

QUICK TOUR

ATLAS.ti Mac

Analyze anything, faster.

ATLAS.ti helps you uncover better insights with intuitive research tools and best-in-class technology. Built for every need: from basic analysis tasks to the most in-depth research projects.

Access to all versions with any license: 🗯		iOS	.



Trusted by over 26,000 forward-thinking companies

Preface

ATLAS.ti Quick Tour

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Please always update to the latest versions of ATLAS.ti when notified during application start.

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About this Quick Tour

This Quick Tour describes the main functions of ATLAS.ti, so that you get a quick overview of how to use the software and get started with your analysis. If you need more detail or information about functions that are not described in this manual, you can always use the online help by pressing the F1 key.

Video Tutorial: Overview of ATLAS.ti 22 Mac.

It is not required that you read the manual sequentially from the beginning to the end. Feel free to skip sections that describe concepts you are already familiar with, jump directly to sections that describe functions you are interested in, or simply use it as a reference guide to look up information on certain key features.

The sequence of the chapters follows the steps that are necessary to start and work on an ATLAS.ti project. At first, we introduce you to the main concepts and give an overview of the main steps when analysing data with ATLAS.ti. Then we walk you through step-by-step:

- How to create a project and add documents.
- How to code you data.
- How to explore your data and write memos and comments.
- How to analyse your data and build conceptual networks.
- How to create reports.

Some general familiarity with concepts and procedures relating to the operating system and computing in general (e.g., selecting techniques, files, folders, paths) is assumed.

This is largely a technical document. You should not expect any detailed discussion of methodological aspects of qualitative research. However, you find some recommendations about how to code your data, how to build a coding system for a computer-assisted qualitative data analysis, or how to work with memos including references to academic sources. At the end of some chapter you find longer lists of articles, book chapters or books for further study.

Useful Resources for Getting Started

Video tutorials are available for each main topic. You find links to those tutorials at the beginning of the chapters introducing a new main topic.

To those seeking in-depth instruction on methodological aspects, the ATLAS.ti Training Center offers a full complement of dedicated ATLAS.ti training events worldwide, both through online courses and face-to-face seminars in nearly all parts of the world. Visit the ATLAS.ti Academy for more information.

ATLAS.ti Account and Licence Activation

For further information on Multi-User License Management, see our Guide for License Holders & Administrators.

Requesting a Trial Version

Go to https://my.atlasti.com/ to create an account.

Confirm your email address.

Request a trial license by clicking on Trial Desktop.

This brings you to the Cleverbridge Website.

Enter the required information and download the software.

If you do not want to download the software immediately, you can always do this later in your ATLAS.ti account. To do so, select **My Applications**.

The trial version can be used for 5 active days by one person on one computer within a period of 3 months. At the end of the test period, you can continue to use ATLAS.ti with limited functionality. If your project contains more than 10 documents, 50 quotations or 25 codes, you can no longer save any changes. Thus, ATLAS.ti then becomes a read-only version.

You can initiate the purchase of a full licence from your ATLAS.ti account. After activating the licence, and the program can be used again at full capacity. You can also continue to work on your project without any data loss.

You cannot install a trial version again on the same computer.

Activating a Licence

You need to make an online connection at least once to activate your licence. Once the account it activated, you can work offline and no further online connection is required.

Please note, if you are using a seat that is part of a multi-user licence, you will blog the seat if you are offline.

If you have purchased an individual license from the ATLAS.ti web shop, your license has been added to your account. The next step is to activate it.

Similarly, if you are a member of a team of users under a multi-user license, you have received a license key, an invitation code, or invitation link from the person who manages the license.

The ATLAS.ti License Management System allocates seats of multi-user license dynamically. This means, you are assigned the first free seat under your license. If all seats are occupied, you will be allocated the next seat that opens up.

Log in to your ATLAS.ti account.

Navigate to License Management (the default page) and enter either the license key, or the invite code that you were given by the license owner/license manager.

Click Activate License.

Start ATLAS.ti on your computer and click Check For Updated License and follow the on-screen instructions to complete a few easy steps to activate your license.

Your installation is now activated, and you can start using ATLAS.ti.

Accessing Your Account from within ATLAS.ti

On the opening screen, click on the user avatar. If you have not added a picture yet, it will show the first two letters of your account name.



Click on Manage Account. This takes you to the login screen. Enter your log-in information (email and password) to access your account.



Logging Out

It is important to understand that the installation of ATLAS.ti is independent of the licencing of the software. You can have ATLAS.ti installed on as many computers as you want. A single-user licence gives you the right to use it on two computers, e.g. your desktop computer at the office and your laptop at home; or your Windows computer and your Mac computer; or the Cloud version and a desktop version. If you want to use ATLAS.ti on a third computer, or if you get a new computer, make sure you log out at the computer that you do no longer want to use. If you have been invited to use a multi-user license, you will have one seat for the time when using ATLAS.ti.

There are two ways how to log out to free a seat:

Click on the user avatar in the welcome screen and click Log Out.

If you forgot to log out in ATLAS.ti, you can always access your user account via a web browser:

Go to https://my.atlasti.com/. Enter your email address and password to log in.

Select the Log Out option at the bottom left above your avatar in your ATLAS.ti account.



Working Off-Line

When starting ATLAS.ti, it checks whether you have a valid licence. If you know that you won't have online-access for a given period, you can set your licence to **off-line** work for a specified period.

If you have a licence that does not expire, the maximum off-line period is four months. If you have a lease licence, the maximum period is dependent on the expiration date of your lease. This means, if your licence expires in 1 month, you cannot set the offline period to an additional 3 months.

After the period expired, you need to connect to the Internet again to verify your licence.

Limited Version after Licence Expiration

Once the trial period or a time limited licence expire, the program is converted into a limited version. You can open, read and review projects, but you can only save projects that do not exceed a certain limit (see below). Thus, you can still use ATLAS.ti as a read-only version.

You cannot install a trial version again on the same computer.

Restrictions of the Limited Version

- 10 primary documents
- 50 quotations
- 25 codes
- 2 memos
- 2 network views
- auto backup is disabled

Introduction

ATLAS.ti is a powerful workbench for the qualitative analysis of larger bodies of textual, graphical, audio, and video data. It offers a variety of tools for accomplishing the tasks associated with any systematic approach to unstructured data, i.e., data that cannot be meaningfully analyzed by formal, statistical approaches. In the course of such a qualitative analysis, ATLAS.ti helps you to explore the complex phenomena hidden in your data. For coping with the inherent complexity of the tasks and the data, ATLAS.ti offers a powerful and intuitive environment that keeps you focused on the analyzed materials. It offers tools to manage, extract, compare, explore, and reassemble meaningful pieces from large amounts of data in creative, flexible, yet systematic ways.

Video Tutorial: Overview of ATLAS.ti 22 Mac.

The VISE Principle

The main principles of the ATLAS.ti philosophy are best encapsulated by the acronym VISE, which stands for

- Visualization
- Immersion
- Serendipity
- Exploration

Visualization

The visualization component of the program means directly supports the way human beings think, plan, and approach solutions in creative, yet systematic ways.

Tools are available to visualize complex properties and relations between the entities accumulated during the process of eliciting meaning and structure from the analyzed data.

The process is designed to keep the necessary operations close to the data to which they are applied. The visual approach of the interface keeps you focused on the data, and quite often the functions you need are just a few mouse clicks away.



Immersion

Another fundamental design aspect of the software is to offer tools that allow you to become fully immersed in your data. No matter where you are in the software, you always have access to the source data. Reading and re-reading your data, viewing them in different ways and writing down your thoughts and ideas while you are doing it, are important aspects of the analytical process. And, it is through this engagement with the data that you develop creative insights.

Serendipity

Webster's Dictionary defines serendipity as a seeming gift for making fortunate discoveries accidentally. Other meanings are: Fortunate accidents, lucky discoveries. In the context of information systems, one should add: Finding something without having actually searched for it.

The term *serendipity* can be equated with an intuitive approach to data. A typical operation that relies on the serendipity effect is *browsing*. This information-seeking method is a genuinely human activity: When you spend a day in the local library (or on the World Wide Web), you often start with searching for particular books (or keywords). But after a short while, you typically find yourself

increasingly engaged in browsing through books that were not exactly what you originally had in mind - but that lead to interesting discoveries.

Examples of tools and procedures ATLAS.ti offers for exploiting the concept of serendipity are the Search & Code Tools, the Word Clouds and Lists, the Quotation Reader, the interactive margin area, or the hypertext functionality.

Exploration

Exploration is closely related to the above principles. Through an exploratory, yet systematic approach to your data (as opposed to a mere *bureaucratic* handling), it is assumed that especially constructive activities like theory building will be of great benefit. The entire program's concept, including the process of getting acquainted with its particular idiosyncrasies, is particularly conducive to an exploratory, discovery-oriented approach.

Areas of Application

ATLAS.ti serves as a powerful utility for qualitative analysis of textual, graphical, audio, and video data. The content of these materials is in no way limited to any one particular field of scientific or scholarly investigation.

Its emphasis is on qualitative, rather than quantitative, analysis, i.e., determining the elements that comprise the primary data material and interpreting their meaning. A related term would be "knowledge management," which emphasizes the transformation of data into useful knowledge.

ATLAS.ti can be of great help in any field where this kind of *soft data* analysis is carried out. While ATLAS.ti was originally designed with the social scientist in mind, it is now being put to use in areas that we had not really anticipated. Such areas include psychology, literature, medicine, software engineering, user experience research, quality control, criminology, administration, text linguistics, stylistics, knowledge elicitation, history, geography, theology, and law, to name just some of the more prominent.

Emerging daily are numerous new fields that can also take full advantage of the program's facilities for working with graphical, audio, and video data. A few examples:

- Anthropology: Micro-gestures, mimics, maps, geographical locations, observations, field notes
- Architecture: Annotated floor plans
- Art / Art History: Detailed interpretative descriptions of paintings or educational explanations of style
- Business Administration: Analysis of interviews, reports, web pages
- Criminology: Analysis of letters, fingerprints, photographs, surveillance data
- Geography and Cultural Geography: Analysis of maps, locations
- Graphology: Micro comments to handwriting features.
- Industrial Quality Assurance: Analyzing video-taped user-system interaction
- Medicine and health care practice: Analysis of X-ray images, CAT scans, microscope samples, video data of patient care, training of health personal using video data
- Media Studies: Analysis of films, TV shows, online communities
- Tourism: Maps, locations, visitor reviews

Many more applications from a host of academic and professional fields are the reality. The fundamental design objective in creating ATLAS.ti was to develop a tool that effectively supports the human interpreter, particularly in handling relatively large amounts of research material, notes, and associated theories.

Although ATLAS.ti facilitates many of the activities involved in qualitative data analysis and interpretation (particularly selecting, tagging data, and annotating), its purpose is not to fully automate these processes. Automatic interpretation of text cannot succeed in grasping the complexity, lack of explicitness, or *contextuality* of scientific or everyday knowledge. In fact, ATLAS.ti was designed to be more than a single tool - think of it as a professional workbench that provides a broad selection of effective tools for a variety of problems and tasks.

ATLAS.ti - The Knowledge Workbench

The image of ATLAS.ti as a **knowledge workbench** is more than just a lively analogy. Analytical work involves tangible elements: research material requires piecework, assembly, reworking, complex layouts, and some special tools. A well-stocked workbench provides you with the necessary instruments to thoroughly analyze and evaluate, search and query your data, to capture, visualize and share your findings.

Some Basic Terms

To understand how ATLAS.ti handles data, visualize your entire project as an intelligent **container** that keeps track of all your data. This container is your **ATLAS.ti project**.

The project keeps track of the paths to your source data and stores the codes, code groups, networks, etc. that you develop during your work. Your **source data** files are copied and stored in a repository. The standard option is for ATLAS.ti to manage the documents for you in its internal database. If you work with larger audio or video files, they can be linked to your project to preserve disk space. All files that you assign to the project (except those externally linked) are **copied**, i.e., a duplicate is made for ATLAS.ti's exclusive use. Your original files remain intact and untouched in their original location.

The project lives on your computer, to ensure both data privacy as well as offline availability. Additionally, you can choose to upload your projects to the ATLAS.ti project cloud right from within ATLAS.ti. To share them with colleagues, access them from multiple computers, or simply as a backup. See Project Cloud for details.

Your source data can consist of **text documents** (such as interview or focus group transcripts, reports, observational notes); **images** (photos, screenshots, diagrams),**audio recordings** (interviews, broadcasts, music), **video clips** (audiovisual material), **PDF files** (papers, brochures, reports, articles or book chapters for a literature review), **geo data** (locative data using Open Street Map), and **social network comments**.

Once your various documents are added or linked to an ATLAS.ti project, your real work can begin. Most commonly, early project stages involve **coding** different data sources.

Selecting interesting segments in your data and coding them is the basic activity you engage in when using ATLAS.ti, and it is the basis of everything else you will do. In practical terms, coding refers to the process of assigning **codes** to segments of information that are of interest to your research objectives. We have modeled this function to correspond with the time-honored practice of **marking** (underlining or highlighting) and **annotating** text passages in a book or other documents.

In its central conceptual underpinnings, ATLAS.ti has drawn deliberately from what might be called the **paper and pencil paradigm**. The user interface is designed accordingly, and many of its processes are based on - and thus can be better understood by - this analogy. Because of this highly intuitive design principle, you will quickly come to appreciate the **margin area** as one of your most central and preferred work space - even though ATLAS.ti almost always offers a variety of ways to accomplish any given task.

General Steps when Working with ATLAS.ti

The following sequence of steps is, of course, not mandatory, but describes a common script:

- Create a project, an idea container, meant to enclose your data, all your findings, codes, memos, and structures under a single name. See Creating a New Project.
- Next, add documents, text, graphic, audio and video files, or geo documents to your ATLAS.ti project. See Adding Documents.
- Organize your documents. See Working With Groups.
- Read and select text passages or identify areas in an image or select segments on the timeline of an audio or video file that are of further interest, assign keywords (codes), and write comments and memos that contain your thinking about the data. Build a coding system. See Working With Comments And Memos and Coding Data Basic Concepts.
- Compare data segments based on the codes you have assigned; possibly add more data files to the project. See for example Retrieving Coded Data.
- Query the data based on your research questions utilizing the different tools ATLAS.ti provides. The keywords to look for are: simple retrieval, complex code retrievals using the Query Tool, simple or complex retrievals in combination with variables via the scope button, applying global filters, the Code Co-occurrence Tools (tree explorer and table), the Code Document Table, data export for further statistical analysis. See Data Analysis and Data Export For Further Statistical Analysis.
- Conceptualize your data further by building networks from the codes and other entities you have created. These networks, together with your codes and memos, form the framework for emerging theory. See Working With Networks.
- Finally, compile a written report based on the memos you have written throughout the various phases of your project and the networks you have created. See Working With Comments And Memos and Exporting Networks.

