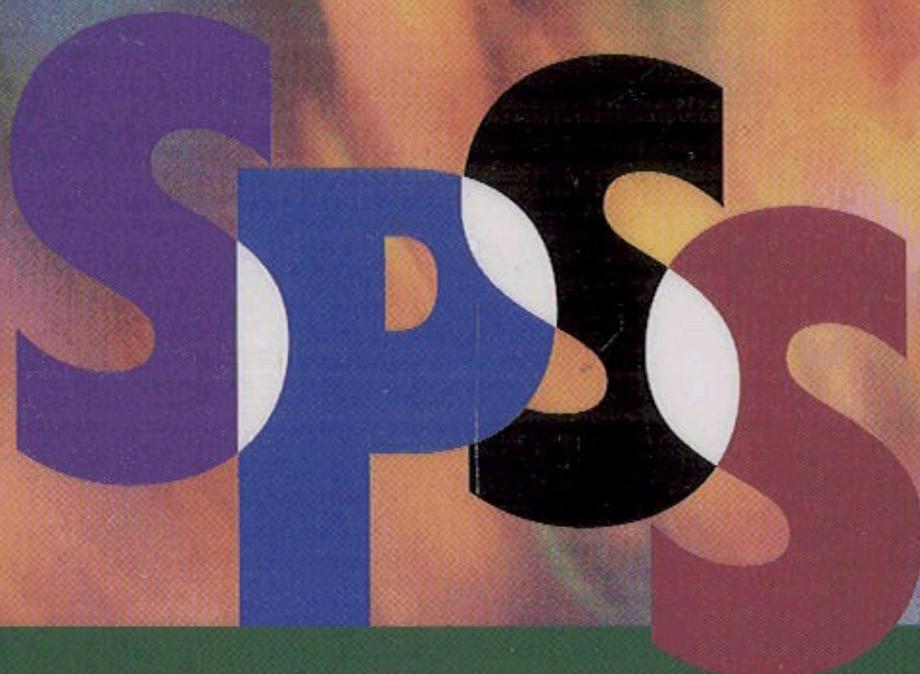


Updated for versions 10, 11, 12, and 13

A Crash Course in



for Windows

THIRD EDITION

Andrew Colman and Briony Pulford



Blackwell
Publishing

Contents

<i>Preface to the Third Edition</i>	viii
<i>Choosing an Appropriate Statistical Procedure</i>	xi
<i>Where to Find Things in SPSS</i>	xii
1 Introduction	1
2 Using Windows	3
2.1 Running SPSS for Windows	4
2.2 Resizing and moving a window	7
2.3 The Data Editor	9
2.4 Entering data	10
2.5 Scrolling	11
2.6 Saving data	12
2.7 Exiting SPSS for Windows	14
3 Loading Data and Printing	15
3.1 Loading data	16
3.2 Printing an entire data set	18
3.3 Printing a selection of data	19
4 General Descriptive Statistics	21
4.1 Analysing data	22
4.2 Means, standard deviations, and other measures	22
4.3 Cutting and pasting	26
4.4 Pasting data into a Word document	27
5 Correlation Coefficients	29
5.1 Background	30

5.2 Pearson's correlation coefficient	30
5.3 Spearman's rho	34
6 Chi-square Tests	37
6.1 Background	38
6.2 The chi-square test of association	38
6.3 Naming variables and labelling values	39
6.4 Data input and analysis	41
6.5 The chi-square goodness-of-fit test	44
7 Independent-samples, Paired-samples, and One-sample t Tests	49
7.1 Background	50
7.2 The independent-samples <i>t</i> test	50
7.3 The paired-samples <i>t</i> test	55
7.4 The one-sample <i>t</i> test	58
8 Mann-Whitney <i>U</i> and Wilcoxon Matched-pairs Tests	61
8.1 Background	62
8.2 The Mann-Whitney <i>U</i> test	62
8.3 The Wilcoxon matched-pairs test	66
9 One-way Analysis of Variance	69
9.1 Background	70
9.2 Data input	70
9.3 Analysis	72
9.4 Results	76
10 Multifactorial Analysis of Variance	79
10.1 Background	80
10.2 Data input	80
10.3 Analysis	83
10.4 Results	87
11 Repeated-measures Analysis of Variance	93
11.1 Background	94
11.2 Data input	94
11.3 Analysis	97
11.4 Results	101
12 Multiple Regression	107
12.1 Background	108
12.2 Data input	109
12.3 Analysis	110
12.4 Results	116

13 Log-linear Analysis	121
13.1 Background	122
13.2 Data input	125
13.3 Analysis	127
13.4 Results	130
14 Factor Analysis	137
14.1 Background	138
14.2 Data input	139
14.3 Analysis	140
14.4 Results	145
15 Charts and Graphs	151
15.1 Background	152
15.2 Bar charts	152
15.3 Pie charts and simple line graphs	159
15.4 Multiple line graphs	162
15.5 Scatterplots	168
16 Handling Variables and Large Data Files	171
16.1 Recoding to create new variables	172
16.2 Computing new variables	175
16.3 Handling large data files	177
17 Syntax Windows	181
17.1 Background	182
17.2 A worked example	182
17.3 Some syntax procedures	185
<i>Appendix 1: Handling Dates</i>	187
<i>Appendix 2: Exporting and Importing Excel Files</i>	195
<i>References</i>	199
<i>Index</i>	201