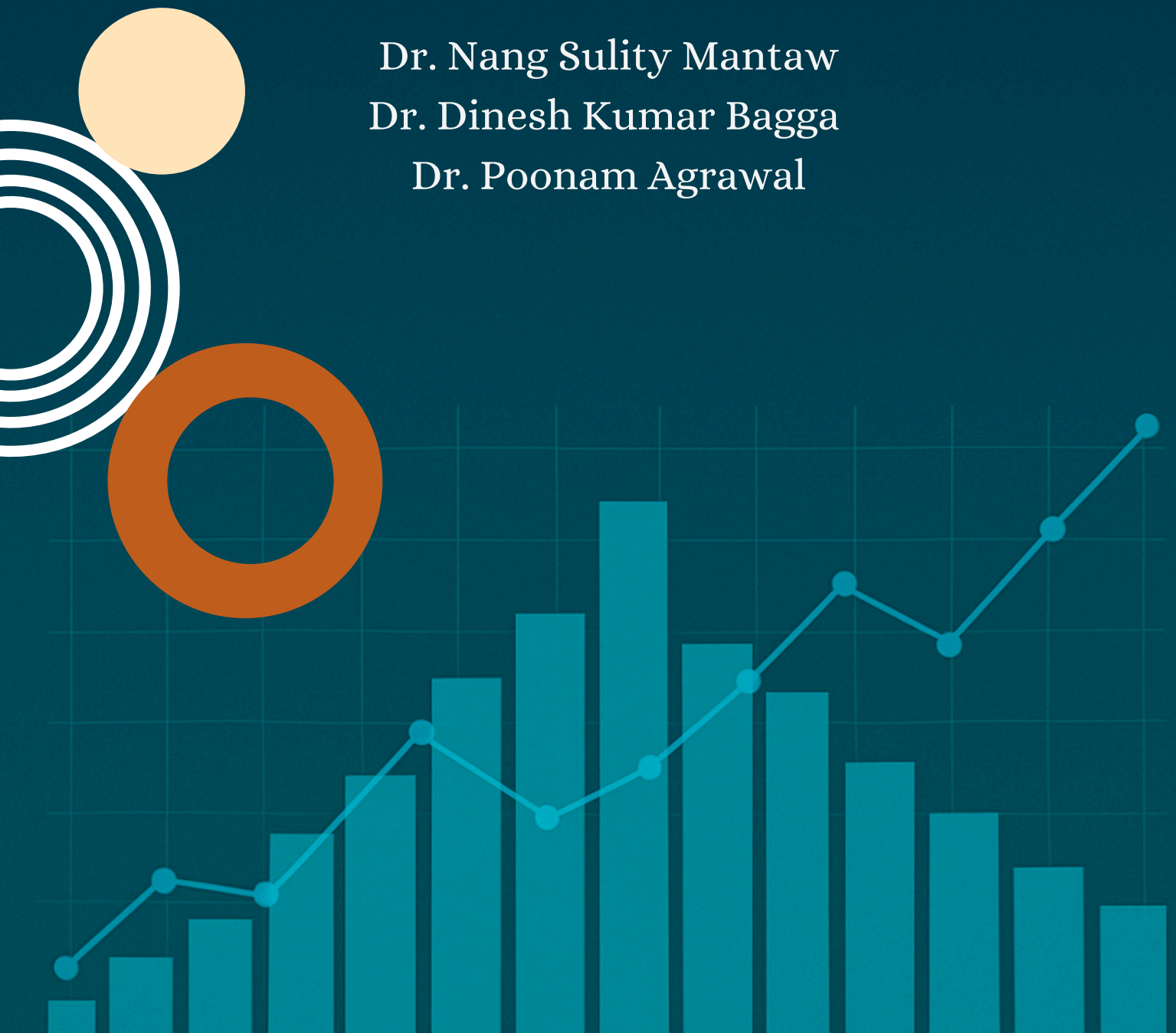


BIOSTATISTICS IN MEDICAL RESEARCH

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Biostatistics in Medical Research



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Biostatistics in Medical Research

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Acknowledgement

"Acknowledging the good that you already have in your life is the foundation for all abundance."

The successful completion of the book, *Biostatistics in Medical Research*, is a milestone in my journey towards obtaining my MDS degree. This book has been brought to completion thanks to the unwavering support and encouragement of many individuals—my well-wishers, friends, family, and various institutions. As I conclude this book, I extend my heartfelt gratitude to everyone who made this journey possible and truly memorable.

Foremost, I want to offer this endeavour to our Almighty God for the wisdom he bestowed upon me, the strength, peace of mind, and good health to finish this research.

This book is intended for medical researchers, clinicians, postgraduate students, and academicians who seek to gain a deeper understanding of the statistical tools that form the backbone of evidence-based medical research. By delving into the essential concepts and applications of biostatistics, the book aims to equip readers with the analytical skills necessary to interpret, design, and evaluate scientific studies with rigor and accuracy. As the role of data continues to expand in medical science, a strong grasp of biostatistics becomes increasingly indispensable for meaningful contributions to the field.

We hope this book serves as a foundational and practical guide, offering readers a structured and comprehensible pathway to navigate through various statistical methods and techniques. Whether used as a reference for academic coursework or as a support for ongoing research, this book aspires to promote critical thinking, data literacy, and a deeper appreciation for the vital role of biostatistics in advancing healthcare outcomes.

I would like to extend my heartfelt gratitude to my guide, **Dr. Dinesh Kumar Bagga**, Professor and Head of the Department of Orthodontics and Dentofacial Orthopaedics, School of Dental Science, Sharda University. I am deeply indebted for his invaluable guidance,

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The successful completion of this book, *Biostatistics in Medical Research*, has been made possible through the invaluable support and contributions of numerous individuals whose expertise, guidance, and encouragement have played a fundamental role throughout this journey.



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