For additional reading about working with ATLAS.ti, see The ATLAS.ti Research Blog and The ATLAS.ti conference proceedings.

Main Steps in Working with ATLAS.ti

Data and Project Management

A first important but often neglected aspect of a project is data and project management. The first step is data preparation. You find more information on supported file formats in the section Supported File Formats.

Apart from analyzing your data, you also manage digital content, and it is important to know how the software does it. For detailed information, see the section on Project Management.

If you work in a team, please read the following section: Team Work.

Two Principal Modes of Working

There are two principal modes of working with ATLAS.ti, the data level and the conceptual level. The data level includes activities like segmentation of data files; coding text, image, audio, and video passages; and writing comments and memos. The conceptual level focuses on querying data and model-building activities such as linking codes in networks, in addition to writing some more comments and memos.

The figure below illustrates the main steps, starting with the creation of a project, adding documents, identifying interesting things in the data and coding them. Memos and comments can be written at any stage of the process, whereas there is possibly a shift from writing comments to more extensive memo writing during the latter stages of the analysis. Once your data is coded, it is ready to be queried using the various analysis tools provided. The insights gained can then be visualized using the ATLAS.ti network function.

Some steps need to be taken in sequence. For instance, logic dictates that you cannot query anything or look for co-occurrences if your data has not yet been coded. But other than that there are no strict rules.



Data Level Work

Data-level activities include Exploring Data using word clouds and word lists, segmenting the data that you have assigned to a project into quotations, adding comments to respective passages note-making/annotating, linking data segments to each other called hyperlinking in ATLAS.ti, and coding data segments and memos to facilitate their later retrieval. The act of comparing noteworthy segments leads to a creative conceptualization phase that involves higher-level interpretive work and theory-building.

ATLAS.ti assists you in all of these tasks and provides a comprehensive overview of your work as well as rapid search, retrieval, and browsing functions.

Within ATLAS.ti, initial ideas often find expression through their assignment to a code or memo, to which similar ideas or text selections also become assigned. ATLAS.ti provides the researcher with a highly effective means for quickly retrieving all data selections and notes relevant to one idea.

Conceptual Level Work

Beyond coding and simple data retrieval, ATLAS.ti allows you to query your data in lots of different ways, combining complex code queries with variables, exploring relationships between codes and to visualize your findings using the network tool.

ATLAS.ti allows you to visually connect selected passages, memos, and codes into diagrams that graphically outline complex relations. This feature virtually transforms your text-based work space into a graphical playground where you can construct concepts and theories based on relationships between codes, data segments, or memos.

This process sometimes uncovers other relations in the data that were not obvious before and still allows you the ability to instantly revert to your notes or primary data selection. - For more detail, see Querying Data and Working With Networks.

Creating a New Project

Video Tutorial: Creating a project and adding data.

If you just started ATLAS.ti,

In the opening window on the left-hand side of the screen click on the button: Create New Project.

CREATING A NEW PROJECT

	Your Projects Sort By Last Used C Social Network Comments 1 Documents, 301 Quotations, 104 Codes Last Used: 08/12/2021 A22 Children & Happiness 29 Documents, 463 Quotations, 64 Codes, 15 Memos Last Used: 08/12/2021 Literature Review Cast Used: 08/12/2021 Literature Review 3 Documents, 306 Quotations, 2 Codes, 2 Memos Last Used: 08/12/2021
+ New Project	
Import Project	

Enter a name for the project and click Create.

If a project is already open,

From the main menu, select **Project > New**. Enter a name for the project and click **Create**.

Supported File Formats

In principle, most textual, graphical, and multimedia formats are supported by ATLAS.ti. For some formats, their suitability depends on the state of your Windows system. Before deciding to use an exotic data format, you should check if this format is available and if it is sufficiently supported by your Windows system.

Textual Documents

The following file formats are supported:

Format	File Type
MS Word	.doc; .docx; .rtf
Open Office	.odt
HyperText Markup Language	.htm; .html
Plain text	.txt
other	.ooxml

Text documents can be edited in ATLAS.ti. This is useful to correct transcription errors, to change formatting, or to add missing information. When adding an empty text document to an ATLAS.ti project, you can also transcribe your data in ATLAS.ti. We however recommend using a dedicated transcription tool or use automated transcriptions. You can add transcripts with timestamps and synchronize them with the original audio or video file. For this you use **Multimedia Transcripts**.

Transcripts

ATLAS.ti supports virtually all transcription apps and services, and also allows you to transcribe within ATLAS.ti, or import transcripts that you wrote yourself. See Transcription for more details.

PDF files (Text and Graphic)

PDF files are perfect if you need the original layout. When PDF was invented, its goal was to preserve the same layout for onscreen display and in print.

If the PDF file has annotations, they are displayed in ATLAS.ti. However, they cannot be edited.

When preparing PDFs, you need to pay attention that you prepare a text PDF file and not a graphic PDF. If you do the latter, then ATLAS.ti treats it as a graphic file, and you cannot search it or retrieve text.

When scanning a text from paper, you need to use character recognition software (OCR, frequently provided with your scanner) in order to create a text PDF file. Another option is to apply character recognition in your PDF reader/writer software.

When you retrieve text from a coded PDF segment the output will be rich text. Thus, you may lose the original layout. This is due to the nature of PDF as mentioned above. It is a layout format and not meant for text processing.

PDF with annotations / Word files with comments

If you have made annotations in Word or PDF files, ATLAS.ti will turn the highlighted area into a quotation. The text of the annotation will be added as a comment to the quotation.

If you added handwritten drawings or comments, those will be imported as image quotations (in ATLAS.ti Windows currently only supported for PDF documents).

- Imported comments from Word will be coded with the code Imported comments.
- Imported comments from PDF documents will be coded with the code Imported annotations.



PDF documents with annotations imported in ATLAS.ti



Word document with comments

Perhaps you first read a transcript in Word and write initial coding ideas as comments in the margin. If you add this transcript to ATLAS.ti, all commented segments will already be marked as quotations.

If you select a quotation, you can read the comment you have written in the inspector on the righthand side. Based on your comments you can begin with your coding work. Go through each quotation, open the coding tool and create new codes, or apply existing ones.

Another option is to prepare an Excel table based on the comments you wrote and import it as your initial code list. See Immporting a codebook.

INT: Yeah, ok. Right so er, so this project is about friendship erm and I want you to think about one of your friends erm and can you tell me how you became friends?

DEB: A particular, just one particular friend?

INT: Yeah for now.

DEB: Er I've met a good friend from university, I've not known her long but I class her now as a friend kind of thing, we're both mums and we both you know we're on the phone all the time and wherever, whenever, like she'll probably come here and meet me now cos I'm here kind of thing and we'll have a cup of coffee together and stuff, and I just met her through starting this degree and just erm, yeah I think we just had a lot in common and we just sort of stuck together when we first started, even though we never knew each other and I'd never seen her in my life before, but it was nice.

INT: So how, how, how did you strike up a friendship together?

DEB: Erm I don't know, I'm the sort, I don't really struggle <u>making</u> friends cos erm everyone tells me I've got a big mouth and I don't stop talking [laughs] so I'm <u>quite</u>, I don't know I'm just chatty so I sort of meet friends that way just by not being quiet and sitting there cos I sort of do chat to people and you sort of get to know people then don't you?

INT: Yeah, yeah so is that how, is that how you met just, just through you striking up a conversation?

DEB: Yeah, yeah, I'm trying to think exactly [laughs] yeah I think that's what it was, we were both in the same research methods class erm I just remember sitting next to her and we just started talking and she was a mum and I was a mum and we just had little things like that but then the more, you know every, every time we came in we swapped phone numbers and we've just got more friendlier, so instead of her just being like a uni friend or someone I've just met in uni I will class her as my friend now, a proper friend.

SF	Sarah Foster	0	•••
	Friend from university		
	Reply		
Sa	arah Foster 🖉		
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	Difference between friend and proper fri May 26, 2022, 16:27	iend	
	Reply		
F	Sarah Foster	Ø	
	Similarities		

P

 \square

In the image below you see, how it looks like when this document is imported in ATLAS.ti:

1 2 3 4 5 6 7 8 9	 INT: Yeah, ok. Right so er, so this project is about frit think about one of your friends erm and can you tell n DEB: A particular, just one particular friend? INT: Yeah for now. DEB: Er I've met a good friend from university. I've not known her long but I class her now as a friend kind of thing, we're both mums and we both you know we're on the phone all the time and wherever, whenever, like she'll probably come here and meet me now cos I'm here kind of thing and we'll have a cup of coffee together and stuff, and I just met her through starting this degree and just erm, yeah I think we just had a lot in common and we just sort of stuck together when we first started, even though we never knew each other and I'd never seen her in my life before, but it was nice. 	Imported comment	In Document Transcript with annotations.rtf () Codings () () Imported comment Status Created: Changed:
10 11 12 13	INT: So how, how, how did you strike up a friendship together? DEB: Erm I don't know, I'm the sort, I don't really struggle making friends cos erm everyone tells me I've got a big mouth and I don't stop talking [laughs] so I'm quite, I don't know I'm just chatty so I sort of meet friends that way just by not being quiet and sitting there cos I sort of do chat to people and you sort of get to know people then don't you?	Imported comment	
14 15 16 17	INT: Yeah, yeah so is that how, is that how you met just, just through you striking up a conversation? DEB: Yeah, yeah, I'm trying to think exactly [laughs] yeah I think that's what it was, we were both in the same research methods class erm I just remember sitting next to her and we just started talking and she was a mum and I was a mum and we just had little things like that, but then the more, you know every, every time we came in we swapped phone numbers and we've just got more friendlier, so instead of her just being like a uni friend or someone I've just met in uni I will class her as my friend now, a proper friend.	Imported comment Imported comment The content of the word comment will be converted into a quotation comment.	Comment Susanne Friese 5/26/2022 4:18:00 PM: Activities: talking on the phone, drinking coffee, visiting

PDF files (eBooks, PowerPoint, Spreadsheets, Visio, Draw)

The following file types will be transformed into PDF files, when adding them to an ATLAS.ti project:

- Ebooks (.mobi)
- Excel (.xls and .xlsx) and Libre Office Calc (.ods) spreadsheets
- Powerpoint (.ppt and .pptx)
- Libre Office Impress (.odp) presentations
- Visio (.vsd and .vsdx) and Libre Office Draw (.odg) documents

Images

Supported graphic file formats are: bmp, gif, jpeg, jpg, png, tif and tiff.

Size recommendation: Digital cameras and scanners often create images with a resolution that significantly exceeds the resolution of your screen. When preparing a graphic file for use with ATLAS.ti, use image-processing software to reduce the size so that the graphics are comfortably displayed on your computer screen. ATLAS.ti does resize the images if they are too big. But this requires additional computer resources and unnecessarily uses space on your computer hard disk.

To resize and image manually, you can use the zoom function via the mouse wheel or the zoom button in ATLAS.ti.

Audio- and Video Documents

Supported audio file formats are: aac, m4a, mp3, mp4.

Supported video file formats are: avi, m4v, mov, mp4.

For audio files, our recommendation is to use *.mp3 files with AAC audio, and for video files *.mp4 file with AAC audio and H.264 video. These can be played both in the Windows and in the Mac version.

As video files can be quite sizable, we recommend linking video files to an ATLAS.ti projects rather than to import them. See Adding Documents for further information.

Geo Documents

When you want to work with Geo data, you only need to add a new Geo Document to your ATLAS.ti project. This opens Apple Maps.

To navigate to a specific region or location on the map, enter an address or location name in the search field. For more information, see Working With Geo Docs.

Social Network Comments

ATLAS.ti imports Excel files generated by exportcomments.com. You can use the service for free to export up to 100 comments per link. For a small fee, you can use the service for three days to download the data you need. This also allows you to export nested comments.

Supported social networks are:

- Facebook
- Twitter
- Instagram
- YouTube
- TikTok
- VK
- Twitch
- Discord

For further information see Importing Social Network Data.

Survey Data

The survey import option allows you to import data via an Excel spreadsheet (.xls or .xlsx files). Its main purpose is to support the analysis of open-ended questions. However, this option can also be used for other case-based data that can easily be prepared in form of an Excel table.

In addition to the answers to open-ended questions, data attributes (variables) can also be imported. These will be turned into document groups in ATLAS.ti. For more information, see Working With Survey Data.

Reference Manager Data

In order to support doing a Literature Review with ATLAS.ti, you can import articles from reference managers. The requirement is that you are using a reference manager that can export data as Endnote XML file like Endnote, Mendeley, Zotero, or Reference Manager.

If your reference manager cannot export data in Endnote xml format, you can export data in RIS or BIB format and use the free version of Mendeley or Zotero to produce the xml output for ATLAS.ti.

See Working With Reference Manager Data.

Adding Documents

Video Tutorial: Creating a project and adding data.

What happens when you add documents to a project

All documents that you **add** to a project are copied, and the copies become internal ATLAS.ti files. This means, strictly speaking, that ATLAS.ti no longer needs the original files. However, we strongly recommend that you keep a backup copy of your original source files.

As audio and video files can be quite sizable, you have the option to create an external reference to the files. This means the multimedia documents remain at their original location and are accessed from there. Preferably, these files should not be moved to a different location. If the files need to be moved, you need to re-link the files to your project. ATLAS.ti will alert you, if there is an issue, and a file can no longer be accessed.

Important for team projects

When you work in a team and want to work on the same documents, it is important that one person is setting up the project and adds all documents and codes that should be shared. The reason for this is that all **all entities are stamped with a unique ID when they are created.** This ID allows ATLAS.ti to detect if entities are the same when merging projects.

If the same documents (or codes) are added on different computers to different projects, then they all have different IDs. Rather than being merged when you merge all projects, they are added. Thus, the merged project contains duplicates. You can merge duplicated codes yourself, but you cannot merge duplicated documents! If this happens, you need to manually transfer all coding that has been done from the duplicated documents. See Team Work for further information.

How to Add Documents

From the main menu, select **Document > Add Documents.** Another option is to open the drop-down menu of the document button in the toolbar, or you can just drag files from Finder onto the left sidebar in ATLAS.ti.

If you want to link a video file, select the option Reference External Multimedia Documents. For further information see Adding Multimedia Data.

If you want to write your own text, e.g. in order to transcribe data, select the option New Text Document.

