

READY, SET, GO!

A Guide to SPSS® 16.0–17.0 for Windows®



TENTH EDITION

THOMAS W. PAVKOV ▶ KENT A. PIERCE

Ready, Set, Go!

A Guide to SPSS® 16.0–17.0 for Windows®

Thomas W. Paykov

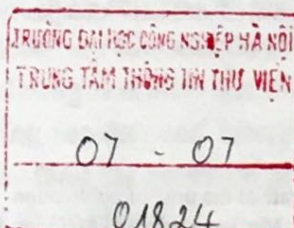
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Preface

This handbook provides the basic information students need to use SPSS® for Windows® in both introductory statistics and research design courses. When used in conjunction with a primary statistics or research design textbook, this book is a flexible and up-to-date tool instructors can use to incorporate computerized statistical analysis into their courses.

This book emerged from our need to provide students with basic information on using SPSS for Windows, the statistical package that we use as part of our course of instruction in behavioral statistics. After searching without success for a guide that would efficiently and clearly provide this type of information, we developed our own instructional material for the course. *Ready, Set, Go! A Student Guide to SPSS® 6.1 for Windows®* was the result of our efforts. This handbook is an updated version designed for use with SPSS for Windows—Version 16.0 and later. The changes in this book are substantive as they involve a transition in SPSS software that is consistent with changes being made in Microsoft products moving from Windows XP to Vista. The new revision reflects significant “look and feel” changes in the SPSS software from previous versions including new developments in graphs and charts.

This handbook is designed to be an inexpensive source of “how-to” information for student users of the SPSS for Windows software. Each assignment provides the user with background information linking statistical methods and the SPSS procedures associated with those methods. The steps of these procedures are illustrated by numerous screen shots of the SPSS graphical user interface. The book also provides basic information on the interpretation of output produced by SPSS. Each chapter ends with an “On Your Own” section containing a learning task that encourages students to undertake independent computer assignments.

This book may be used for more than reference; each assignment has been developed as a guided exercise. Students are introduced to the research process as they work through exercises—formulating research questions, choosing appropriate statistical procedures, summarizing results, and interpreting data. We believe this approach will help students understand the research process and increase their confidence in using SPSS datasets of their choice.

The book is organized topically, covering most of the basic concepts presented in introductory statistics courses. We begin in Assignment 1 by providing the student user with information on how to access basic SPSS procedures such as loading data and printing output. Assignments 2 and 3 cover SPSS procedures for descriptive statistics and for the graphical presentation of data. Assignments 4 through 7

focus on using SPSS to compare groups and paired-samples t tests and then move to one-way analysis of variance for independent and related samples. Correlation and regression analysis are covered in Assignments 8 and 9. Finally, in Assignment 10, the student user is introduced to using SPSS for producing contingency tables and calculating the chi-square statistic. The Appendix contains information about alternate methods of data entry and some sample datasets.

We would like to acknowledge the colleagues, friends, and family members who have supported this project. In addition, we wish to thank Frank Graham for sponsoring this work in its infancy and our new editor, Mike Sugarman. Thanks also to Emily Pecora for coordinating the final edit and production of this edition, and to Jillian Allison, Editorial Coordinator; James Headley, Marketing Manager; and Mira Martin-Parker, Production Editor.

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