

DISCOVERING STATISTICS USING IBM SPSS STATISTICS

ANDY FIELD

USAGE

CONTENTS

PREFACE	xv
HOW TO USE THIS BOOK	xxi
THANK YOU	xxv
SYMBOLS USED IN THIS BOOK	xxviii
SOME MATHS REVISION	xxx
1 WHY IS MY EVIL LECTURER FORCING ME TO LEARN STATISTICS?	1
2 THE SPINE OF STATISTICS	47
3 THE PHOENIX OF STATISTICS	95
4 THE IBM SPSS STATISTICS ENVIRONMENT	135
5 EXPLORING DATA WITH GRAPHS	177
6 THE BEAST OF BIAS	225
7 NON-PARAMETRIC MODELS	281
8 CORRELATION	333
9 THE LINEAR MODEL (REGRESSION)	369
10 COMPARING TWO MEANS	437
11 MODERATION, MEDIATION AND MULTICATEGORY PREDICTORS	481
12 GLM1: COMPARING SEVERAL INDEPENDENT MEANS	519
13 GLM 2: COMPARING MEANS ADJUSTED FOR OTHER PREDICTORS (ANALYSIS OF COVARIANCE)	573
14 GLM 3: FACTORIAL DESIGNS	607
15 GLM 4: REPEATED-MEASURES DESIGNS	649
16 GLM 5: MIXED DESIGNS	703
17 MULTIVARIATE ANALYSIS OF VARIANCE (MANOVA)	735
18 EXPLORATORY FACTOR ANALYSIS	777
19 CATEGORICAL OUTCOMES: CHI-SQUARE AND LOGLINEAR ANALYSIS	835
20 CATEGORICAL OUTCOMES: LOGISTIC REGRESSION	877
21 MULTILEVEL LINEAR MODELS	935
EPILOGUE	991
APPENDIX	995
GLOSSARY	1007
REFERENCES	1043
INDEX	1057