You can of course also import iranscripts; see Importing Transcripts. Or prepare your own transcripts.

Document Quotation Code Memo Network	
Add Documents ☆ ೫ Reference External Multimedia Documents New Text Document New Geo Document	 Document Manager Document Group Manager Add Documents New Text Document Reference External Multimedia Documents

All added or linked documents are numbered consecutively starting with 1, 2, 3 and so on.

The default sort order is by name in alphabetical order. The document order cannot be changed in the Mac version.

Size Restrictions

Theoretically, size restrictions do not play a major role due to the way ATLAS.ti handles documents. However, you should bear in mind that your computer's processing speed and storage capacity may affect the performance.

Excessively large documents can be uncomfortable to work with, even when you have an excellently equipped computer.

For textual documents, the number and size of embedded objects may cause extraordinarily long load times. There is a high likelihood that if a textual document loads slowly in ATLAS.ti, it would also load slowly in Word or WordPad.

For very long texts or multimedia files, scrolling to exact positions can be cumbersome.

Please keep those issues in mind when preparing your files.

A Word about "Big Data"

Please keep in mind that the focus of ATLAS.ti is to support qualitative data analysis and to a lesser extent the analysis of qualitative data.

Big data is a buzz word nowadays, and a lot of big data often comes as text or images, hence could be considered qualitative. ATLAS.ti, however, is not suited for true big data analysis, which is not the same as qualitative data analysis.

As point of orientation, coding can be supported using the auto coding feature. However, you still need to read and correct the coding, and most coding in ATLAS.ti is done while the researcher reads the data and creates or selects and applies a code that fits.

A project is too large if you have so much data that you need to rely on a machine to do all the coding for you, and you cannot read what has been coded yourself. While we are adding natural language processing tools to ATLAS.ti as well as continuously improving performance for large projects, these tools are designed to help you as a researcher, not replace the human. While it may sometimes seem otherwise, computers still can't think.

Importing an Existing Project

How to Import Projects

If you just started ATLAS.ti,

Select the Import Project option on the right-hand side of the opening screen.

If ATLAS.ti is already open,

Double-click on a project bundle file on your computer. This will open ATLAS.ti if it is not already open, and you can import the project.

OR:

Select **Project > Import Project.** Rename the project if appropriate.

Options

• You have the option to rename the project before importing. This is useful for team project work and if you do not want to overwrite an existing version.

A22 Children	
& Happiness	
incl. survey	
and video	
Project Imported	
Project Name: A22 Children & Happiness incl. survey and video	
Finish Import	
 Data from the internet (a blog, comments on the blog, comments on a newspaper article) Summary of research findings regarding the issue of happiness two images inviting to reflect on the concept of happiness 	

If the project contains Linked Media Files

If the project contains linked media files, and the files have not been included in the bundle, you can relink them. This requires that you have a copy of the file on your computer, or a file that is accessible on an external drive or server.

Project File Formats

You can import projects exported by ATLAS.ti 8 or newer. Projects can be moved seamlessly between Windows and Mac without any loss.

Additionally, projects created with ATLAS.ti Web can be imported, as well as projects created with ATLAS.ti Mobile on iPad or Android.

ATLAS.ti is a proud supporter of the vendor-independent REFI QDPX standard, and can import projects written in this format, regardless of which application it was created with.
Project Cloud

Projects in ATLAS.ti live primarily on your computer, to ensure both data privacy as well as offline availability. In addition, you can choose to upload your projects to the ATLAS.ti project cloud right from within ATLAS.ti. To share them with colleagues, access them from multiple computers, or simply as a backup.

Please note that this feature is still in beta. This means there will be changes over the coming weeks and months, and not everything may work quite as smoothly as usual. If you have any feedback, please don't hesitate to use the built-in feedback form (accessible when you have a project open).



Every project you create starts on your computer. To upload it to the cloud, click the three buttons to the right of its name in the project list, and choose "Upload". You will be asked for confirmation.

ATLAS.ti will always ask for confirmation before first uploading a project to the cloud. If and when you choose to upload, your projects will be stored end-to-end encrypted on our European servers. To learn more about privacy, please see our privacy policy. And if your privacy requirements are such that you cannot use our cloud – don't worry. *Your project will stay safely on your computer until you decide otherwise*.

An ATLAS.ti project can be in one of the following states:

• On this computer: The project is not present in the ATLAS.ti cloud

- In the cloud: The project is in the cloud, but is not present on this computer. The project must be downloaded in order to work on it.
- Both on this computer and in the cloud: Projects that exist both in the cloud and on this computer will show one of the following states.
 - Both versions are in-sync.
 - The version on this computer is newer. After you've made changes to a project, it will be in this state. Simply click the three dots and choose "upload" to push your changes to the cloud.
 - The version in the cloud is newer. This means you have worked on this project from another computer. You will have to download the latest version before proceeding.
 Please note that the ATLAS.ti project cloud is not intended for simultaneous work on the same project from two computers. Always ensure you are done on one computer before continuing your work on another one.
- Project exists only on this computer
- Project exists only in the cloud
- Project is in the cloud and on this computer, both versions are identical
- Project is in the cloud and on this computer, the version on this computer is newer
- Project is in the cloud and on this computer, the version on this computer is out of date

Your project cloud storage is tied to the same ATLAS.ti account used for licensing purposes or login to ATLAS.ti Web.

During the beta period, every user gets 100 MB of free cloud storage space. This is enough for multiple projects containing hundreds of text documents each. Please be aware that other document types, especially video, may use up a lot of space. You can free up space by removing projects from the cloud or deleting large documents from a project that you have in the cloud.

How to use

In the list of projects, click on the three dots to the right of the project name to see a list of things you can do. In addition to expected options like open, rename, and so on, there will be cloud-specific commands, depending on project state.

You can upload a project that is not in the cloud, or where the version on your computer is newer. This will put the latest version of the project into the ATLAS.ti cloud.

For a project that's in the cloud, but either not present or outdated on your computer, you can download the project to have the newest version to work on available locally on your computer.

ATLAS.ti will always open the local version of a project. If you have worked on a project from another computer, ensure that you upload it there after saving. Before working on a project, ensure that you have the latest version available locally.

You can also choose to remove a project from the cloud, which will keep the local copy on your computer, or delete the project from your computer, in which case a copy will still be available in the cloud. To fully delete a project both from your computer and the cloud, use both options successively.

Sharing Projects

To share a project with colleagues, click the three dots, then choose "Invite Member...". Enter the email address of the ATLAS.ti account of the person you want to share the project with. ATLAS.ti will generate an invitation link. Copy this link, and send it to your colleague. Note that the link is personalized, and can only be redeemed by the person it was generated for.

Sharing a link to your project will create a copy of the project. That copy will be completely independent of your project, and will be private to the person you sent it to. Thus, the invitee can make any changes they desire without having to worry about interfering with your work (and vice versa). When it is time for your colleague to pass their work back to you, they can invite you to their project, which will generate a copy for you. Once you have accepted their invitation, you can view (and work on) the work they've done, and if you wish, you can merge it into your project. This way, you have maximum flexibility: When grading students' work, you probably want to see all their work in isolation, whereas on a real team project, you may want to merge colleagues' work after reviewing it.

See Team Work for details on how working in a team works with ATLAS.ti, regardless of whether you're using the ATLAS.ti cloud to share your projects or use classical project export/import functionality.

Current limitations

Being a beta feature, some limitations are to be expected. Not every interaction is as polished yet as we'd usually like, but there is also some missing functionality, and there may be bugs. This is a great time to give us some feedback, be it criticism, praise, or wishes.

Please note that in its current form, sharing projects does not mean you will be working on the same project instance together with a colleague, like you may be used to from ATLAS.ti Web. Sharing a project will create an independent copy of the project for your colleague. There is also not much in the way of team project management yet. If you have any specific workflows you would like to see more explicit support for, please let us know.

While projects in the ATLAS.ti project cloud can be worked on without any restrictions regardless of whether you're using a Windows PC or a Mac, these projects are currently not accessible from ATLAS.ti Web. Your ATLAS.ti desktop apps also will not show you your ATLAS.ti web projects.

Creating a Project Backup

ATLAS.ti projects cannot be opened by older versions of ATLAS.ti.

Please export your projects on a regular basis and store the bundle files in a safe location. In case something happens to your computer, you still have a copy of your project to fall back on!

To create a backup of your project, you need to **export** it and save it as project bundle file on your computer, an external drive, a server or cloud location.

The ATLAS.ti Project Cloud can also serve as a useful backup. Don't forget to upload any changes you've made to your projects.

A **project bundle file** serves as external backup of your project independent of the ATLAS.ti installation on your computer.

- The project bundle file contains all documents that you have added or linked to a project, and the project file that contains all of your coding, the codes, all memos, comments, networks and links. Large audio or video files can be excluded from the bundle.
- Project bundle files are also used to transfer projects between computers. They can be read by both ATLAS.ti Mac and Windows. See Project Transfer.
- If your project contains linked documents, they can be excluded when creating a project bundle file. See "Creating Partial Bundles" below.

Exporting a Project

To export your project to either save it as backup or to use it for transferring it to a different computer:



If your project does not contain multimedia files, the **Save File Dialog** opens. If it does contain multimedia files, see **Exporting partial bundle files**.

Select a location for storing the project bundle file.

The default name for the bundle will be the project name. You can rename the project bundle file at this stage, which however does not change the name of the project that is contained within the bundle.

Select a name and location where you want to store the project and select **Save**.

Think of the project bundle file like a bag that contains your project. Putting a different label on the outside of the bag does not change anything that is inside, which is your project with all your coded segments, comments, memos, networks, etc. and all documents that have been added to it. When you import the project bundle, the project name after import will still be the original name. If you want to rename the project file, you need to do this either during the process of importing the project, or on the opening screen. See Project Management.



Exporting a Project in XML Format

You can export an ATLAS.ti for Mac project in XML format. This opens up numerous possibilities for external use as a non-proprietary format, e.g. to archive data. The qualitative data archive in Essex (today UK Data Service), originally used the ATLAS.ti XML format as blueprint for their standard. Another use case is to import data into other applications.

From the main menu, select Project > Export > XML.

Working With Groups

Groups in ATLAS.ti help you to sort, organize and filter the various entities. Groups are available for documents, codes, memos, and networks.

Common to all groups are:

- An entity can be sorted into multiple groups. For example if you sort a document into the group *gender::female*, it can also be sorted into other groups like *location::urban*, or *family status::single*.
- If you click on a group in a manager, you activate a filter (see below). Then only the items that are in the selected groups are displayed.
- You can combine groups using Boolean operators. See for example Exploring Coded Data.
- You can save a combination of groups for further re-use in form of a smart group.
- You can set groups as global filter.

There are no groups for quotations, as codes already fulfil this function. Codes group quotations that have a similar meaning. Therefore instead of groups, you see the codes in the side panel of the Quotation Manager.

• comments by readers 2 # ^ Name Type Quotations Groups Comment images 2 1 1_Powdthavee:_Think children will make PDF 30 research findings Powdth research findings 2 5 5 5_Happiness Research: main findings Text 16 research findings This of a Group(s) Result: 2 of 7 Document(s) Result: 2 of 7 Document(s) 1 1_Powdthavee:_Think children will Images 1	r	- / 1100	grap recontrainings	1		1		- 0	boounion oroup		
images 2 images 1 1 1 Powdthavee:_Think children will make PDF 30 research findings Powdthavee:_Think children will research findings 2 images 2 images 5 5 Happiness Research: main findings Text 16 research findings This do 3 Group(s) Result: 2 of 7 Document(s) Result: 2 of 7 Document(s) images 5 5 Happiness Research: main findings Text images 1 1 Powdthavee:_Think children will 3 Group(s) Result: 2 of 7 Document(s) images <t< th=""><th>*comments by readers 2</th><th># ^</th><th>Name</th><th>Туре</th><th>Quotations</th><th>Groups</th><th></th><th>Commen</th><th>research find</th><th>lings</th><th></th></t<>	*comments by readers 2	# ^	Name	Туре	Quotations	Groups		Commen	research find	lings	
research findings 2 2 5 5 Happiness Research: main findings Text 16 research findings This doe 3 Group(s) Result: 2 of 7 Document(s) Image: 1 1_Powdthavee:_Think children will Image: 5 5 Lappiness Research: main findings 3 Group(s) Image: 1 1_Powdthavee:_Think children will Image: 5 5 Lappiness Research: main find 1 Image: 1 1_Powdthavee:_Think children will Image: 5 5 Lappiness Research: main find 1 Image: 1 1_Powdthavee:_Think children will Image: 5 5 Lappiness Research: main find 1 Image: 1 1_Powdthavee:_Think children will Image: 5 5 Lappiness Research: main find 1 Image: 1 1_Powdthavee:_Think children will Image: 1 1_Powdthavee:_Think children will Image: 5 1 Lappiness Research: main find 1 Image: 1 1_Powdthavee:_Think children will Image: 1 1_Powdthavee:_Think children will Image: 5 1 Lappiness Research: main find 1 Image: 1 1_Powdthavee:_Think children will Image: 1 1_Powdthavee:_Think children will Image: 5 1 Lappiness Research: main find 1 Image: 1 1_Powdthavee:_Thi	images 2	1	1_Powdthavee:_Think children will make	PDF	30	research	findings	Powdtha	Members		
S Group(s) Result 2 of 7 Document(s) Interest and the second seco	research findings 2	5	5_Happiness Research: main findings	Text	16	research	findings	This doo	1 1 Rowdi	thavee: Think childre	n will
Preview		Result: 2	of / Document(s)						■ 5 5 Happi	iness Research: mair	n find
Preview									Status Created: Changed:	May 22, 2020 info May 22, 2020 info	
			No	document selecte	vel				Clic	k to add comment	

Application of Document Groups

Video Tutorial: Organizing documents and document groups.

Often data come from different sources, locations, respondents with various demographic backgrounds etc. To facilitate the handling of the different types of data, they can be organized into document groups.

You can also use document groups for administrative purposes in team projects if different coders should code different documents. You can then create a group containing all documents for coder 1, another group containing the documents for coder 2 and so on.

Video Tutorial: Organizing project data - Creating document groups

Another application is the use of document groups for analytic comparisons in the Code Document Table.

Document groups can also be added to Networks and you can show which codes have been applied to which group.

Application of Code Groups

Code groups can be used to sort and organize codes in the Code Manager. Code groups facilitate the navigation of codes in the Code Manager as local filter. See below.

Code groups can be used as global filters in analysis.

Code groups can also be used in the Code Document Table for case comparisons.

