Target audience

The target audience likely comprises undergraduate students of medicine, dentistry, nursing, pharmacy, and other allied medical and health sciences streams, as well as postgraduate residents of sub- and super-specialties of medicine and dentistry, and postgraduate students of nursing, pharmacy, and other allied medical and health sciences streams. But we could not be the judge of what the authors of this book thought about the target audiences.

## Contribution to medical education or clinical research

This book is useful for learners of health profession education and clinical research. If authors had mentioned resources for further study at the end of each chapter, that might be a useful help for interested learners/researchers.

The book is available on the LUMHS website at the following link: <https://www.lumhs.edu.pk/publishers/pub-books.php>.

## BASIC BIOSTATISTICS FOR CLINICAL RESEARCHERS

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