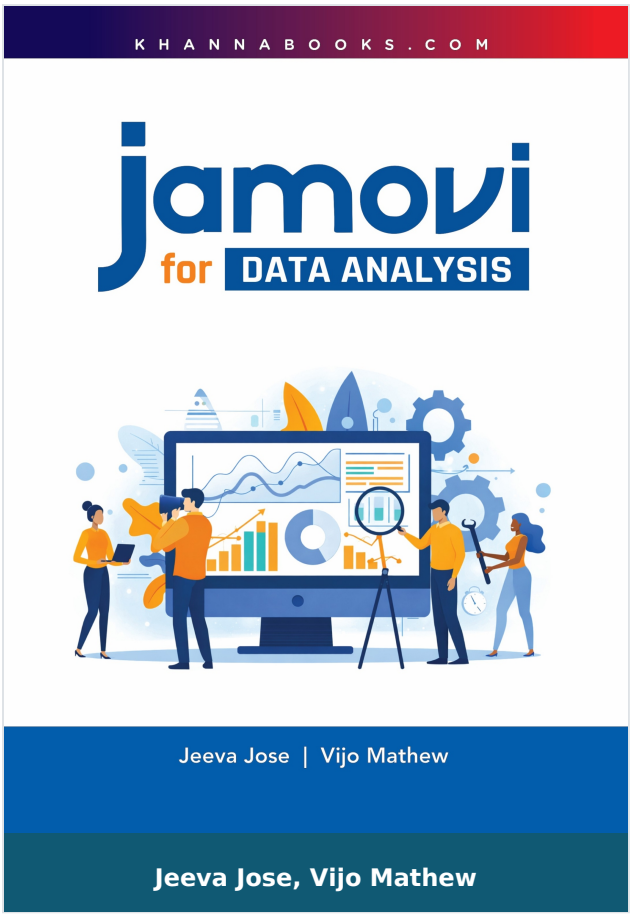

Jamovi for Data Analysis

Author :	Jeeva Jose, Vijo Mathew
ISBN 13 :	978-93-74542-61-3
ISBN 10 :	9374542617
E-ISBN 13 :	978-93-74542-61-3
Edition :	First
Pages :	105
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 250.00
Categories :	Emerging Technologies, Book Store, New Arrivals
Condition Type :	New
Country Origin :	India

Product Description

Jamovi for Data Analysis In today's data-driven world, the ability to analyze information accurately is an essential skill across education, research, and industry. However, many traditional statistical tools are either prohibitively expensive or too complex for beginners to master. Jamovi for Data Analysis introduces readers to a powerful, free, and open- source alternative built on the R programming language. By providing a user-friendly point-and-click interface, Jamovi allows users to focus on understanding their data rather than struggling with complex coding or intimidating software environments. This book is specifically designed to build confidence in statistical analysis, guiding readers from the initial installation and interface navigation through to sophisticated data handling and hypothesis testing. The content is presented in a clear, step-by-step manner, enriched with examples that reflect real-world scenarios. Whether you are a student beginning your journey in statistics, a teacher looking for modern pedagogical tools, or a researcher needing a reliable and transparent platform for analysis, this book serves as an indispensable companion. It bridges the gap between theoretical concepts and practical application, making data exploration, visualization, and advanced modeling accessible to all.

Salient Features

- **Comprehensive Tool Introduction**: Learn to navigate Jamovi's modular architecture, including its intuitive Data View, Variable Panel, and Analyses Panel for seamless statistical workflows.
- **Structured Learning Path**: Follow a pedagogical journey from basic data types and measures of central tendency to complex regression models and ANOVA.
- **Practical Implementation Focus**: Master data entry and cleaning by importing various formats like Excel, CSV, and SPSS, or by manually defining variables and

Khanna Publishing House
4C/4344, Ansari Road, Daryaganj, New Delhi-110002
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

types.

- **Visual Data Exploration**: Utilize built-in visualization tools to generate professional histograms, box plots, scatter plots, and bar charts that reveal underlying data patterns.
- **Parametric & Non-Parametric Testing**: Conduct a wide range of essential tests, including t-tests, Chi-square, and Wilcoxon signed-rank tests, with guidance on choosing the right method.
- **Advanced Modeling Techniques**: Explore sophisticated analytical methods such as simple and multiple linear regression, logistic regression, and structural equation modeling (SEM).
- **Real-Time Collaborative Reporting**: Benefit from Jamovi's unique "live results" system where outputs are displayed instantly and can be easily exported to PDF or Word.
- **Assessment and Reinforcement**: Each chapter includes Multiple Choice Questions and Short Answer Questions to test understanding and reinforce key statistical concepts.

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Table Of Contents

- Preface
- Introduction to Jamovi
- Data Types
- Measures of Central Tendency & Dispersion
- Descriptive Statistics with Jamovi
- Correlation and Regression
- Non-Parametric Test & ANOVE
- Data Analysis Using Jamovi

Author

Jeeva Jose

Dr. Jeeva Jose completed Ph. D. in Computer Science from Mahatma Gandhi University, Kerala, India and is a faculty member at BPC College, Kerala. Her passion is teaching and areas of interests include world wide web, Data Mining and Cyber laws. She has been in higher education for the last 15 years and has completed three research projects funded by UGC and KSCSTE. She has published more than twenty research papers in various refereed journals and conference proceedings. She has edited three books and has given many invited talks in various conferences. She is a recipient of ACM-W Scholarship provided by Association for Computing Machinery, New York.

Vijo Mathew

Vijo Mathew is a highly accomplished engineer with three decades of experience in driving innovation and growth in various electrical, electronics, and information technology industries. His track record is complemented by a postgraduate degree in management, equipping him to excel in business management, strategic management,

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

and technology management. His expertise is highly valued in the fields of software, electrical and electronics hardware, and design where he provides strategic guidance and mentorship to organizations seeking to stay ahead of the curve. He has demonstrated a unique ability to bridge the gap between technology and business driving success through his visionary approach and collaborative leadership style. His leadership skills and technical acumen have made him an advisor to some reputed national and international corporations. As an advisor and strategic leader, he is helping organizations achieve their full potential through innovative solutions, effective management, and visionary leadership. He is also author of many books related to technology and management.

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320