

PART I Introduction

Chapter 1 Explaining what research is	2
Definition of research	3
Visualizing the research process	7
Classifications of research	9
Qualities of a good researcher	15
Summary	16
After-reading activities	17
Chapter 2 Fundamental concepts	18
Hypothesis, theory, and model	18
Population and sample	22
Variables	23
Level of measurement	30
Operationalization	35
Summary	38
After-reading activities	40

PART II Researching

Chapter 3 Developing research questions	42
Procedures	42
Problems in question formation	48
Summary	56
After-reading activities	57
Chapter 4 Reading the literature	58
Sources of literature	58
Procedures for reviewing the literature	61
Constructing a working bibliography	61
Deciding on the scope	66
Deciding what is for detailed reading	68

Summarizing the information	69
Summary	71
After-reading activities	72
Chapter 5 Selecting research designs	73
Quantitative and qualitative	73
Links between questions and designs	80
A mono-design and a mixed design	82
Complexities in classifying designs	87
Summary	90
After-reading activities	91
Chapter 6 A survey study	93
A brief description of a survey study	93
Instrument designing: questionnaire	95
Scaling techniques	109
Selecting subjects	112
Administering the questionnaire	118
Summary	119
After-reading activities	121
Chapter 7 An experimental study	122
A brief description of an experimental study	122
Causality	125
Validity in experimentation	127
Types of experimental studies	135
Procedures for an experimental study	141
Summary	147
After-reading activities	148
Chapter 8 A case study	149
A brief description of a case study	149
Selecting participants	151
Collecting data	153
Summary	171
After-reading activities	172

Chapter 9 Basic statistics	173
A brief description of statistics	173
Descriptive statistics	174
Inferential statistics	183
Summary	187
After-reading activities	188

Chapter 10 The analysis of quantitative data	189
An overview of SPSS for Windows.....	189
Analyzing the data of a questionnaire.....	193
Analyzing the data of an experiment	212
Summary	215
After-reading activities	217

Chapter 11 The analysis of qualitative data	219
Choices for analyzing qualitative data.....	219
Data preparation.....	222
Qualitative analysis	227
Validity and reliability.....	237
Summary	237
After-reading activities	239

PART III Thesis Writing

Chapter 12 An overview of thesis writing	242
Definition of thesis and dissertation.....	242
The structure of a thesis	243
Suggestions for writing a thesis within a time frame.....	252
Summary	255
After-reading activities	256

Chapter 13 Writing up a thesis/dissertation	257
Writing an introduction.....	257
Writing a literature review.....	259
Describing methodology.....	268
Reporting results and discussion	274

Writing a conclusion	280
Summary	286
After-reading activities	287
Chapter 14 Writing styles and avoiding plagiarism	288
Academic writing style	288
APA writing format	290
Avoiding plagiarism	302
Summary	310
After-reading activities	311
References	312
Subject index	319
Author index	322