Contents

List of figures page viii
List of tables x
List of contributors xi
Preface xiii

1 Controlled experiments 1
ANN BLANDFORD, ANNA L. COX AND PAUL CAIRNS

2 Questionnaires, in-depth interviews and focus groups 17
ANNE ADAMS AND ANNA L. COX

3 Eyetracking in HCI 35
NATALIE WEBB AND TONY RENSHAW

4 Cognitive modelling in HCI research 70
ANNA L. COX AND DAVID PEEBLES

5 Formal analysis of interactive systems: opportunities and weaknesses 88
MICHAEL HARRISON, JOSÉ CREISSAC CAMPOS AND KARSTEN LOER

6 Using statistics in usability research 112
PAUL CAIRNS AND ANNA L. COX

7 A qualitative approach to HCI research 138
ANNE ADAMS, PETER LUNT AND PAUL CAIRNS

8 Methodological development 158
ANN BLANDFORD AND THOMAS GREEN

9 Theoretical analysis and theory creation 175
ALAN DIX

10 Write now! 196
HAROLD THIMBLEBY

11 Applying old research methods to new problems 212
PAUL CAIRNS AND ANNA L. COX

References 221
Index 237