

# SALEM PRESS

Published & Distributed by Grey House Publishing

## For Immediate Release

March 4, 2024

Contact: Jessica Moody, VP Marketing  
(800) 562-2139 x101  
jmoody@greyhouse.com

## **Salem Press Announces *Principles of Probability & Statistics***

*Probability & Statistics* is the next volume in Salem's *Principles of Science* series, which includes *Microbiology*, *Energy*, *Marine Science*, *Geology*, *Information Technology*, *Forestry & Conservation*, and *Fire Science*, to name a few.

This new resource explores how probability and statistics relate to data science, finance, engineering, medicine and healthcare, artificial intelligence, sports, manufacturing and quality control, risk management and insurance, and many more fields.

Beginning with a comprehensive Editor's Introduction by volume editors Jake D. Nicosia and James F. Nicosia, *Principles of Probability & Statistics* is divided into three sections, starting with the history and mathematical foundations of probability and statistics and moving on to the research applications and finally the real-world uses of this ubiquitous and essential branch of mathematics.

With more than 150 entries, this new volume gives readers a solid overview of statistics and the major concepts and contemporary issues surrounding the role of probability theory in the world. Entries are broken into three sections:

- Mathematical Foundations of Probability and Statistics
- Research Applications of Probability and Statistics
- Real-World Applications of Probability and Statistics

Entries in *Principles of Probability and Statistics* range from one to five pages in length. Topics discussed include:

<ul style="list-style-type: none"><li>• Abductive Reasoning</li><li>• Business Finance</li><li>• Comparative Research</li><li>• Density</li><li>• Exploratory Research</li><li>• Forecasting</li><li>• Graphs</li><li>• Hypothesis</li><li>• Infinity: Mathematics</li></ul>	<ul style="list-style-type: none"><li>• Kruskal-Wallis Test</li><li>• Linear Concepts</li><li>• Multiple Case Study</li><li>• Placebo Effect</li><li>• Randomness</li><li>• Sample Surveys</li><li>• Trading and Markets</li><li>• Weather Forecasting</li><li>• And more!</li></ul>
--	--

Entries begin by specifying related Fields of Study, followed by an Abstract and then a list of Key Concepts summarizing important points; all entries end with a helpful Further Reading section.

This work also includes helpful appendices, including:

- Bibliography;
- Glossary;
- Organizations;
- Subject Index

### **FREE ONLINE ACCESS**

Libraries and schools purchasing the printed version of any Salem Press title get complimentary online access to that title on our new online database, <http://online.salempress.com>. Combining Salem's Literature, History, Health, Science and Careers titles, students and researchers can now access all of their Salem content in one comprehensive site. Any school or library with print reference content in Salem Press' database is entitled to online access to that content. This access is an inherent part of our product.

---

*Principles of Probability & Statistics*

ISBN: 978-1-63700-426-5

Ebook ISBN: 978-1-63700-427-2

552 pages

\$165.00

Publisher: Salem Press