Users often mistake code groups as a kind of higher order code, which they are not. They do however can be quite useful in building a coding system.

Application of Memo Groups

Memo groups come in handy if you have written lots of memos. You could for example group memos by function: methodological notes, team memos, research diaries, analysis.

If you have multiple memos that contain answers to one research question, you can group all those memos.

If you have multiple memos that contain input for a particular section in the research report, you may want to create a memo group for those.

You find more information on working with memos here: Memos and Comments.

Groups as Filters

Groups are listed in the side panels of the document, code, memo and network manager.

Click on one or more groups to filter the list of items. If you want to select multiple groups hold down the Cmd key.

Once you have set one or more groups as filter, a yellow bar appears above the entity list indicated that a) a filter has been set, and b) which one.

To reset the filter to see all entities again, click the minus (-) on the top righthand side of the yellow bar.

It is also possible to run simple AND and OR queries:

As soon as you select more than one group, you see the word **any** in blue in the filter bar. This means the default operation is to combine the items of the selected groups with OR.

If you want to filter by the intersection of two or more groups, click on the word "any" and change it to all. This is the Boolean AND operator.

An example would be to filter by all female respondents who live in an urban region. This requires that you have grouped the documents by these two criteria:

- gender::female
- region::urban

The filter would then show the following text: Show documents in **all** of the groups: gender::female, region::urban.

The same options are available for all entity types.

Working with Quotations

Video Tutorial: Working with quotations.

Christina Silver, expert in Computer Assisted Qualitative Data Analysis Software, explains the ATLAS.ti quotation level as follows:

"When you create a quotation, you're marking a segment of data that can later be retrieved and reviewed. You might know, right at that point how and why it's interesting or meaningful, in which case you can immediately capture that – by re-naming it, commenting on it, coding it, linking it to e.g. another quotation, or a memo. If you don't yet know, you can just create the quotation, and come back and think about it later, perhaps when you have a better overview of the data set in its entirety and are ready to conceptualise meaning in relation to your research objectives."

"One of my favourite things about ATLAS.ti is that quotations can be visualised and worked with in a graphical window, i.e., the ATLAS.ti networks. The content of quotations can be seen within the network, and quotations can be linked, commented upon, and coded in that visual space. This is very useful if you like to work visually or are used to analysing qualitative data manually with highlighters, white-boards, post-it notes etc. Networks can also be used as visual interrogation spaces – for example to review quotations which have more than one code attached, which is very powerful. Everything you do in the network is connected throughout the ATLAS.ti project."

The ATLAS.ti Quotation Level

The ATLAS.ti quotation level gives an extra layer of analysis. In ATLAS.ti you are not required to immediately code your data as in most other QDA software. You can first go through your data and set quotations, summarize the quotations in the quotation name and write an interpretation in the comment field. This is useful for many interpretive analysis approach for the process of developing concepts. Once you have ideas for concepts you can begin to code your idea. This also prevents you from falling into the coding trap, i.e. generating too many codes. Codes that can be applied to only one or two segments in your data are not very useful. Code names should be sufficiently abstract so that you can apply them to more than just a few quotations.

You will also see later in the analysis process that you find that none of the further analysis tools like the Code Document Table or the Code Co-occurrence Table seem to be very useful.

If you find yourself generating 1000 or more codes, take a look what you can do with quotations instead. Based on that develop codes on a more abstract level allowing you to build a well-rounded code system.

Creating Quotations in Text Documents

When you code data, quotations are created automatically. See Coding Data.You can however also create quotations without coding. To do so:

Highlight a section in your text, right click and select the option **Create Quotation**. Alternatively, you can also use the shortcut **cmd+H**.

66	•			
67	STU:	Er I'll use one that's probably my er best frien	d I suppose, I was er, I was wo	rking as a fitness instructor for the
		council and he was a, he was a customer, he us	• • • •	just er, this is about, this is about
		twelve years ago, and then er we just got to kno	Create Quotation #H	ke a few of the staff nights out and
		then er we're still friend now and that although	Apply Codes #J	at ill and you know you know but
		then er we te still intend how and that, although	Add Last Used Codes #L	st in and you know, you know, out
		we just stayed friends, so we're still really good	Code In Vivo 쇼울V	in now and I still live in Liverpool,
		we always talk to each other on the phone and s	Delete Quotation	ce a month for a night out or
68 69	INT:	Ok, and does he tend to go over to or do you ter	Сору	· ·
70			Show All Quotations	
71	STU:	Er if we go for a night out he tends to come ove	Hide Line Numbers	cause he lives like in the middle of
		nowhere we tend to go over and it'll be like ho	Hide Margin	y over there, but if we're having a
		night out he'll come over here cos he prefers lik	ke Liverpool cos it's where we al	ways used to go out when we were
		<i>J J</i>		

Once a quotation is created, you see a blue bar in the margin area and an entry in the Quotation Manager and the Document tree in the Project Explorer.

Modifying Quotation Boundaries

Modifying the length of a quotation is easy.

If you select a quotation, e.g. by clicking on the bar in the margin area, you see a blue line with a dot at the beginning and at the end of the quotation. Move the start or end position to a different location depending on whether you want to shorten or lengthen the quotation. This applies to all media types.

	to think about one of your friends erm and can you tell me how you	
	to timik about the of your menus erm and can you ten me now you	
	became friend: with this person.	
TU:	Er I'll use one that's probably my er best friend I suppose, I was er, I	6:1 n
	was working as a fitness instructor for the council and he was a, he	ame y
	was a customer, he used to come in like every day, so we just er, this	
	is about, this is about twelve years ago, and then er we just got to	uota
	know each other and like he came on like a few of the staff nights	rio n
	out and then er we're still friend now and that, although I'm not a	
	fitness instructor cos I got ill and you know, you know, but we just	
	stayed friends, so we're still really good friends, although he lives in	
	Runcorn now and I still live in Liverpool, we always talk to each	
	other on the phone and see each other like once a month, twice a	
	month for a night out or	
7	ΓU:	 Er I'll use one that's probably my er best friend I suppose, I was er, I was working as a fitness instructor for the council and he was a, he was a customer, he used to come in like every day, so we just er, this is about, this is about twelve years ago, and then er we just got to know each other and like he came on like a few of the staff nights out and then er we're still friend now and that, although I'm not a fitness instructor cos I got ill and you know, you know, but we just stayed friends, so we're still really good friends, although he lives in Runcorn now and I still live in Liverpool, we always talk to each other on the phone and see each other like once a month, twice a month for a night out or

Quotation ID and Reference

Each quotation has an ID, which consists of two numbers:

	•	•		Quotation Ma	inager				+ ~	Ŵ	No Grouping	\$	^	(
			-	My first project i	(step 3- creating quotations)	_			New	Delete	Grouping		Export	Filter
ſ	#		^	Reference	Name	Text Cor	Conter	nt			Document		C	odes
E	2:	14		¶ 10		but the	he fac	t is that our relationships with	our frien	ds and	article: Summary of	researcl	h findin	
e	2:	15		¶ 10		choose	se a lo	ocation where you'll be making	about th	ne sam	article: Summary of	researcl	h findin	
	6:	1		¶ 67–71		STU:		Er I'll use one that's probably n	ny er bes	st frien	int: m_17_rural_TRE\	'OR		
1	Resu	lt: 3	ot i	3 Quotation(s)										

The ID 2:15 for example means that the quotation comes from document 2, and it is the 15th quotation that was created in this document. It is located in the 10th paragraph. Quotation 6:1 comes from document 6; it is the first quotation created in document 6 and can be found in paragraph 67-71.

Quotations are numbered in chronological and not in sequential order. If you want to change this order, see Working with Quotations.

Adding Quotation Names and Writing Comments

Being able to name each quotation has a number of useful applications.

- It allows you to quickly glance through your quotations in list view.
- You can use the name field to paraphrase a quotation as required by some content analysis approaches, or to write a short summary.
- You can use the name field for fine-grained coding (line-by-line Grounded Theory coding; initial coding in Constructive Grounded Theory, or as required by other interpretative approaches) instead of applying codes. If you already apply codes during this phase, you will

end up with too many codes that are useless for further analysis. See Building a Code System.

• Adding titles to multimedia quotations. See Working with Multimedia Data.

	,	(otop of oreating quotations)	New Delete Grouping Export Filter Search Sidebars Pin
#	Reference	Name	Text Content Quotation 2:4
2:1	¶ 1	What does happiness mean?	So happiness - isn't that the thing that all of us str is a matter of attitude Quotation Name
2:2	¶ 1	fleeting nature of happiness	Nobody is happy all of the time, but some people a
2:3	¶ 1	Happiness unrelated to material well	Studies on what makes people happy reveal that it article: Summary of research findings on happiness
2:4	¶ 3	is a matter of attitude	but it's also largely influenced by how you think.[1] $_{(i)}$
2:5	¶ 3	happiness of lottery winners	In the 1970s, researchers followed people who'd w
2:6	¶ 3	hedonic adaptation	They called it hedonic adaptation, which suggests
2:7	¶ 3	Baseline happiness due to genetics	Some people have a higher baseline happiness leve 🛇 Ways to achieve happiness
2:8	¶ 5	choice experiment	In one study, two groups of people were asked to p
2:9	¶ 5	make in-tuitive decisions	So next time you have a decision to make, and you
2:10	¶ 8	Push yourself beyond the comfort zo	Your comfort may increase with your salary, but co Add a summary or an interpretatio
2:11	¶7	Happiness increases up to meeting a	food, shelter, and clothing. In the US, that magic of what is said in the selected text
2:12	¶7	level of optimism important	but by your level of optimism.[3] passage.
2:13	¶ 10	increasing salaries does not make ha	We live in a mobile society, where people follow jot
2:14	¶ 10		but the fact is that our relationships with our friend Quotation Comment
2:15	¶ 10		choose a location where you'll be making about the
6:1	¶ 67–71		STU: Er I'll use one that's probably my er bes
Result: 16	of 16 Quotation(s	;)	

To add a name to a quotation, select it and left-click the name field, or add a text to the name field in the inspector on the right-hand side. You can write further information about the quotation like a summary or interpretation in the comment field that you also find in the inspector.

If you select a quotation in the Quotation Manager, you see a preview of the quotation in the panel below the quotation list. This applies to all data file formats.

	¶ 10	increasing salaries does not make ha	We live	in a mobile society, where people follow jobs aro	article: Summary of research findin	What is
2:14	¶ 10		but the	fact is that our relationships with our friends and	article: Summary of research findin	
2:15	¶ 10		choose	a location where you'll be making about the sam	article: Summary of research findin	e.
6:1	¶ 67–71	name your quotation	STU:	Er I'll use one that's probably my er best frien	int: m_17_rural_TREVOR	
Result: 16	of 16 Quotation(s)				
Preview						
re was a, i er we just friends, all like once a INT: Ok, ar STU: E nowhere w come over	got to know eac got to know eac though he lives i a month, twice a and does he tend ir if we go for a r ve tend to go ove here cos he pre	Her, he used to come in fike every day, h other and like he came on like a few instructor cos I got ill and you know, yo n Runcorn now and I still live in Liverpor month for a night out or to go over to or do you tend to go to hight out he tends to come over here a er and it'll be like house party or a bark fers like Liverpool cos it's where we al	of the st ou know, ool, we a Runcorn nd he'll s beque sc ways us	aff nights out and then er we're still friend n but we just stayed friends, so we're still real lways talk to each other on the phone and so ? stay in mine, but because he lives like in the owe'll stay over there, but if we're having a n ed to go out when we were younger anyway.	agy, and then ly good se each other middle of ight out he'll	
		Quotation P	revie	W		

Coding Data - Basic Concepts

"Coding means that we attach labels to 'segments of data' that depict what each segment is about. Through coding, we raise analytic questions about our data from [...]. Coding distills data, sorts them, and gives us an analytic handle for making comparisons with other segments of data" (Charmaz, 2014:4).

"Coding is the strategy that moves data from diffuse and messy text to organized ideas about what is going on" (Richards and Morse, 2013:167).

"Coding is a core function in ATLAS.ti that lets you "tell" the software where the interesting things are in your data. ... the main goal of categorizing your data is to tag things to define or organize them. In the process of categorization, we compare data segments and look for similarities. All similar elements can be grouped under the same name. By naming something, we conceptualize and frame it at the same time" (Friese, 2019).

Independent Code / Category Code / Subcode

With ATLAS.ti 22, we introduced new ways to organize your codes in the code system. If you do not have the need to organize your code into a hierarchy of higher and lower order codes, you can work with *independent codes*. If you want to create a hierarchy of codes, you can make use of category codes and subcodes. If some codes do not fit in any category, they can just remain independent codes.

An additional way to organize your codes are folders. You can add independent codes and categories with their subcodes to folders. Folders can also contain other folders.



Below each of these types are explained in more detail:

Independent code: If you start coding your data, and you begin with creating some new codes, those will be independent first level codes. They remain independent codes until you add them to a

category as subcode. The groundedness of an independent code is the number of quotations coded by it.

Free code: A free code is also an independent code, but one that has not (yet) been used for coding. Its groundedness is zero and it has no subcodes.

Category Code: A code becomes a category, when you drag & drop codes underneath it. These can be independent codes or subcodes that you move from a different category. The category itself does not code quotations. Therefore, you can only insert other codes as subcodes underneath if the code is not linked to quotations.

The reason for this is that via the category code you can retrieve all quotations from all sub codes. So, if you want an aggregated view of your data, just select the category. If you could apply the category code and its subcodes to the same quotations, you would get duplicated quotations. This is prevented by not allowing the category code to be used for coding.

The groundedness of a category code is the number of quotations coded by all of its subcodes. Since you can apply several codes to the same quotation, the total for a category can differ from simply adding up quotations for all subcodes. Both sums are only equal, if you use subcodes in a mutual exclusive manner, as for example required for inter-code agreement analysis

For all previous ATLAS.ti users, because the category code can retrieve all quotations from its subcodes, the semantic operators SUB, UP and SIBLING are no longer needed and have been removed from the query tool.

Subcode: A subcode is a code that is sorted under a category code. No further subcodes can be created under subcodes. The reason for this is methodical rather than technical. Each code should only appear once in a code system. See: How to build a code system. If you use a deeper hierarchy, you will likely start duplicating and even multiplying codes at the lower levels. Not only does this make your code system long and difficult to maintain, it also prevents you from performing effective comparative analysis.

Folder: Folders help you organize your codes. You can move independent codes and categories with their subcodes into folders. A folder can also contain folders, as many as you want. Folders cannot be used to code data.

