

Contents

Online resources	xiii
Preface to the third edition	xiv
ATLAS.ti key terms	xvi
Introduction	xxv
For whom did I write the book?	xxvii
Chapter overview	xxviii
Sample projects	xxx
Further reading	xxxii
1 Overview of the process of computer-assisted analysis	1
Phase 1: description of the data – creation of a code system	2
Phase 2: querying data – finding answers – identifying relationships	3
The analytic process	4
Does my methodological approach fit a computer-assisted analysis?	6
Further reading	7
2 Getting to know ATLAS.ti	9
Skills training 2.1: starting the program and importing the sample project	10
Skills training 2.2: getting to know the user interface	11
The ATLAS.ti ribbon	12
The navigation panel	14
Description of entities that you are going to work with in ATLAS.ti	15
Skills training 2.3: working with the entity managers	16
Skills training 2.4: working with docked and floated windows	17
Skills training 2.5: loading documents	19
Skills training 2.6: creating tab groups	20
Skills training 2.7: simple data retrieval	21
Skills training 2.8: looking at a network	21
Skills training 2.9: previewing the Query Tool	22
Review questions	23

3 Embarking on the journey – data and project management	25
Data preparation	27
Text documents	28
PDFs	29
Audio and video files	29
Multimedia transcripts	30
Image files	30
Excel files (survey import)	30
File size and document length	31
Language support	31
Collecting data with the ATLAS.ti mobile app	31
Transcription guidelines	31
Guidelines for interview transcripts	31
Guidelines for focus group transcripts	32
About data file names	33
Project management in ATLAS.ti	34
Skills training 3.1: setting up a project	36
Creating a new project	36
Adding documents	37
Commenting your data and keeping track of analytic thoughts	37
Saving the project	38
Skills training 3.2: organizing project documents	38
Creating groups in a manager	39
Creating groups in the Group Manager	41
Deleting a group	42
Renaming a group	43
Skills training 3.3: managing your project	43
Removing documents from a project	43
Renumbering documents	43
Deleting a project	44
Skills training 3.4: exporting projects for project transfer or backup	44
Skills training 3.5: creating project snapshots	45
Skills training 3.6: changing the default location for ATLAS.ti project data	46
Skills training 3.7: preparing and importing survey data	48
Preparing survey data	49
Importing survey data	50
Inspecting the imported data	50
Working with survey data	51
Skills training 3.8: importing reference manager data for a literature review	52
Skills training 3.9: writing memos in the early stages of analysis	54



Creating a memo	56
When to use comments and memos in ATLAS.ti	57
Skills training 3.10 exploring your data – creating word clouds	59
Skills training 3.11: keyword in context search	65
Review questions	67
Further reading	67
4 Technical aspects of coding	69
Skills training 4.1: coding with a new code	71
Quotation reference	73
Code reference	74
Skills training 4.2: coding with two or more codes	75
Skills training 4.3: list coding	75
Skills training 4.4: coding via drag and drop	76
Skills training 4.5: replacing a code	77
Skills training 4.6: resizing the length of a quotation	77
Skills training 4.7: unlinking and removing codes	78
Skills training 4.8: writing quotation comments	79
Skills training 4.9: coding with in-vivo codes	80
Skills training 4.10: further coding-related options	81
Creating new codes	81
Renaming codes	82
Adding a color attribute to codes	82
Deleting codes (and other entities)	82
Writing code definitions	83
Merging codes	84
Skills training 4.11: importing a list of existing codes	85
Skills training 4.12: exporting the code list for reuse in another project	86
Skills training 4.13: focus group coding	86
Coding focus group data	88
Handling other media types	90
Skills training 4.14: coding a PDF document	90
Skills training 4.15: working with audio and video files	90
Adding audio/video files to a project	91
Display of video documents	91
Zooming the timeline	92
Creating an audio or video quotation	93
Display of video quotations	94
First steps in analyzing video data	95
Making use of quotation names and comments	95
Adding codes	96
Skills training 4.16: coding an image	97

Skills training 4.17: working with geo data	98
Adding a geo document	98
Creating a geo quotation	99
Coding geo quotations	100
Review questions	101
Further reading	101
5 Creating a coding scheme	103
Let's do a puzzle so you remember how good you are at categorizing	105
Skills training 5.1: noticing and collecting – coding data for content	108
Discussion of the coding exercise	110
How to add more structure to your exploration	111
More on code word labels, quotations and numbers	116
The 'right' length for quotations	116
What to do with repeated occurrences	116
The 'right' number of codes	117
More on categories and subcategories	118
Do I need to code everything?	120
Building an efficient code system	120
Skills training 5.2: retrieving all quotations of a code	122
Skills training 5.3: developing subcategories	124
Skills training 5.4: building categories from descriptive labels	129
Skills training 5.5: defining categories on the 'right' level	135
Skills training 5.6: comparing thematic to interpretive coding	139
Advantages of a well-sorted and structured code list	143
Using syntax to distinguish between distinct levels and types of codes	145
Moving on	147
Skills training 5.7: writing research-question memos	147
Recommendations for organizing research-question memos	151
Review questions	151
Further reading	152
6 Querying the data and further steps in the analysis process	154
Skills training 6.1: getting to know the operators	155
Boolean operators	155
Proximity operators	157
Semantic operators	161
Exploring the data terrain further – the journey continues	163
Skills training 6.2: creating and working with smart codes	163
Creating smart codes	164
Editing smart-code queries	165



