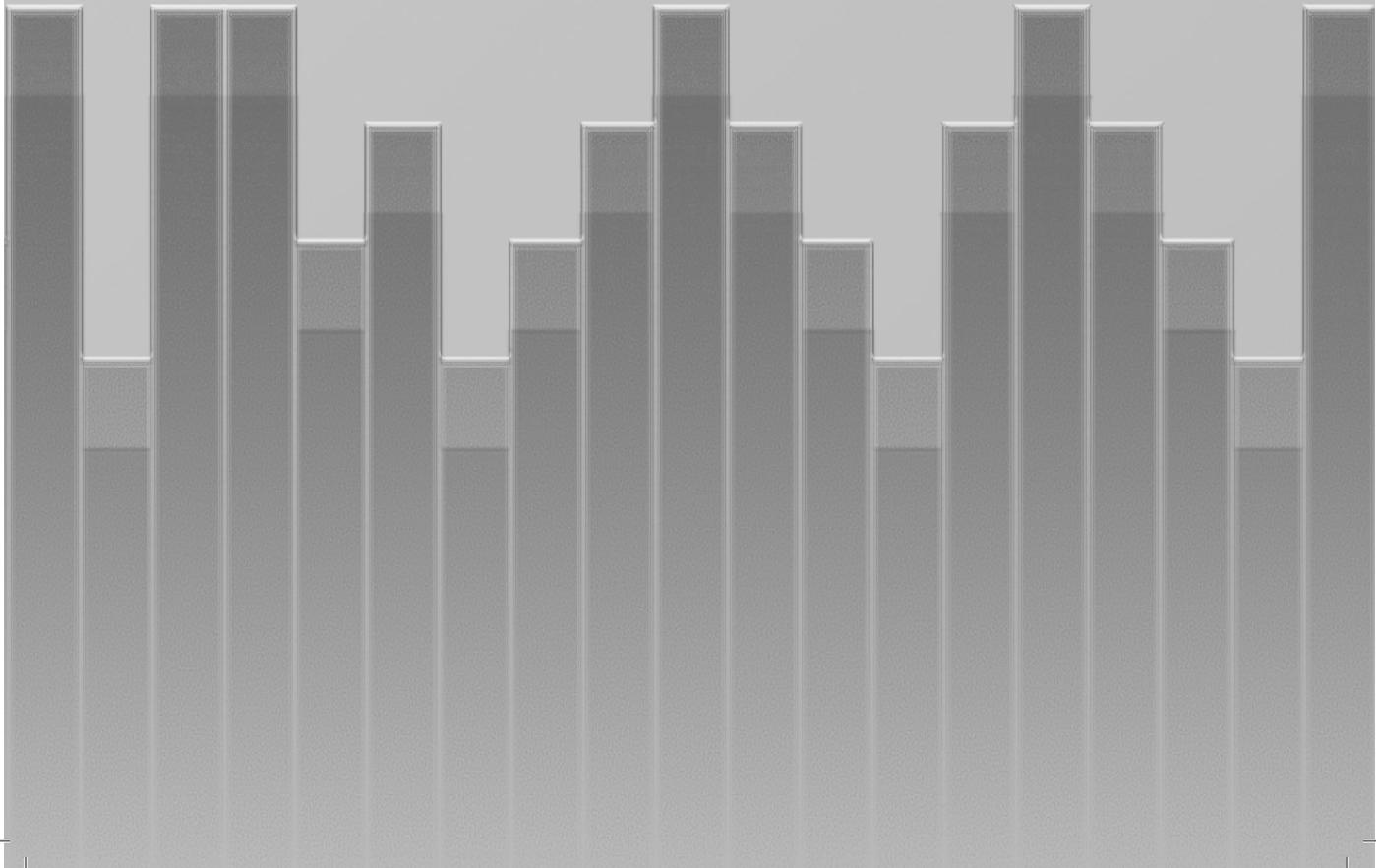
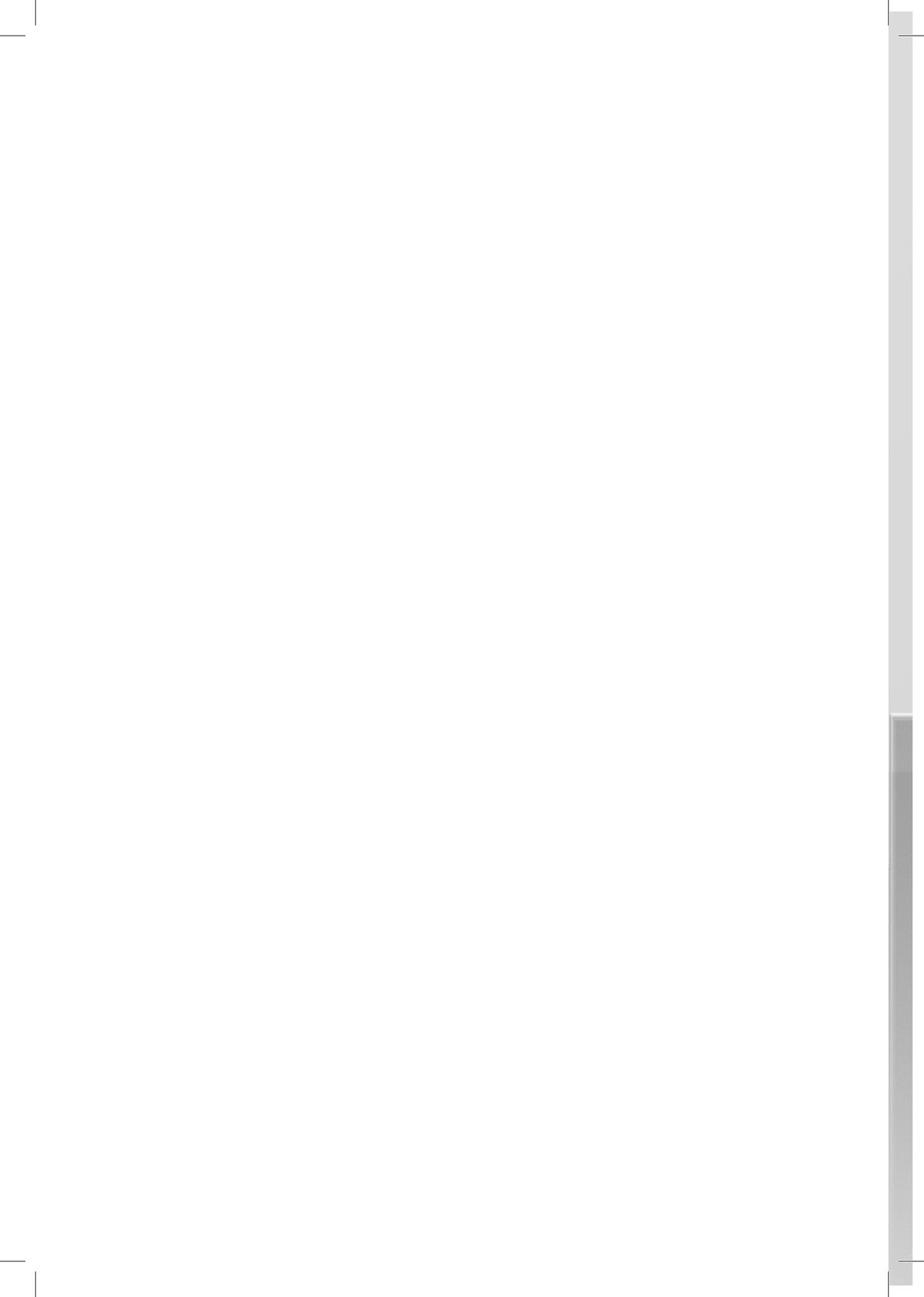


