

**Arnold, Barry C.; Balakrishnan, N.; Nagaraja, H. N.**

**A first course in order statistics. Reprint of the 1992 original edition.** (English) [Zbl 1172.62017](#)  
**Classics in Applied Mathematics** 54. Philadelphia, PA: Society for Industrial and Applied Mathematics (SIAM) (ISBN 978-0-89871-648-1/pbk; 978-0-89871-906-2/ebook). xxiii, 279 p. (2008).

[For the review of the original edition from 1992 see [Zbl 0850.62008](#).]

The book under review is written for those without an advanced background in mathematics. It introduces the basic theory and applications of order statistics and discusses current developments, and then covers topics such as distribution theory for order statistics from continuous and discrete populations, order statistics from specific distributions, including binomial and Poisson distributions, moment relations, bounds and approximations, characterizations using order statistics, order statistics in statistical inference, asymptotic theory and record values from continuous distributions.

Reviewer: [Ping Sun \(Shenyang\)](#)

**MSC:**

- [62G30](#) Order statistics; empirical distribution functions
- [62-01](#) Introductory exposition (textbooks, tutorial papers, etc.) pertaining to statistics
- [62E15](#) Exact distribution theory in statistics
- [62G32](#) Statistics of extreme values; tail inference
- [62E10](#) Characterization and structure theory of statistical distributions
- [62G20](#) Asymptotic properties of nonparametric inference

Cited in **1** Review  
Cited in **108** Documents

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