

# SPSS

FOR PARAMETRIC STATISTICS

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**2020**

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First Published 2020

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Perpustakaan Negara Malaysia      Cataloguing—in—Publication Data

Maizam Alias

SPSS FOR PARAMETRIC STATISTICS / Maizam Alias, Wan Azlinda Wan Mohamed, Lai Chee Sern, Alias Masek, Ridzwan Che Rus.

ISBN 978-967-2389-66-8

1. SPSS (Computer file).
  2. Statistics--Data processing.
  3. Mathematical statistics--Data processing.
  4. Government publications--Malaysia.
- I. Wan Azlinda Wan Mohamed. II. Lai, Chee Sern.  
III. Alias Masek. IV. Ridzwan Che Rus.  
V. Title.  
005.55

Published by:  
Penerbit UTHM  
Universiti Tun Hussein Onn Malaysia  
86400 Parit Raja,  
Batu Pahat, Johor  
Tel: 07-453 8698 / 8529  
Fax: 07-453 6145

Website: <http://penerbit.uthm.edu.my>  
E-mail: [pt@uthm.edu.my](mailto:pt@uthm.edu.my)  
<http://e-bookstore.uthm.edu.my>

Penerbit UTHM is a member of  
Majlis Penerbitan Ilmiah Malaysia  
(MAPIM)

Printed by:  
Percetakan Muafakat Jaya Sdn.Bhd.  
No 6 Jalan Perdagangan 16  
Taman Universiti Industrial Park  
81300 Skudai, Johor Bahru

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# Preface

This book is written for students, educators and researchers who are beginners to using the Statistical Package for the Social Sciences (SPSS). It consists of six topics on parametric statistical analysis methods and procedures that are often used in the education and social science practice and research. The book starts off with the t-test which is a familiar inferential statistical analysis method to many in the social science discipline.

Each topic is dedicated to one particular statistical method only which makes the book an easy reference to use. A topic begins with a brief description of a specific method; what it is, and where it is to be applied, followed by an example on the procedure for using SPSS, and ends with a set of questions for enhancing a reader's statistical analysis skills using SPSS.

The procedure for conducting a particular statistical analysis method is explained clearly, step by step using simple and precise language with the aid of actual SPSS screen shots that promotes ease of understanding. In addition to an explanation on how to conduct a statistical analysis procedure, this book also gives explanations on how the analysis results should be properly interpreted. Thus, a reader can make a correct interpretation of the results obtained. Making the correct interpretation is critical towards arriving at a correct conclusion! All examples shown in this book are based on another statistics book entitled *Statistics for Education Research*.

A unique feature of this book which is not often found in other statistics book is that, it gives an explanation on how a test result can be professionally reported using a well known format, i.e. the American Psychological Association format (APA). Knowing how to report results properly helps in improving the quality of a report, thesis or a research paper.

We believe that this book would make a good reference for everyone who wishes to develop and further their statistical analysis skills using SPSS. With good reference, it is expected that readers will be able to conduct statistical analysis procedures correctly using SPSS; able to