# Introduction to Quantitative Approach in Educational Research





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LAY YOON FAH  
KHOO CHWEE HOON

**PENERBIT UNIVERSITI MALAYSIA SABAH**  
Kota Kinabalu • Sabah • Malaysia  
<http://www.ums.edu.my>  
2016

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A Member of the Malaysian Scholarly Publishing Council (MAPIM)

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Perpustakaan Negara Malaysia

Cataloguing-in-Publication Data

Lay, Yoon Fah, 1966-

Introduction to Quantitative Approach in Educational Research/  
Lay Yoon Fah, Khoo Chwee Hoon.

Includes index

ISBN 978-967-0521-73-2

1. Quantitative research.
  2. Education--Research.
  3. Khoo, Chwee Hoon, 1964-. II. Title
- 001.42

Typeface for text: Californian FB

Text type and leading size: 11/14 points

Published by: Penerbit Universiti Malaysia Sabah  
Ground Floor, Perpustakaan  
Universiti Malaysia Sabah  
Jalan UMS

88400 Kota Kinabalu, Sabah

Printed by: Percetakan Keningau Sdn Bhd (63932H)  
Lot 26, Phase 1, HSK Industrial Centre, km 8,  
Jalan Penampang, 88300 Kota Kinabalu, Sabah.

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# Preface

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This book is an English edition of our previous book entitled “*Pengenalan kepada Pendekatan Kuantitatif dalam Penyelidikan Pendidikan*”, published in 2012 which received overwhelming and encouraging response from undergraduate and postgraduate students. The idea of writing this book emerged when we deeply felt the need to publish an English edition of the said book that could definitely reach a wider audience, locally and internationally.

This book is written especially for undergraduate, postgraduate, and doctoral students of public and private universities. It is also meant for lecturers and students in the Teacher Education Institutes (*Institut Perguruan Guru – IPG*), matriculation colleges, and polytechnics who wish to know more about the use of quantitative approaches in educational research. This book is also useful for individuals who are involved directly or indirectly in educational research and who need to analyze data quantitatively.

This book consists of 17 chapters which discuss the use of quantitative approaches in educational research. Readers will be introduced to educational research. This is followed by a discussion on research philosophies and research ethics involved in educational research. Research design, population, samples and sampling techniques, research instruments, quantitative data analysis and hypothesis testing, the use of parametric and non-parametric statistical tests will also be discussed in detail. Last but not least, the writing of research reports which includes the introduction chapter, literature review chapter, methodology chapter, research findings chapter, and summary, discussion and conclusion chapter will also be discussed in this book. The authors would like to take this opportunity to thank all those who had given feedback and suggestions on the content of the original manuscript.

**Lay Yoon Fah** (Associate Professor Dr)  
Faculty of Psychology and Education  
Universiti Malaysia Sabah  
Kota Kinabalu, Sabah, Malaysia

**Khoo Chwee Hoon** (Dr)  
Teacher Education Institute – Kent Campus  
Tuaran, Sabah, Malaysia

September 2016