The number behind a folder, is the number of quotations coded by independent codes or sub codes that are contained within the folder. As you can apply multiple codes to the same quotation (i.e., multi-value coding), the total can be different from adding up all the numbers for all independent and all subcodes.

How Groundedness is Counted

Codes	())
\checkmark \bigcirc \bigcirc Experience of parenthood	139
> 🔸 🔷 negative effects	42
> 🗢 🔷 parenthood	62
🗸 🔵 🛟 positive effects	41
🔵 🔷 fullfillment	6
improved relationships	• 7
🔵 🔷 life is richer	6
🔵 🔷 personal growth	1 0
positive emotions	— 15

Independent Code: The groundedness of an independent code is the number of quotations coded by it.

Category Code: The groundedness of a category code is the number of quotations coded by all of its subcodes. Since you can apply several codes to the same quotation, the total for a category can differ from simply adding up quotations for all subcode. Both sums are only equal, if you use subcodes in a mutual exclusive manner, as for example required for inter-code agreement analysis

The image above shows the category *positive effects*. Adding up the quotations coded by all subcodes, the sum is 44. The groundedness for the category however is 41. This means there are 3 quotations that are coded with more than one of the subcodes. This is illustrated in the image below:



Subcode: The groundedness of a subcode is the number of quotations coded by it. For example, the subcode *life is richer* is coding 6 quotations.

Folder: The groundedness of a folder is the number of quotations coded by independent codes or subcodes that are contained within the folder. As you can apply multiple codes to the same quotation (i.e., multi-value coding), the total can be different from adding up all the numbers for all independent and all sub codes or categories. In the above example the folder *Experience of Parenthood* has a groundedness of 139 quotations. This is lower than the sum for the three categories contained in the folder (42 + 62 + 41 = 145). Again, this means that some quotations are coded by more than one of the codes in the folder. Counted are only unique quotations and not the number of codings.

How Density is Counted

The **code density** is unrelated to the code hierarchy and the number of codings. Density is defined as the number of linkages between two codes. You can link two codes to each other via drag-and-drop, or as recommended, in a network. See the chapter on **networks** for further information.

Creating and Applying Codes

Video Tutorial: How to code data.

Creating New Codes without Coding

You can create codes that have not (yet) been used for coding. Such codes are called "free" codes. See Coding Data - Basic Concepts. This can for example be useful when ideas for codes come to mind during normal coding work and that cannot be applied to the current segment but will be useful later. If you already have a list of codes, possibly including code descriptions and groupings elsewhere, you can use the option: Importing A List Of Codes.

From the main menu, select Code / New Code. The short-cut key combination is Cmd+K.

Code	Memo	Network	Analysis
New Co	de		жκ
New Fo	lder		
New Sn	nart Code	·	
Focus (Group Coo	ding	
Show C	ode Man	ager	ж3
Show C	ode Grou	ıp Manager	☆ ₩3
Show L	ink Manag	ger	ж7
Show R	elation M	anager	
Import			>
Export			>
Genera	te Report	s	>

You can also create new codes in the Code Manager by clicking on the + button.

Coding with a New Code

Open a document and highlight a data segment, i.e., a piece of text, audio or video data, an area in a graphic document, or a location in a geo document.

Right-click and select **Apply Codes**, or use the short-cut **Cmd+J**, or click on the 'Apply Codes' button in the toolbar.

	forced me to grow up. All of a sud and a lot more responsible, which self-centeredness and irresponsibi	Create Quotation Apply Codes	ж J	
6	I'm a better person for becoming	Add Last Used Codes Code In Vivo	쁐L 순쁐V	
7	If anything, I think what this may everything I have a 4-year-old da	Delete Quotation Copy		
	probably made me less "happy" – conflict with my wife, more finan fun but have to deferred to the fut daughter and wouldn't change thi	Show All Quotations Hide Paragraph Numbers Hide Margin		
	sometimes means less day to day "	fun" or "enjoyment." Somet	imes,	
	Enter a name and click on the plus bu created, you can enter a definition in	utton or press enter. After the comment field.	the code i	

Documents Quotations Codes	🕖 😳 Selection in 🖹 1 3	Parenting blog_rea
bootaniento educations oodes	All Codes	Applied Codes
	experiencing parent	hood +
am happy now. However, the first was only 25 and becoming a mom Iden I had to become a lot less selfish is not easy in a culture that glorifies lity. a mom, even if I'm not any happier.		
	Code Comment	
be shows is that happiness isn't ughter, and having a child has – there are more opportunities for cial stress, more activities that would ure. On the other hand, I love my	Click to ad	d comment
ngs for anything, even if having her		

You can continue to add more codes, or simply continue to select another data segment. The dialogue closes automatically.

for more information on working with data other than text, see Working With Multimedia Data and Working With Geo Docs.

Code In-Vivo

Use in-vivo coding when the text itself contains a useful and meaningful name for a code.

In-Vivo coding can only be applied to textual primary documents.

In-vivo coding creates a quotation from the selected text AND uses the selected text as the code name. If the selected text's boundaries are not exactly what you want for the quotation, modifying the quotation's "spread" is often the next step after creating the in-vivo code. See Working with Codes > Modifying the length of a coded segment.

Select a segment in a text document, right-click and select **Code in Vivo**, or the corresponding button in the ribbon (Windows) / toolbar (Mac).

"Over-dependence on in-vivo codes ... 'can limit your ability to transcend to more conceptual and theoretical levels of analysis and insight' (Saldana, 2009:77). Where they are descriptive and unique to one person, the coder needs to move on from them quite quickly to generate a more analytical code." (Bazeley, 2013:166).

Display of Coded Data Segments in the Margin Area

The coded segment is displayed in the margin area. A blue bar marks the size of the coded segment (= quotation), and the code name appears next to it. When coding data in this way, a new quotation is created automatically, and the code is linked to this quotation.

I was happy before I had kids and am happy now. However, the first year of motherhood was rough. I was only 25 and becoming a mom forced me to grow up. All of a sudden I had to become a lot less selfish and a lot more responsible, which is not easy in a culture that glorifies self-centeredness and irresponsibility.

I'm a better person for becoming a mom, even if I'm not any happier.

experiencing parenthood

Applying Existing Codes

Existing codes can be applied using the Coding Dialogue or via Drag & Drop.

Using the Coding Dialogue

Highlight a data segment, right-click and select **Apply Codes**, or simply double-click on the quotation.



It is easy to quickly jump to the code you are looking for by entering the first few letters of the code in the search field.

Select one of the existing codes, click on the plus button or press Enter.

Drag-and-Drop Coding

Drag-and-Drop Coding is possible from the following locations:

- the Codes branch from the Project Explorer
- the Code Browser in the navigation panel.
- the Code Manager

At the end of this chapter, you find other Drag-and-Drop options that are also available for your convenience.

Drag & Drop Coding from the Code Browser

To open the Code Browser, click on the **Codes** icon. The search field in the Code Browser facilitates handling a longer code list. Rather than scrolling the list, you enter the first letters of a code.



Highlight a data segment, select one or more codes from the code list and drag the code onto the highlighted data segment.

By the way, in case you were wondering, code density is not a value that is calculated by the software. It goes up, when the researcher begins to link codes to each other. See Working With Networks.

Drag & Drop Coding from the Code Manager

When using the Code Manager for drag & drop coding, it is recommended to place it next to the data you are coding. If you click on the pin on the top right-hand side of the window, the Code Manager stays on top.

You can quickly access codes using code groups to filter the code list.



Highlight a data segment, select one or more codes from the code list and drag the code onto the highlighted data segment.

Quick Coding

Quick Coding assigns the last used code to the current data segment. This is an efficient method for the consecutive coding of segments using the most recently used code.

Highlight a data segment or click on an existing quotation.

Right click and select Quick Coding from the context menu, or use the shortcut cmd+L. Another option is to select the Drop-down next to Apply Codes in the toolbar.

Keyboard Shortcuts For Coding

Coding	Short-Cut
Create Free Code	Cmd+K
Apply Codes	Cmd+J
Apply Last Used Codes	Cmd+L
Code In Vivo	Shift+Cmd+V

More Drag-And-Drop Options

- You can drag-and-drop quotations in the Quotation Manager to a code in the side-panel in the Quotation Manager.
- You can drag-and-drop quotations from the Quotation Manager to a code in Code Manager.

- You can drag-and-drop one or more codes to a quotation in the Quotation Manager.
- You can drag-and-drop one or more codes to a quotation in the Quotation Browser in the Navigation Panel.
- You can drag-and-drop quotations from the Quotation Browser to a code in Code Manager.
- You can drag-and-drop quotations from the Quotation Browser in the Navigation panel to a code in side panel of the Quotation Manager.

Working with Codes

Modifying the Length of a Coded Segment

Select the quotation by clicking on the quotation bar or code in the margin area. Then move the handle in form of a blue line and dot to the right, to the left, or up or down, depending on whether you want to shorten or lengthen the quotation.

- ⁵ INT: Ok, so as you know this project is about friendship, erm I want you to think about one of your friends erm and can you tell me how you became friend: with this person.
- STU: Er I'll use one that's probably my er best friend I suppose, I was er, I was working as a fitness instructor for the council and he was a, he was a customer, he used to come in like every day, so we just er, this is about, this is about twelve years ago, and then er we just got to know each other and like he came on like a few of the staff nights out and then er we're still friend now and that, although I'm not a fitness instructor cos I got ill and you know, you know, but we just stayed friends, so we're still really good friends, although he lives in Runcorn now and I still live in Liverpool, we always talk to each other on the phone and see each other like once a month, twice a month for a night out or ...

best friend: how it began

Removing a Coding

This option is the reverse function of coding. It removes the links between codes and quotations. Unlike the delete function, neither codes nor quotations are removed; only the association between the code, and the quotation is removed.

In the Margin Area

Right-click on the code in the margin area and select the option Unlink from the context menu.

In the Coding Dialogue

Double-click on quotation in the margin area. This opens the Coding Dialogue. Click on **Applied Codes** to quickly see which codes have been applied to the quotation. Click on the button with the minus (-) to remove a code.



Replacing a Code via Drag & Drop

If you want to replace a code that is linked to a data segment:

You can drag and drop another code from either the Project Explorer, Code Browser, or the Code Manager on top of it.

 > <i>def happiness: fulfillment</i> > <id>def happiness: is subjective</id> 	8 4	In many ways, I think Mother Nature played a cruel joke on us making sex or pleasurable yet so dangerous. I often wonder why we as human don't	or he fir		0 In map
> 🗘 def happiness: long term view	6	have sex like other animals for procreation and no other reason	st tir	effe	Merge code effects neg: loss into effects neg: less
EFFECTS NEG Original of the set of	5 222	While I enjoy my last few months of freedom I will continue to take note of my joys and and fears and see how they compare to fatherhood.	ne. Curr		Replace effects neg: less with effects neg: loss
effects neg: noss of needoni	9 223	•	8	"blog cc	Link Code to Code
effects neg: on relationships	10		258	parenth	effects neg: loss argue effects neg: less
> effects neg: on self	6 224	Look, I'm a psychologist, and this one is quite easy. If you read Dawkins,	ook		effects neg: loss contradicts effects neg: less
C EFFECTS POS	0	it's an explained.	ľm		effects neg: loss difference between effects neg: less.
>	6 225	Children are an extension of our selves, they are our genes, they are our	a psy		effects neg: loss experience effects neg: less
effects pos: improved relationships	6	immortality, or at least the next chunk of it.	chol		effects neg: loss is a effects neg: less
effects pos: life is richer	5 226	I hate to break the magic, but we can never deny fulfillment with our	ogist		effects neg: loss is associated with effects neg: less
> c effects pos: personal growth	7	children as that would be a denial of ourselves and our qualification to go	, and		effects neg: loss is cause of effects neg: less
<pre>c effects pos: positive emotions</pre>	15	on to the next round.	3:13 d this	chilc	effects neg: loss is part of effects neg: less
	0 227	The truth of the matter is that you are happier without children: there is	one one	5 4 F	effects neg: loss is property of effects neg: less
> 🔾 parenthood: a worthwhile trade-off	11	nothing about raising children that improves your status or immediate life,	is qu		effects neg: loss mention effects neg: less
> O parenthood: ambivalence of	38	or self-actualization.	uite e	ŕ	effects neg: loss noname effects neg: less
> o parenthood: rewarding	14 228	However, you miss the opportunity to pass on anything, the good or the	asy.		effects neg: loss perceive effects neg: less
C REASONS FOR HC	1	bad. This is only possible through children.	If yo		effects neg: loss view effects neg: less
> 🔷 reasons for hc: altruism	14	Children are have for the lacking is any rem lines. They provide a	u rea		Create Relation
> 🔷 reasons for hc: biology	16 229	component to the psyche that cannot be satisfied in other ways without	d Da		23
> 众 reasons for hc: cultural embedded believes	28	them They are our immortality our legacy and our hope. They are our	wkin		wkin tt
reasons for hc: for oneself / self-centered	13	mortal life after our death.	s, it '	parer	nthood: rewarding

Adding, Changing and Removing Code Color

Select one or multiple codes in the Code Manager, the Project Explorer or Code Browser, right-click and select **Change Color** from the context menu. Select one of the offered colors.

You can also click on the color circle in the inspector. This also opens the list of code colors.



The default color palette is suitable also for colorblind people. Additional colors can be added if you import a list of codes from Excel. See Importing code lists.

Renaming a Code

You can left-click on a code anywhere to rename a code in in-place edit mode. Another option is to rename the code in the inspector.

To rename a code in the margin area, select a code and rename it in the inspector on the righthand side.



Deleting One or Multiple Code(s)

In the Project Explorer, the Code Browser, or Code Manager, right-click on a code and select **Delete.** To select multiple codes, hold down the command key.

🖌 🔵 🔶 Benefit	53
🔵 🚫 benefit: skill develop	oment 🛛 💶 13 💶
Ø Intersection of the second secon	— ———————————————————————————————————
🔵 🔷 collaboration	Open "Benefit: collaboration"
Creative	Open in Network
educational	
> 🔵 🛟 Downside	Edit Comment
> 🔿 🛟 Evaluation	Change Color >
> 😑 🔷 Features	
> 🌒 🔶 Guidance	Create Group
> 🗕 👶 mode	Create Smart Code
🗆 🚫 new code	Remove from Group
🕨 🌒 🛟 Online	Oct Olahal Filter
🔹 🌒 🛟 Recommended age	Set Global Filter
🔹 🗢 🔷 The Game is:	Clear Global Filter
	Split Code
	Show Word List/Cloud
	Сору
	Duplicate
	Rename
	Delete

About Renaming, Deleting and Unlinking Codes

Renaming and deleting codes are procedures that seem trivial, but understanding the scope of these operations can be a problem for new users. For both operations you must understand, that there is only ONE code, for example 'source of happiness: children' in a given project, even if you *applied* this code many times.

