Mastering Research Statistics

2ND EDITION

Professor Chua Yan Piaw completed this second edition of Mastering Research Statistics while on sabbatical at the University of Sussex. Having worked as a teacher and researcher in the social sciences for many years, there are students and colleagues who, for reasons of lack of opportunity, confidence or research interests, have not engaged in quantitative analysis of research data. As such, high quality and clear textbooks (like this book) that can be used by novice quantitative researchers are essential. For those with more experience in this area, it is still always important to have such a textbook as Mastering Research Statistics on hand for reference purposes or to refresh their memory.

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Mastering Research Statistics, 2nd Edition, in a practical guide for those who are directly involved in research. It covers basic research statistics which can be used as teaching and learning tool for courses related to research at both undergraduate and postgraduate levels. This book can also be used as a reference by researchers when they are conducting and reporting their research. Not only does Mastering Research Statistics, 2nd Edition, introduce readers to methods of conducting research, it helps them to easily understand the entire research process, including designing the research instrument, data entry and data analysis, and reporting the results.

Explanations about the concepts of research, especially the research design, measurement and format of research reports, are simplified to help readers at all levels of English proficiency better understand what they are reading. Exercises are provided at the end of each chapter to help readers reinforce their understanding of the topics covered in the chapter.

In addition, a new chapter titled "An Introduction to Data Analysis with Structural Equation Modeling" has been added to this edition. It not only introduces the basic concepts of SEM analysis, but also provides examples of SEM research and step-by-step data analysis methods using AMOS and SmartPLS.

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