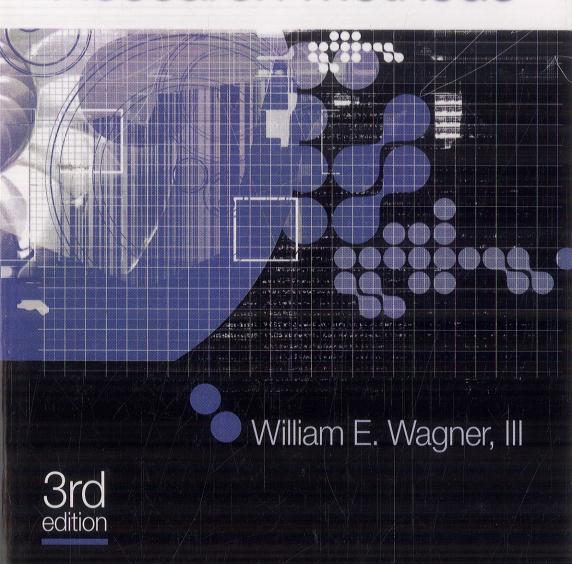
Using IBM® SPSS® Statistics for Social Statistics and Research Methods



Contents

Preface	VII
Acknowledgments	viii
CHAPTER 1: Overview What's the Difference Between SPSS Statistics	1
and PASW Statistics? None	1
Statistical Software	1
About the General Social Survey (GSS) Data	2
SPSS/PASW Electronic Files	3
Opening Existing Data Files	3
Importing Data From Non–SPSS/PASW Statistics File Formats	5
Opening Previously Created Output Files	6
Saving Files	7
Creating New SPSS/PASW Statistics Data Files	7
Creating and Editing SPSS/PASW Statistics Output Files Preferences: Getting Started	10 11
Measurement of Variables Using SPSS/PASW Statistics	13
References	13
CHAPTER 2: Transforming Variables Recoding and Computing Variables	15 15
Recoding Variables: Dichotomies and Dummy Variables	16
Recoding Using Two or More Variables to	10
Create a New Variable	19
Computing Variables	22
Using the Count Function	24
Computing an Index Using the Mean	27
Multiple Response	31
CHAPTER 3: Selecting and Sampling Cases	34
Targeted Selection	34
Random Selection	37
Selecting Cases for Inclusion in a New Dataset	39
CHAPTER 4: Organization and Presentation of Information	41
Measures of Central Tendency and Variability	41
Frequency Distributions	43
CHAPTER 5: Charts and Graphs	52
Boxplot	52
Legacy Options for Graphs (Boxplot Example)	56
Scatterplot	57
Legacy Scatterplot	59
Histogram	60
Multivariate Histogram	63

Horizontal Histogram	64
Bar Graph	66
Multivariate Bar Graph	68
Pie Chart	72
Additional Graphic Capabilities in SPSS/PASW Statistics	75
CHAPTER 6: Cross-Tabulation and Measures of Association for	
Nominal and Ordinal Variables	76
Bivariate Analysis	76
Adding Another Variable or Dimension to the Analysis Measures of Association for Nominal and Ordinal Variables	78
Lambda (λ)	80
Gamma (γ), Kendall's Tau- b , and Somers' d	80 83
References	86
CHAPTER 7: Correlation and Regression Analysis	87
Bivariate Regression	87 87
Correlation	90
Multiple Regression	92
CHAPTER 8: Logistic Regression Analysis	98
Preparing Variables for Use in Logistic Regression Analysis	98
Creating a Set of Dummy Variables to Represent a	,,
Multicategory Nominal Variable	101
Logistic Regression Analysis	106
Logistic Regression Using a Categorical Covariate Without	
Dummy Variables	108
Interpreting Odds Ratios	110
CHAPTER 9: Testing Hypotheses Using Means	
and Cross-Tabulation	113
Comparing Means	113
Comparing Means: Paired-Samples t Test	115
Comparing Means: Independent-Samples t Test Chi-Square (χ^2)	117
Chi-Square (χ^2) and Cross-Tabulation	119 123
CHAPTER 10: Analysis of Variance	
One-Way ANOVA	126 126
ANOVA in Regression	130
CHAPTER 11: Editing Output	
Editing Basic Tables	132 132
Copying to Microsoft Word	134
Exporting Output	135
Editing Charts and Graphs	137
CHAPTER 12: Advanced Applications	142
Merging Data From Multiple Files	142
Opening Previously Created Syntax Files	144
Creating New SPSS/PASW Syntax Files	146
AL	
About the Author	148