In the margin are, you may see the code appear many times while scrolling through your document. In fact, you are seeing the *codings* for this code. Technically speaking, these are links between a quotation represented by a blue bar and the code, represented by its name and icon.

Removing a coding in the margin area (i.e., unlinking the code) is like erasing a word in the margin of a paper document with an eraser. It only affects one coding, i.e., one specific occurrence of the code. All other occurrences of the same code are untouched. The effect of the operation is local.

By renaming or removing a code from a project, you are affecting every occurrence of the code throughout the entire project. The effect is *global*. Renaming the code will instantly change all the

code links in the margin to reflect the new name. Deleting it will remove all occurrences in the margin (and from all other contexts in which it was engaged, like networks, groups, etc.).

Duplicating a Code

It is also possible to duplicate codes with all its linkages. The duplicated code is a perfect clone of the original code including color, comment, code-quotation links, code memo links and code-code links. Duplicating a code can be a useful option to clean up or modify a code system.

To duplicate a code, right-click on a code in the Project Explorer, Code Browser or Code Manager and select **Duplicate**.

Writing Code Comments

Code comments can be used for various types of purposes. The most common usage is to use them for a code definition. If you work in teams, you may also want to add a coding rule, or an example quote. If you work inductively, you can use code comments to write down first ideas of how you want to apply this code. You can also use it to write up summaries of all segments coded with this code and your interpretation about it. There are several ways to write a code comment.

- If you select a code anywhere, you can write a code comment in the inspector.
- Adding a code comment when creating a new code in the coding dialog:

Enter a new code name and click on the + to create the code. Now you can enter a description or code definition in the comment field.



• In the margin area, you can double-click on a code to open the comment editor.

t easy in a culture that	ppy be	3:2	happy
if I'm not any	fore I ha		 ◆ parenthood: ambivalence of Fonts B I U ≡ ≡ ≡
hat happiness isn't aving a child has fore opportunities for fore activities that in the other hand, I for anything, even if fun" or "enjoyment." rolve a lot of difficulty sarily, but that doesn't	3:236 If anything, I think what this ma	*blog comment Have children: yes number of children: 1 child parenthood: ambivalence of parenthood: a worthwhile tr	This code is applied to all statements or blog posts as a whole when the two sides of parenthood were expressed, the good and the bad, the positive and the negative Review and edit code comment
			Show Quotations

Another option is to right-click on a code anywhere and select the **Edit Comment** option from the context menu.

All codes that have a comment shows a little yellow dot on top right-hand side of the code icon.

Creating Categories and Subcodes

Video Tutorial: Building a code hierarchy.

If you want to sort your codes into higher and lower order codes, you can make use of **categories and subcodes**. An additional way to organize your codes are folders. Folders can contain other folders. This gives you multiple levels of organizing your codes. Only independent codes and subcodes can contain coded data. The reason for this is methodical rather than technical. If you use a deeper hierarchy, you will likely start duplicating and even multiplying codes at the lower levels. Not only does this make your code system long and difficult to maintain, it also prevents you from performing effective comparative analysis. Below we quote just one of the many authors who offer this advice:

"If you have a typical project of moderate complexity, it should require no more than 10 toplevel [parent] categories" to cover the topic [...]. Furthermore, most code systems do not go more than two or three levels deep. If they do, it is likely that the categories being used are no longer true subcategories of the higher-order categories they are under; and, on a practical level, it becomes inconvenient for the coder to remember, locate, and effectively use them" (Bazeley, 2013. p. 183).

See also: How to build a code system.

An additional way to organize your codes are **folders**. You can add independent codes and categories with their subcodes to folders. Folders can also contain other folders. This allows you to group codes under themes or topics that are too abstract anyway to be used for coding.

Below is an example showing a 3 level hierarchy, illustrated using the ATLAS.ti network function:



Creating Categories with Subcodes

There are two ways to create a category: by moving codes via drag & drop under a *free* code, or by splitting a code that already has codings.

Moving Codes under a Free Code

Create a new code.

Select one or more codes in the code list using the common selection techniques for multi selections.

Drag the codes to the newly created code. A context menu opens. Select the first option: Add 'x number codes' into...:

Once you have added subcodes to an independent code, it becomes a category. The code icon changes. See image below.



Codes	0	\diamond	Groups		
🔿 💸 improved relationships	4 (0 effects		
ା 🝼 meaningful life	6 (0 effects		
🔿 🝼 personal growth		(0 effects		
O O Positive effects	0	(n effects		
ି ổ positive emotions	Add code 4 Codes to	Positive effec	ts		
	Merge code 4 Codes i	Merge code 4 Codes into Positive effects			
	Link Code to Code	c Code to Code odes contradicts Positive effects			
	4 Codes contradicts P				
	4 Codes is a Positive effects				

Codes	(1)	\diamond
\checkmark \bigcirc \diamondsuit Positive effects	20	0
🔿 今 improved relationships	_ 4	0
🗆 今 meaningful life	— 6 —	0
🗆 今 personal growth	8	0
O Interpretension Operation Operatio Operation Operation Operation Operation Operat	 5 ⊂	0

Creating a Category via Splitting

Select a code that you want to split into subcodes.

Right-click and select the option **Split into Subcodes**. The Split Code tool opens.
Click on Add Codes to enter the labels for the subcodes. After entering the first code, press the right arrow $(\rightarrow |)$ to move to the next entry field to enter the second label, and so on. Once you are done, click on Add.

By default, a subcode with the name **Undecided** is added to the first column of the table. All quotations are added to this subcode. The next step is to assign the quotations to the new subcodes you have created. If a quotation does not fit into any of these subcodes, you can just leave it in the subcode 'Undecided'.

This is how you assign the quotations to one or more subcodes:

Select a quotation. Its content is shown at the bottom of the screen. Assign the quotation by clicking on the checkbox of the subcodes that apply.

To speed up the process, you can press the number keys (1,2,3, usw.) to assign the selected quotation to subcode 1, 2, 3, usw.

t a code by mo	oving its codings to subcodes.				Add Codes
O Undecided	Quotation	improved relationships	× O personal growth	× O positive emotions ×	meaningful life
	3:182 ¶ 213, Being a parent (and n		✓		0
	3:184 ¶ 214, I may not be happier (0			
	3:206 ¶ 242 – 243, My personal su				
	3:218 ¶ 257, Sure, life was good be				
	3:226 ¶ 265, for very high levels of				
	3:286 ¶ 328, It's certainly more the				
	3:364 ¶189, I never feel more alive				
	3:387 ¶ 66, But when I get to see h				
\checkmark					-
	5:40 ¶ 45, At the heart of the deba				
grow, learn and undane activit re really welco	 5:40 ¶45, At the heart of the deba 5:78 ¶97, However, I find that the d experience life as my daughter does. I ies such as getting her ready for daycarmed that change 	experience pure bliss each a e or feeding her in the mornir	and every day experiencing	g the most normal focus on the SELF and	effects positive perception whether ch
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grow, learn anundane activit e really welco	 5:40 ¶45, At the heart of the deba 5:78 ¶97, However, I find that the d experience life as my daughter does. I ies such as getting her ready for daycar med that change to toggle the selected coding for the original of ys (1, 2, 3) to toggle the selected coding for the selected co	experience pure bliss each a e or feeding her in the mornin ode. the added codes.	and every day experiencin ng. Parenting requires less	g the most normal focus on the SELF and	effects positive perception whether cf

Mutually exclusive: If you do not want to allow that a quotation is coded with two of the subcodes, activate the option **Mutually Exclusive**. This is a requirement for some content analysis approaches and for calculating inter-coder agreement. See Requirements for Coding.

Once all quotations have been assigned to one or more subcodes, click on **Split Code.** The code that you split will be turned into a category. This is indicated by the changed code icon. If you click on the drop-down arrow in front of the code, you can expand the category to see the subcodes.

\checkmark \bigcirc \diamondsuit effects positive	 21 0
\bigcirc improved relationships	General diamond and a second diamond and a second diamond diamond and a second diamond di amond diamondi diamond diamond diamond di amond diamond
🔿 🔷 meaningful life	60
\bigcirc \diamondsuit personal growth	8 0
\bigcirc \diamondsuit positive emotions	
O Ondecided	2 0

The groundedness of a category code is the number of quotations coded by all of its subcodes. Since you can apply several codes to the same quotation, the total for a category can differ from simply adding up quotations for all subcodes. Both sums are only equal, if you use subcodes in a mutual exclusive manner.

Creating category and subcodes in the coding dialog

When double-clicking on a quotation in the margin, or when highlighting a data segment and selecting the **Apply Codes** option from the context menu, the coding dialog opens. You can create a new category with a subcode directly here in the dialog, or add a new subcode to an existing category.

Adding a category with subcode

In order to create a category code with a subcode, you simply have to enter as label: category name: subcode name:



Adding a new subcode to an already existing category

Start typing the name of the category code. This filters the code list.

Select one of the existing sub codes, highlight the subcode name and type over the new name, or delete that part of the name first and then add the new subcode name.



Easy coding with subcodes of a category

There is a very easy way to apply subcodes to your data via drag & drop coding.

Highlight a section of your data and drag & drop a category code from other the project explorer, code browser or code manager onto the text.

A window pops up showing you the list of subcodes. Select one of the subcodes to code.

If you select an existing quotation and one or more subcodes of the selected category have already been applied, this is indicated by a check mark.

Q Search Codes	₽ţ	68	If you want to have children because you expect them to make you
Experience of parenthood	139		happy, you shouldn't have children. If you are unhappy before
> • O negative effects	42		children, you will be unhappy after children. You will be miserable,
> • • parenthood	62		and your children will be miserable. Happiness comes from within.
	41	69	
> D Image composition	18	70	I believe it. I believe people who have kids are significantly less
> 0 Peasons for having children	110		happy with life in general versus those who don't. All my friends
> 0 D sociodomographics	100		and family members who have kids are constantly complaining
*blog commant	100		about something of other. They look exhausted and trustrated most
	130		chance they get. That doesn't sound like happiness to me. I know for
	3		sure my parents definitely weren't happy in our household and I
	0		have a sneaking s art of that.
> C Attitude	68	71	Of course any tim children are unrelated to happiness solute joy,
> O Definition happiness	17		and they couldn't children: < happiness ninking it's
> • c> sources of happiness	53		related to the thro children: = level of happiness ney don't
> • • • study design			want to admit tha children: > happiness d that their
> • • Survey questions	48		lives would be m
		72	In contrast, the pe Create Code nuch more
			relaxed and truly enjoying me. They get to travel with their spouses,
			come and go as they please, and have a lot less stress to deal with.
		73	T ve made my choice. I'm not having kids. If you parents could only
		1	I he reported studies seem to be assuming causation in the different
			this finding be a correlation instead? Maybe people who have a
			generally happier a the second s
			to choose not to ha asking the wrong question a things up? I'm
			nerfectl hanny as \checkmark critique anny people
			may think, "I want measuring happiness 30n I feel
			somewhat dissatisf
			different initial lev Create Code essential
			personality traits or are determined by other factors, and thus simply
			persist after the decision to have children or not to have children has

How to move subcodes out of a category

You have two options, you can move subcodes from one category to another category via drag & drop.

If you want to move subcodes out of a category to the first level, they become independent codes again. If you move all subcodes, the category code also becomes an independent code again.

Highlight the subcodes you want to move and drag them to the left side until you see a blue vertical line, then drop:



The subcodes will be sorted into your code list in alphabetic order. The groundedness of the category wil be adjusted. In the example illustrated below, all subcodes were moved out of the category; the category has become an independent code with groundedness 0:

> 💿 츳 Definition happiness	17
Q1: Reasons for having children	24
Q2: Reasons for not having children	24
> • 🔅 sources of happiness	53
> 💿 🛟 study design	34
Survey questions	0
N	

Organizing Codes in Folders

Independent codes or categories with their subcodes can be organized into folders. In contrast to code groups, a code or a category cannot be in more than one folder. The folder structure is hierarchical, code groups are not.

Folders can be contained in other folders. There might be projects that require a fourth level of organization. Below you find an example with three levels. See also the recommendations in the chapter How to build an effective code system.

Codes	(1)
🗸 🔿 🛅 Experience of parenthood	 139
> 🗕 🗇 negative effects	42
> 💿 🔷 parenthood	62
> 🍥 今 positive effects	41
✓ ○ □ Image composition	— 18
> 🔿 🗇 content	— 16
> 🔿 今 focus	— 15
✓ ○ □ Independent codes	149
*blog comment	— ———————————————————————————————————
*research questions	(3
Scientific evidence	• 8
🗸 🔘 📄 Reasons for having children	 119
> 🗕 👶 contra	38
> 💿 🗇 pro	81

How to create folders

In the Code Manager, click on the drop-down next to the plus and select Add Code Folder.



Or:

Select one or more codes or categories, right-click and select the option New Folder with Selection from the context menu.

> 🔿 🛅 sociodemogra] sociodemographics								
🔹 🌖 🔸 🛑 🛑	nt 🥅	138	 0						
💿 🗳 *research que	estions		3	0					
💦 🔷 🗳 *scientific ev	Open 2 Codec		8	 0					
> 🥚 🔷 Attitude	Open 3 Codes		68	0					
> 😑 👶 Definition ha	Open in Network		17	0					
> 🌒 🛟 sources of h	Change Color	>	53	O					
> 🌒 👶 study desigr		_	34	0					
> 🔍 🔷 Survey ques	New Folder with Selection		48	0					
	Create Group								
	Create Smart Code								

If you delete a folder, all content in the folder is also deleted.

How to move items between folders or out of a folder

You have two options: You can move independent codes, categories, or subcodes from one folder to another folder via drag & drop. The second option is to highlight all items that you want to move, and drag them to the left side until you see a blue vertical line; then drop

Automatically Code Data

With the recent advances in deep learning, the ability of algorithms to analyse text has improved considerably. Creative use of advanced artificial intelligence techniques can be an effective tool for doing in-depth research.

Under the **Code** and **Analysis** menu, ATLAS.ti offers five ways of searching for relevant information in your data that can then be automatically coded.

- Al Coding
- Find Concepts and Auto-code
- Text search
- Expert search with regular expressions
- Named Entity Recognition (NER)
- Sentiment Analysis

If you enter a term for a text search, you can select similar words from a list of synonyms. Synonyms are available in English, German, Spanish, Portuguese, French, Dutch, Russian and Simplified Chinese.

