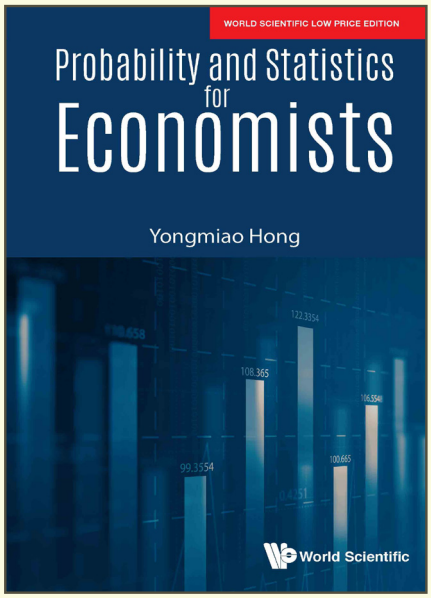
Probability and Statistics for Economists



By **Yongmiao Hong**
(Cornell)

ISBN	9798886130072
Extent	592pp
Binding	Paperback
Year	2024
Price	Rs. 1795

ABOUT THE BOOK

Probability and Statistics have been widely used in various fields of science, including economics. Like advanced calculus and linear algebra, probability and statistics are indispensable mathematical tools in economics. Statistical inference in economics, namely econometric analysis, plays a crucial methodological role in modern economics, particularly in empirical studies in economics.

This textbook covers probability theory and statistical theory in a coherent framework that will be useful in graduate studies in economics, statistics and related fields. As a most important feature, this textbook emphasizes intuition, explanations and applications of probability and statistics from an economic perspective.

READERSHIP

Graduate students in economics, statistics and related fields.

CONTENTS

- Preface
- Introduction to Probability and Statistics
- Foundation of Probability Theory
- Random Variables and Univariate Probability Distributions
- Important Probability Distributions
- Multivariate Probability Distributions
- Introduction to Sampling Theory
- Convergences and Limit Theorems
- Parameter Estimation and Evaluation
- Hypothesis Testing
- Classical Linear Regression
- Conclusion
- Bibliography
- Index