

New Procedures and Facilities

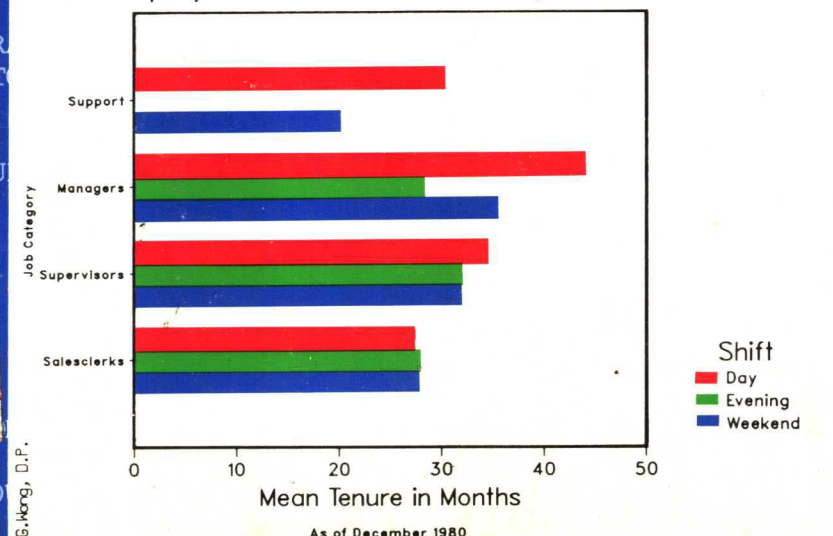
for Releases 7-9

JOB CATEGORY	SHIFT	AGE	TENURE IN COMPANY (Months)	TENURE IN GRADE (Months)	ANNUAL SALARY	NUMBER OF EMPLOYEES
SALESCLERKS	DAY	3	27	22	12338	88
	EVENING		28	24	12773	37
	WEEKEND			22	12468	45
FOR JOB CATEGORY				22	12467	170
SUPERVISORS					19020	23
	EVENING	40	32		19638	13
	WEEKEND	41	32	24	18467	18
FOR JOB CATEGORY		40	33	26	18821	54
MANAGERS	DAY					10
	EVENING					6
	WEEKEND	35	33	33	13195	6
FOR JOB CATEGORY		31	37	32	132305	22
SUPPORT STAFF	DAY	29	30			16
	WEEKEND	30		20	9250.0	2
FOR JOB CATEGORY		29	29	20		18

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TENURE IN GRADE (Months)	ANNUAL SALARY	NUMBER OF EMPLOYEES
18	16004	14
22	16105	35
32	18821	27
27	16435	29
26	16881	105

C. Hadlai Hull
Norman H. Nie

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**New Procedures and Facilities
for Releases 7-9**

Series Editors:

C. Hadlai Hull

Norman H. Nie

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Preface

The SPSS® Batch System has been substantially extended and refined since Release 6, the version documented in *SPSS, Second Edition* (McGraw-Hill, 1975). In Releases 7 and 8 four new statistical procedures and a report generator were added, and full communication was established between the batch system and the SCSS™ Conversational System. Release 9 contains three new statistical procedures and an option for device-independent graphics.

Several existing facilities have been substantially or completely rewritten, and most have been modified to offer new options, improved accuracy, or improved performance. A few such changes will affect control decks set up under Release 6: see Appendix A.

NEW FACILITIES

The following procedures were added in Release 7 or 8:

- **REPORT:** Flexible formatting and labeling for case listings and aggregate statistics.
- **SURVIVAL:** Life tables, graphs of survival functions, and comparisons of survival functions between groups.
- **NPAR TESTS:** Fourteen nonparametric tests.
- **MULT RESPONSE:** Frequency distributions and crosstabulations of multiple-response variables.
- **RELIABILITY:** Analysis of additive scales plus repeated measures and two-way factorial ANOVA.
- **GET SCSS/SAVE SCSS:** Facilities for using or creating SCSS Conversational System masterfiles.

New procedures in Release 9:

- **MANOVA:** A general linear models procedure.
- **BOX JENKINS:** Identification, estimation, and forecasting for univariate time series.
- **NEW REGRESSION:** Multiple regression analysis with extensive facilities for residual analysis.
- **SPSS® GRAPHICS:** Procedures for generating pie charts, bar graphs, and line plots.

MAJOR REVISIONS

The following are some of the more significant changes made to facilities documented in *SPSS, Second Edition*:

- **DATA SELECTION AND MODIFICATION:** New capabilities include production of exact-size and reproducible random samples, normal or uniform distributions of random numbers, a date function, handling of constants in **DO REPEAT**, and a lag facility.
- **SORT CASES:** Entirely rewritten for Release 8, **SORT CASES** can group cases and define subfiles automatically and can be used before any procedure.
- **DISCRIMINANT:** Release 8 **DISCRIMINANT** is an entirely new subprogram. The specifications in *SPSS, Second Edition*, are fully implemented, with several additions.
- **EXTENDED INPUT FORMAT FACILITY:** Additional format items beyond those included in standard **FORTRAN** formats permit reading files which contain binary, packed decimal, zoned decimal, or floating point data.

Many of those changes were made in Release 7; all are available in both Release 8 and Release 9.

The following people contributed to the programs described in this manual or to this manual itself:

Tony Babinec
ViAnn Beadle
Philip Burns
Elaine Chow
Roger Deschner
Steve Drach
Susan Flynn
Jonathan Fry
Robert Gruen
Jean Jenkins
Florence Landrum
Nancy Morrison
Marija Norušis
Mindaugas Pleskys
Amy Reuss
Sue Schott
Keith Sours
Sydney Springer
C. Ming Wang

Other SPSS Inc. Titles from McGraw-Hill Book Company:

SPSS, Second Edition
SPSS Primer
SPSS Pocket Guide, Release 9
SPSS-11: The SPSS® Batch System for the DEC PDP-11®
SCSS: A Guide to the SCSS™ Conversational System
User's Manual for IDA
Conversational Statistics

Please contact the Marketing Department of SPSS Inc. for information about the SPSS Batch System, the SPSS-11 System, the SCSS Conversational System, and the IDA Interactive Data Analysis and Forecasting System.

SPSS Inc.
Suite 3300
444 North Michigan Avenue
Chicago, Illinois 60611
(312) 329-2400

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