Language models for the above-listed languages are also available for Named Entity Recognition, Sentiment Analysis, and Concept Search.

As ATLAS.ti is a tool for qualitative data analysis, the process is not fully automated. Before coding the data, you can review all results, make modifications or decide not to code certain finds.

Artificial intelligence techniques have been developed for big data analysis. The data corpora usually handled by ATLAS.ti are considerably smaller. Thus, you cannot expect all results to be perfect. Reviewing the results will be a necessary component of the analysis process when using these tools. When working with the tools, you will see that the tools will add another level to your analysis. You find things that you simply do not see when coding the data manually, or would have not considered to code. We, at ATLAS.ti, consider manual and automatic coding to be complementary; each enhancing your analysis in a unique way.

Retrieving Coded Data

Video Tutorial: Retrieving coded data.

From the Project Explorer, Code Manager or Code Browser

Double-click a code. This open the **Quotation Reader** and you can review all codings.



If you prefer to read the data in context, you can dock the Quotation Reader to the right or lefthand side of your screen in single line format. To do so:

Select the option Dock to Navigation Area in the ribbon:

ڪ 😶	• <i>(</i> ⊲ ₹		8 Quot	tations of c	ode "def happiness: fu	lfillment"			×
Quota	tions	View							^ (?
Apply Codes	Go to Context	□_]_ Rename	Delete	Open Network	Select All	Excel Export	Dock to Navigation Area		
		Manage			Select	Export	Window		

8 Quotations of code "def happiness: fulfillment"	92	Happiness is far to relative to be quantified via such means. The struggles of love, of any sort, are always going to be the most difficult, but the love that results will always be the greatest	¥.	💊 study design: measuring happi
Search P Image: Constraint of the search of	93	happiness. Seldom have I heard anyone refer to their life as worse for having children.	3	> "blog comment"
4:5 1 11, I also have projects that so con > 1 Coding 4:5 1 11, I also have projects that so con > 1 Coding 4:34 1 45, At the heart of the debate for > 2 Codings 4:51 1 84, happiness is best defined in th > 1 Coding 4:65 1 10, Jacree with Martin Seliman, > 1 Coding		"fulfillment" in having accomplished something with our lives and self-proclaimed "happiness". Any amount of the latter is dependent upon some measure of the former. For many people children provide a sense of purpose and meaning.	248 It is critically	#fam: have children
S:1 ¶ 1, Nobody is happy all of the time, > 1 Coding	95	As for the question of "why does have $c\Omega$ ldren in the first place?", well that's easy. Beyond the choice to have them, as per the statement above, people are VERY motivated by sex, and children are very often a by-product. In humanity's distant past and for most other species, there is little to no thought about whether to have children it just happens, and we're wired to care for them, thankfully.	important to distinguish	ው cassons for hc biology

Simple Retrieval in the Margin Area

If you double-click on a code in the margin area, the comment field opens. From there you can access the quotations coded with the code.



Simple Boolean Queries in The Quotation Manager

Open the Quotation Manager.

Select a code in the filter area. If you have a long list of codes, you can enter a few letters into the *Search Code* field to reduce the list to only the codes you are looking for:



The list of quotations only shows the quotations of the selected code. If you click on a quotation, it will be shown in the preview area. If you double-click, the quotation will be shown in the context of the document.

The yellow bar on top shows the code(s) you are using as filter.

When selecting two or more codes in the side panel, the filter is extended to an OR query: *Show quotations coded with of ANY of the codes....*

Search Codes	Q	Search Quotations							
Codes		Show quotations coded with any of the codes effects pos: fullfillment or effects pos: life is richer							
● <>> EFFECTS POS {0-0}~		ID 🔺 Reference Text Content Codes							
effects pos: fullfillment {6-4}~		3:9		1 13		We've been outrageously lucky. Our d	[effects pos: life is richer]		
effects pos: improved relationships {7-5}~		3·12		121-22		forced me to understand things about	[effects nos: improved relationships] [eff		
• Geffects pos: life is richer {5-3}~		3.25		1 80		I am a relatively new parent myself I	[effects post fullfillment]		
effects pos: personal growth {7-4}~		2:41		T 00		We are used in that we have a dough	[effects post fullfillment]		
effects pos: positive emotions {15-5}~		5:41		00		we are ucky in that we have a daugh	[enects pos: fullimment]		
• OPARENTHOOD {0-0}		3:56		1 108		I simply don't understand those who	[effects pos: life is richer]		
• parenthood: a worthwhile trade-off (11-3)~		🗐 3:136		¶ 199		Kids can be difficult, contrary, stubbo	[effects pos: life is richer] [parenthood: a		
• Select one or more		3:174		1 257		Sure, life was good before, even mor	[effects neg: less fun] [effects pos: life is I		
or parenthood: rewarding codes here		3:240		1 50		what exactly is happy? I agree, I don'	["blog comment"] [#fam: have children]		
• C REASONS FOR HC {1-		3:263		1 197		I will never know if I would have been	["blog comment"] [#fam; have children]		
equation of the second seco		3.328		¶ 110		I suppose an appropriate definition	[effects pos: fullfillment]		
equiprocession of the procession of the proce		 3.520 4.36 		E 4E		At the beest of the debate for me is a	["blas serves att"] [#fam: 1 abild] [#fam:		
• Careasons for hc: cultural embedded believes {28-2}~		4:36		145	/	At the heart of the debate for me is h	[blog comment] [#tam: I child] [#tam:		
• Careasons for hc: for oneself / self-centered {13-1}~					€				
REASONS FOR NHC {0-0}~		Lam a relative	v nev	/ narent myse	lf Lunder	stand-and knew going in-that parenting	Comment:		
 reasons for nhc: don't feel the need {4-0} 		takes away free	edom	, adds stress.	and has a	Il sorts of other negative qualities. But			
• I reasons for nhc: not worth the trade-off {4-0}		there is a deep	sens	e of fulfillmer	nt in life in	having children. I do not begrudge			
• Careasons for nhc: personality {10-4}~		anyone who chooses not to have children. There are plantic of human beings on the							
S_SOURCES OF HAPPINESS {0-0}~		planet. Nonetheless, I think there is some							
source: activities and experiences {5-0}~		in that it's one	impo	rtant part of	he hum	guotation content gful life is			
• Carlo source: attitude {8-1}~		not about "hap	pines	ss"–particular	ly as th	У			
 Source: children {8-1} 		Americans							

Click on the blue underlined **any** operator. This opens a drop-down, and you can change between *ANY* and *ALL*.

Sear	Search Quotations										
Show	Show quotations coded with any of the codes effects pos: fullfillment or effects pos: life is richer										
Shc	Show quotations coded with any of the codes effects pos: fullfillment or effects pos: life is richer										
Sho	w quotations c	oded with all of the co	des effects pos: fullfillment and effects p	oos: life is richer							
	3:35	¶ 80	I am a relatively new parent myself. I	[effects pos: fullfillment]							
	3:41	¶ 86	We are lucky in that we have a daugh	[effects pos: fullfillment]							
	3:56	1 08	I simply don't understand those who	[effects pos: life is richer]							

- ANY: Show all quotations linked to any of the selected codes.
- ALL Show quotations where all the selected codes apply. This means that two or more codes have been applied to the exact same quotation.

Video Tutorial: Retrieving data - Quotation Reader

In the Code Manager

Open the Code Manager and double-click a code. This open the **Quotation Reader**. In the Quotation Reader you can review, edit and also delete codings.



Simple Retrieval in the Margin Area

If you double-click on a code in the margin area, the comment field opens. From there you can access the quotations coded with the code.



Simple Boolean Queries in The Quotation Manager

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The yellow bar on top shows the code(s) you are using as filter.

When selecting two or more codes in the side panel, the filter is extended to an OR query - Filter quotations, which are coded with **any** of the codes.....

RETRIEVING CODED DATA

Quotation Manager A9 Sample Project: Children & Happiness			+ ~	団	No Gro	uping	٢	ᠿ ∽		Q			Ŧ
			New	Delete	G	Frouping		Export	Filter	Search	n Sideba	rs	Pin
Q Search Codes		Filter qu	otations which	are code	ed with ar	ny 🔾 of th	e codes	effects ne	g: loss of	freedon	n, effects neg	: on r	16 🗕
😋 det nappiness: is subjective 🛛 🕺 4	4	#	^ Reference	Name		Text Co	ontent			(C	Document		Codes
😋 def happiness: long term view	6	1:4	p1			So far	the case	for marria	aae looks	aoo	1 Powdthave	A:	effects ne
C EFFECTS NEG	0	1:8	n1			on age	regate r	arents oft	en report	stat	1 Powdthave	o	effects ne
effects neg: less fun	4	2:4	¶ 8–13			Childre	en do not	bring hap	niness In	fact	2 Parenting h	olo	effects ne
effects neg: loss of freedom		3:32	¶ 78			Thoug	h I adore	my son, si	ince his a	rriva	3 Parenting b	olo	"blog con
<pre>effects neg: more worries/stress/responsibil/ties</pre>	9	3:74	¶ 137			l made	my deci	sion vound	and worl	ked t	3 Parenting b		effects ne
effects neg: on relationships	0	3:125	¶ 222			While	l eniov m	v last few i	months of	f fre	3 Parenting k		effects ne
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C EFFECTS POS	0	3:163	9 236 - 237			Lwould	d have to	sav it is n	ot the chil	d th	3 Parenting k		effects ne
C effects pos: fullfillment	6	3:297	¶ 113			and m		freedom th	or the enh	hef	3 Parenting b		effects ne
<pre>c2 effects pos: improved relationships</pre>	6	3:301	¶ 80			l am a	relatively		nt myself	Lun	3 Parenting k		effects no
<pre>effects pos: life is richer</pre>	5	3:317	¶ 8			there :	are more	opportunit	ties for co	oflic	3 Parenting k		effects ne
<pre>effects pos: personal growth 7</pre>	7	3.325	¶ 10			The C	owans for	und that th		a dro	3 Parenting k		effects no
<pre>effects pos: positive emotions 15</pre>	5	1.17	¶ 10			l'm no	t savina l	was ubor	hanny het	fore	A NYTM: rea	dor	effects ne
PARENTHOOD 00000000000000000000000000000000000	0	4.17	163			my wit	e little m	ama taugh	nappy be	o da	4 NVTM: rea	dor	"blog com
parenthood: a worthwhile trade-off 11		4:42	¶ 69			Dont	et me wr	ong Llove	my child	ron	A NVTM: rea	dor	"blog con
parenthood: ambivalence of 38	8	4.40	¶ 87			What	having ch	ildren doe	s do for c	ortai	A NYTM: rea	dor	effects no
parenthood: rewarding 14	4		a of 16 Quotatio	n(e)		what	laving ch		3 00 101 0	ci cui	4_141 1101. 100		encets ne
REASONS FOR HC 1	1	lesuit. It	on to quotatio	11(3)									
☐ reasons for hc: altruism 14	4 Pr	review											
☐ reasons for hc: biology 16	6 T	hough I	adore my son,	since h	is arrival,	my mari	tal satis	faction ha	as declin	ed	"blog co	mmen	it"
reasons for hc: cultural embedded believes 28	8 d	ramatica	ally. And the ca	areer ha	s been ro	ugh too.	I think t	he proble	em, thou	gh, is	#fam: 1	child	
reasons for hc: for oneself / self-centered 13	3 n	ot put p	roperly in thes	e studie	s. Rather	than ask	ing if ha	aving child	dren rais	ses	#fam: ha	ave chi	ildren
REASONS FOR NHC	₀ h	appines	s, we should b	e lookin	g at the v	vork-fam	ily tensi	ons that I	make ha	ving	effects r	neg: or	n relations
reasons for nhc: don't feel the need	4 Cl	hildren i	more likely to r	educe h	appiness	. If emplo	ballaam	ere far mo	ore				
reasons for nhc: not worth the trade-off 4	4	COMING	Juanny, it would		entitely	unterent	ballyalli	с.					
☐ reasons for nhc: personality 10	0												
S_SOURCES OF HAPPINESS	0												
Source: activities and experiences	5												

Click on the box with the **any** operator. This opens a drop-down, and you can change between *ANY* and *ALL*.

- ANY: Show all quotations linked to any of the selected codes.
- ALL Show quotations where all the selected codes apply. This means that two or more codes have been applied to the exact same quotation.

		+ ~	创	No G	Frouping	g	٥	ᠿ ∽	1	Q S	earch			
		New	Delete		Groupi	ing		Export	Filter		Search		Sidebar	s Pin
🔽 Filt	ter quo	tations whic	h are coc	led wit	✓ all	of the	code	s effects ne	eg: less f	un, effe	cts neg: more worri	es/stress/resp	onsibilit	ies 2 —
#	^	Reference	Name		any	ext Co	ontent				Document	Codes	N	umber of Codes
3	:293	¶ 8				I have	a 4-ye	ar-old daug	hter, and	havin	3_Parenting blo	effects neg:	less	
9 4	:113	¶ 45				Yes, h	e can b	be maddenir	ng. Yes, ti	nere a	4_NYTM: reader	effects neg:	less	
Resu	ult: 2 of	2 Quotation	1(s)											

Exporting Results

If you want to export the results, click on **Export** button and select an option from the drop-down menu. For further information on available reports and report options, see **Creating Reports**.



Merging Codes

Video Tutorial:

You may begin your coding very close to the data generating lots of codes. In order not to drown in a long list of codes, you need to aggregate those codes from time to time, which means merging and renaming them to reflect the higher abstract level. Another reason for merging is that you realize that two codes have the same meaning, but you have used different labels.

Moving all low frequency codes under a category code to "clean up" is not a good solution. You may start by using descriptive labels for independent codes, but you need to aggregate them at some point, usually after having gone through your first few sources. If you have too many of those low frequency codes, you create a proliferating coding system that becomes unmanageable (Bazeley, 2013). In addition, it will also not be very useful for your analysis.

There are a few exceptions as always. Codes with low frequencies that capture an exceptionally insightful thought, for instance, don't and also should not be merged. There should only be a few of those and not dozens or hundreds.

This is how you do it:

Select two or more codes in the Code Manager and drag them to the code where you want to merge them into. A menu opens. Select the second option Merge code ... into ...