Skills training 6.3: getting to know the Code Co-occurrence Table	166
For anyone interested in the mathematics behind the c-coefficient	168
Skills training 6.4: getting to know the Code-Document Table	169
Skills training 6.5: creating queries in the Query Tool	173
Starting simple: building a query using set operators	173
Creating a report	174
Building a query using proximity operators	176
Building more complex queries	176
Skills training 6.6: learning about code queries in combination with document attributes	178
Skills training 6.7: creating smart groups	181
Skills training 6.8: working with global filters	182
Global filters in the Code Co-occurrence Table	184
Global filters in the Code-Document Table	186
Reflections on the use of code groups	187
Reflections on the use of numbers and how perfect does the code system need to be?	188
Review questions	189
Solutions	190
Skills training 6.1: understanding Boolean operators	190
Skills training 6.5: step-by-step instruction to answer RQ6	190
Further reading	191
7 Recognizing and visualizing relationships – working with networks	192
Skills training 7.1: learning terminology	194
Skills training 7.2: using networks for conceptual-level analysis	196
Exploring code co-occurrences in networks	196
Case-based analysis in networks	200
Using networks to develop the storyline for your research report	202
Using networks to discuss findings with your adviser or colleague(s)	203
Using networks to present findings	203
Illustrating results from the Schwarzenegger project	204
Illustrating results from a media analysis of the financial crisis	204
Using networks in publications	205
Skills training 7.3: creating and working with networks	206
Learning how to link	207
Relation properties	207
Exploring the links	209
Linking multiple nodes simultaneously	209
Adding nodes	210
Removing nodes	211



Moving nodes	211
Accessing data behind nodes	211
Layout options	212
Routing	214
Network view options	214
Skills training 7.4: working with the Relations Editor	215
Opening the Relations Editor	215
Modifying an existing relation	216
Creating a new relation	216
On the use of networks for structural purposes	216
Dealing with case-based networks	219
Hyperlinks in ATLAS.ti	220
Examples of using hyperlinks	220
Skills training 7.5: working with hyperlinks	221
Linking quotations	222
Linking across tab groups	223
Browsing hyperlinks	224
Visualizing hyperlinks	225
Overview of all code–code links and hyperlinks	226
Review questions	226
Further reading	227
8 Compiling the final report – the last phase of the writing process	228
Contents for the method chapter	229
Contents for the result chapter	231
Skills training 8.1: exporting memos for reports	232
Skills training 8.2: how to quote data segments in reports	233
Skills training 8.3: exporting networks for reports	234
Contents for the appendix	234
Skills training 8.4: creating a code book	235
Skills training 8.5: exporting the document with codes in the margin	236
Review questions	237
Further reading	237
9 Teamwork	238
Decide who is going to be the project manager	239
Checking user accounts	239
Common tasks of project managers	241
Skills training 9.1: merging projects	242
Housekeeping	246



Common tasks of team members	247
Importing project bundle files	247
Overview of team project tasks	249
Scenario 1 – analyzing a common set of documents	250
Scenario 2 – analyzing different sets of documents	252
Scenario 3 – joint development of a coding frame	253
Scenario 4 – team projects for the classroom	257
Overview of the tasks for classroom projects	257
Scenario 4a – the teacher-guided classroom project	260
Scenario 4b – the teacher-guided project with more student autonomy	263
Scenario 4c – for a two-semester qualitative method course	264
Scenario 5: inter-coder agreement	264
To the critics	265
Why reliability matters	266
Reliability and validity	267
Requirements for coding	268
Development of semantic domains	268
Multi-valued coding	270
Common mistakes	271
Measuring inter-coder agreement	272
Krippendorff's family of alpha coefficients – from the general to the specific	275
Other methods for analyzing inter-coder agreement	276
Decision rules	278
Skills training 9.2: analyzing inter-coder agreement	280
Project set-up	280
Performing inter-coder agreement analysis	283
Interpreting results	287
Relevance	288
Agreement on the presence or absence of semantic domains	289
Domain identification	290
Agreement in coding within a semantic domain	291
Violation of mutually exclusive coding	292
Qualitative comparison of the codings of different coders	294
Epilogue	297
References	298
Index	303