

# Bayesian Analysis and Reliability Estimation of Generalized Probability Distributions



*Editor*  
**Afaq Ahmad**



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*Bayesian Analysis and Reliability Estimation of  
Generalized Probability Distributions*

*Edited by*

*Afaq Ahmad*

Assistant Professor  
Department of Mathematical Sciences  
Islamic University of Science & Technology,  
Awantipooora, Kashmir, India

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*Editor*

Dr. Afaq Ahmad  
(M.Sc., M.Phil., Ph.D. - Statistics)  
Assistant Professor  
Department of Mathematical Sciences  
Islamic University of Science & Technology,  
Awantipooora, Kashmir, India

*About this Book*

This edited volume entitled “Bayesian Estimation and Reliability Estimation of Generalized Probability Distributions” is being published for the benefit of researchers and academicians. It contains ten different chapters covering a wide range of topics both in applied mathematics and statistics. The proofs of various theorems and examples have been given with minute details.

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## *Preface*

Statistics is concerned with making inferences about the way the world is based upon things we observe happening. Statistical distributions are commonly applied to describe real world phenomena. Due to the usefulness of statistical distributions, this theory is widely studied, and new distributions are developed. The interest in developing more flexible statistical distributions remains strong in statistical profession. This edited book entitled “Bayesian Estimation and Reliability Estimation of Generalized Probability Distributions” is being published for the benefit of researchers and academicians. It contains ten different chapters covering wide range of topics both in Bayesian statistics and Probability distributions. The proofs of various theorems and examples have been given with minute details. Each chapter of this book contains complete theory and a fairly large number of solved examples. During the preparation of the manuscript of this book, the editor has incorporated the fruitful academic suggestions provided by Dr. Peer Bilal Ahmad, Dr. Sheikh Parvaiz Ahmad, Dr. J. A. Reshi, Dr. Tanveer Ahmad Tarray, Dr. Kowsar Fatima, Dr. Ahmadur Rahman, Dr. Showkat Ahmad Lone, Mudasir Sofi, Uzma Jan, Aaliya Syed, and Dr. Humaira Sultan.

It is expected to have a good popularity due to its usefulness among its readers and users. Finally, I extend my thanks and appreciation to the authors for their continuous support in finalization of the book.

Afaq Ahmad  
(Editor)



## *Contributors*

- 1. Peer Bilal Ahmad**  
Assistant Professor  
Department of Mathematical  
Sciences,  
Islamic University of Science &  
Technology,  
Awantipora, India
- 2. Sofi Mudasir**  
Research Scholar  
Department of Statistics,  
University of Kashmir,  
Srinagar, India
- 3. S. P. Ahmad**  
Sr. Assistant Professor  
Department of Statistics,  
University of Kashmir,  
Srinagar, India
- 4. Ahmadur Rahman**  
Assistant Professor  
Department of Statistics &  
Operations Research,  
Aligarh Muslim University,  
Aligarh, India
- 5. Showkat Ahmad Lone**  
Assistant Professor  
Department of Basic Sciences,  
Saudi Electronic University,  
Riyadh, KSA
- 6. J. A. Reshi**  
Assistant Professor  
Department of Statistics,  
Govt. Boys Degree College,  
Anantnag, India
- 7. Afaq Ahmad**  
Assistant Professor  
Department of Mathematical  
Sciences,  
Islamic University of Science &  
Technology,  
Awantipora, Kashmir, India
- 8. Uzma Jan**  
Research Scholar  
Department of Statistics,  
University of Kashmir,  
Srinagar, India
- 9. Kawsar Fatima**  
Assistant Professor  
Department of Statistics,  
Govt. Degree College, Bijbehara,  
Kashmir, India
- 10. Aliya Syed Malik**  
Research Scholar  
Department of Statistics,  
University of Kashmir,  
Srinagar, India.
- 11. Tanveer Ahmad Tarray**  
Assistant Professor  
Department of Mathematical  
Sciences,  
Islamic University of Science and  
Technology,  
Kashmir, India
- 12. Humaira Sultan**  
Assistant Professor  
Department of Statistics  
S.P. College, Cluster  
University, Srinagar