🔿 🔷 love my partner more	1 0 effec	cts positive
ore accurate self-perception	1 0 effec	cts positive
🔿 🔶 more mature	1 0 effec	cts positive
\odot \diamondsuit personal growth	Add code 2 Codes to personal growth	s positive
💿 🔷 questioning yourself, your life and v	Add code 5 codes to personal growth	s positive
○ 🔷 richer life	Merge code 3 Codes into personal growth	s positive
$\bigcirc \diamondsuit$ understanding own parents better		s positive
Code Distribution by Document	Distribution by Document 3 Codes contradicts personal growth	
	3 Codes is a personal growth	

A comment is automatically inserted into the target code that provides an audit trail of which codes have been merged. If the codes that are merged had a comment, these comments are also added to the target code.

MERGING CODES

O l am "more" than I was before	1	0 effects positive	1	Status
\odot \diamondsuit I feel loved and adored	1	0 effects positive	1	
ି 🔷 leading a meaningful life	1	0 effects positive	1	Created: 13 June 2012
$\bigcirc \diamondsuit$ life is richer	1	0 effects positive	1	Susaine
$\odot \diamondsuit$ love my partner more	1	0 effects positive	1	Comment
ି 🔷 personal growth	 5	0 effects positive	1 24/11/2021,	24/11/2021, 15:22, merged with
$\bigcirc \diamondsuit$ richer life	1	0 effects positive	1	more accurate self-perception
\bigcirc \diamondsuit understanding own parents better	1	0 effects positive	1	24/11/2021, 15:22, merged with more mature
				24/11/2021, 15:22, merged with questioning yourself, your life and values

Splitting a Code

"Inevitably, not all codes you produce will continue to prove useful. Some will be too general, others too specific to one or two segments of data (see Merging Codes). With the exception of contextual codes, a category that is so broad or so vaguely defined that it codes a very large number of passages or very lengthy passages is less likely to be useful in analysis" (Bazeley, 2013:185).

Splitting a code is necessary if you have been lumping together many quotations under a broad theme. This is a suitable approach for a first run through to get an idea about your data. At some point those codes need to be split up into codes with a lower number of codings or into subcodes of a category to be meaningful for analysis.

This can be done in two ways:

- 1. Splitting into independent codes
- 2. Splitting into subcodes (creating a category)

Splitting a code into independent codes

Right-click a code that you want to split in the Code Manager or Project Explorer and select **Split Code** from the context menu.

	\odot \bigcirc
Q Search Codes	₽↓
 Children are hard work but Control definitions of happiness Control of the second seco	30 20 32
 effects positive explanation of research findin perception whether children to reasons for having children reasons for not having children sources of happiness 	Open "effects positive" Open in Manager Open in Network Edit Comment Change Color > New Folder with Selection Create Group Create Smart Code Set Global Filter Clear Global Filter Split Code
	Show Word List/Cloud

In the Split Code tool, you see the list of the quotations coded with the code.

Click on Add Codes to enter the labels for the subcodes. After entering the first code, press the right arrow $(\rightarrow |)$ to move to the next entry field to enter the second label, and so on. Once you are done, click Add.

contexts	6
reasons	6
consequences	6
→ to enter next Code	ę

By default, the name of the original codes is added to the first column of the table. All quotations are still linked to it. The next step is to assign the quotations to the new codes you have created. If a quotation does not fit into any of these new codes, you can just leave it linked to the original code.

This is how you assign the quotations to one or more subcodes:

Select a quotation. Its content is shown at the bottom of the screen. Assign the quotation by clicking on the checkbox of the codes that apply. The quotation is automatically unlinked from the code that you are splitting.

To speed up the process, you can press the number keys (1,2,3, usw.) to assign the selected quotation to subcode 1, 2, 3, usw.

olit a code by cop	ying or mo	· · · · · ·	re other codes.			Add Codes
♦ effepositive	🤫 Quot	Assign quotations to	♦ contexts	× 🛇 reasons 🛛 ×	♦ consequences	×
	6 3:1	the new codes	V			
	6 3:14					
	6 3:21	100, Dat 1 am 00 acopiy 1				
	6 3:27	¶59–60, And I became a mo				
	6 3:41	¶80, Nonetheless, I think ther				
	6 3:67	¶108, I simply don't understa				
	6 3:84	¶138, Has it be hard, yes, an				
	6 3:88	¶139, My children now are ex			 ✓ 	
<	6 3:96	¶145, I am my eldest's hero a				
	6 3:182	2 ¶213, Being a parent (and n				
<	6 3:184	¶ 214, I may not be happier (
-	A 0.000	-		-		

After you have distributed some or all of the quotations into sub codes, click on **Split Code**. Now the new codes are created, and the quotations are assigned accordingly.

It is not required that you assign all quotations to the new codes. Quotations can remain linked to the original code, or also to the original code and any of the newly created codes.

Options

- Copy Comments: Select if you want all sub codes to have the same comment as the code you split.
- Copy links: Select if you want all sub codes to inherit existing links to other codes or memos.
- Mutually exclusive: If activated, you can assign a quotation to only one sub code. This is a requirement for some content analysis approaches and for calculating inter-coder agreement.

Mutually Exclusive Coding

If you do not want to allow that a quotation is coded with two of the codes, activate the option **Mutually Exclusive**. This is a requirement for some content analysis approaches and for calculating inter-coder agreement. See Requirements for Coding.

	-			
	5:40 ¶ 45, At the heart of the deb			
	5:78 ¶ 97, However, I find that the			
	5:83 ¶ 105, In many aspects my rel			
night registe	m	nutual exclusive		
night registe	m	nutual exclusive coding		
iss the space loss the numbe	ey to toggle the selected coding for the original codi keys (1, 2, 3) to toggle the selected coding for the	nutual exclusive coding e. e added codes.		
right registe iss the space l ss the numbe Copy comm Conv links	ey to toggle the selected coding for the original codi keys (1, 2, 3) to toggle the selected coding for the ents	nutual exclusive coding e. e added codes.		

Splitting a code into a category and subcodes

Select a code that you want to split into subcodes.

Right-click and select the option **Split into Subcodes**. The Split Code tool opens.

Click on Add Codes to enter the labels for the subcodes. After entering the first code, press the right arrow $(\rightarrow |)$ to move to the next entry field to enter the second label, and so on. Once you are done, click on Add.

By default, a subcode with the name **Undecided** is added to the first column of the table. All quotations are added to this subcode. The next step is to assign the quotations to the new subcodes you have created. If a quotation does not fit into any of these subcodes, you can just leave it in the subcode 'Undecided'.

This is how you assign the quotations to one or more subcodes:

Select a quotation. Its content is shown at the bottom of the screen. Assign the quotation by clicking on the checkbox of the subcodes that apply. The quotation is automatically unlinked from the subcode 'Undecided'.

To speed up the process, you can press the number keys (1,2,3, usw.) to assign the selected quotation to subcode 1, 2, 3, usw.

t a code by mo	oving its codings to subcodes.				Add Code
> Undecided	Outation	\diamond improved relationships $ imes$	\diamondsuit personal growth \times	opsitive emotions	< 🔷 meaningful life
	😑 3:182 ¶ 213, Being a parent (and n		 ✓ 		
	3:184 ¶ 214, I may not be happier (\checkmark		
	😑 3:206 ¶242–243, My personal su				
	3:218 ¶ 257, Sure, life was good be				
	3:226 ¶ 265, for very high levels of		✓		
	3:286 ¶ 328, It's certainly more the				
	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
	3:364 ¶189, I never feel more alive				
	3:364 ¶ 189, I never feel more alive 3:387 ¶ 66, But when I get to see h				
	 i:364 ¶189, I never feel more alive 3:387 ¶66, But when I get to see h 5:40 ¶45, At the heart of the deba 				
✓ ✓ □ row, learn an	 3:364 ¶189, I never feel more alive 3:387 ¶66, But when I get to see h 5:40 ¶45, At the heart of the deba 5:78 ¶97, However, I find that the d experience life as my daughter does. I ies such as getting her ready for davcar 	experience pure bliss each and	every day experiencing th	e most normal	effects positive perception whether c
grow, learn an Indane activit e really welco	 3:364 ¶189, I never feel more alive 3:387 ¶66, But when I get to see h 5:40 ¶45, At the heart of the deba 5:78 ¶97, However, I find that the d experience life as my daughter does. I ies such as getting her ready for daycan med that change 	experience pure bliss each and e or feeding her in the morning.	every day experiencing th Parenting requires less fo	e most normal cus on the SELF and	effects positive perception whether c
grow, learn an Indane activit e really welco	 3:364 ¶189, I never feel more alive 3:387 ¶66, But when I get to see h 5:40 ¶45, At the heart of the deba 5:78 ¶97, However, I find that the d experience life as my daughter does. I ties such as getting her ready for daycar med that change 	experience pure bliss each and e or feeding her in the morning.	every day experiencing th Parenting requires less fo	e most normal cus on the SELF and	effects positive perception whether c
grow, learn an indane activit e really welco	 is 3:364 ¶189, I never feel more alive is 3:387 ¶66, But when I get to see h is 3:40 ¶45, At the heart of the deba is 3:81 ¶97, However, I find that the d experience life as my daughter does. I is such as getting her ready for daycar med that change 	experience pure bliss each and e or feeding her in the morning.	every day experiencing th Parenting requires less fo	e most normal cus on the SELF and	effects positive perception whether c

Mutually exclusive: If you do not want to allow that a quotation is coded with two of the subcodes, activate the option **Mutually Exclusive**. This is a requirement for some content analysis approaches and for calculating inter-coder agreement. See **Requirements for Coding**.

Once all quotations have been assigned to one or more subcodes, click on **Split Code.** The code that you split will be turned into a category. This is

indicated by the changed code icon. If you click on the drop-down arrow in front of the code, you can expand the category to see the subcodes.

$ullet$ \odot \diamondsuit effects positive	2 1 0
\bigcirc \diamondsuit improved relationships	· 3 · 0
🔿 🔷 meaningful life	6 0
\bigcirc \diamondsuit personal growth	8 0
\bigcirc \diamondsuit positive emotions	<u> </u>
\bigcirc \diamondsuit Undecided	2 0

The groundedness of a category code is the number of quotations coded by all of its subcodes. Since you can apply several codes to the same quotation, the total for a category can differ from simply adding up quotations for all subcodes. Both sums are only equal, if you use subcodes in a mutual exclusive manner.

Building a Code System

A well-structured code list is important for further analysis, where you look for relationships and patterns in the data, with the goal of integrating all results to tell a coherent story. If, as in a survey, you only have questions with the answer categories "yes" and "no" in your questionnaire, your data will only consist of nominal variables. This means that the analysis is limited and does not go beyond the descriptive level. This is comparable to a codebook that consists of a set of codes whose analysis level remains indefinite. The aim of building a code system is that you can access your data through the codes and that you can make full use of the analysis tools.

At the end of the chapter you will find a list of articles and books based on which the following recommendations were written.

How to Begin Building a Code System

Unless you are working with theoretically derived a priori codes, to start with, you will be creating codes to catch ideas as they happen. The list of code grows, and it becomes more and more difficult to keep an overview. It is time to begin managing your list of codes. This can be after coding one document, one interview or a few. Managing your code means to start sorting and ordering them into folders, categories and subcodes. Code groups can help in this process as well. Via code groups you can collect codes that are connected. Then set the code group as filter so that you can focus on this smaller subset of codes. Which codes might form a category, which ones need to be merged or split?

Applying a hierarchically organised catalogue to your code system has several benefits. See also Bazely (2013:179-183).

- It creates order: you know where to look to place or find a particular code
- It brings conceptual clarity for yourself and others
- It provides a prompt to code additional aspects as you continue to code. You are for instance reminded to code for 'reasons for having children', 'sources of happiness', 'definition of happiness', etc. because you have a category for these types of things. It also sensitizes you to notice other subcodes that appear in the data.
- it will assist you in identifying patterns of relationships in your data. Not only will you be able to ask questions about a particular category, this will also allow you to explore relationships between categories, e.g., between emotions and events. You can for instance explorer whether particular events regularly bring forth particular emotions. This can best be achieved if the kinds of things whose associations you want to explore are coded to different categories, in this case a category 'Emotion' with the various types of emotions as subcodes, and a category 'Event' with the various events as subcodes. Hence, you only need a 2-level hierarchy consisting of categories and subcodes.

Several authors provide suggestions in what kind of ways codes in a code system might be grouped. Lofland (1971) for example suggested acts, activities, meanings, participation, relationships, and settings. Bogdan and Biklen (1992) proposed setting/context, definition of the situation, perspectives, understandings of people and objects, process, activities, events, strategies, relationships and social structure. Bazeley (2013) added people/actors/players, issues, i.e., matters raised about which there may be some debate, attitudes, beliefs, ideological positions, frameworks, cultural context, emotional responses or states, personal characteristics, impact/ outcomes (facilitator or barriers).

You may find that some of these ideas easily translate into a category with subcodes; others might be too abstract to code with them. Instead, they can be used at the folder level. Within the folder you can develop categories with subcodes which can be applied to code the data.

Below we show you an example. In the first screenshot, you only see the folder and category level. Code groups have been created as means to filter on folder and category level for different purposes. See Further Data Analysis



In the second screenshot, the folders have been expanded, and you see the type of categories which were sorted into the various folders.

	Codes	(1)
\sim	Experience of parenthood	— 139
	> • 🔷 negative effects	42
	> 🔹 🔶 perception	62
	> • 🔷 positive effects	41
\sim	Independent Codes	149
	● 🔷 *blog comment	— 138
	*research questions	G 3
	Scientific evidence	- 8
\sim	Reasons for having children	119
	> 🗢 💠 contra	38
	> • 🔷 pro	81
\sim	Sociodemographics	100
	> \bigcirc \diamondsuit Have children	94
	> \bigcirc \diamondsuit number of children	42
\sim	O D Survey questions	48
	Q1: Reasons for having children	24
	Q2: Reasons for not having children	24
>	😑 🔷 Attitude	68
>	 Oefinition happiness 	— 17
>	sources of happiness	36
>	study design	34

If you have interview transcripts and want to "code" for respondent attributes like gender, age, family status and the like, you need to use **document groups**. You only code for sociodemographic characteristics if there are multiple respondents in one document as for instance is the case with focus group data.

In the third screenshot, some categories have been expanded, and you see the subcodes. In previous versions of ATLAS.ti it was useful to use the same colour for all codes of a category. Given the new visualizations tools, e.g., in the Document and Code Manager, it can be useful to give each subcode a different color as shown for the category 'sources of happiness'.

Codes	
 O D Experience of parenthood 	C 139
✓ ● <i>◆ negative effects</i>	42
🔵 🔷 less fun	• 5
Ioss of freedom	9
More worries/stress/responsibilities	— 13
on financial issues	
on relationships	— 12
on self	• 6
> 💿 🔷 perception	62
> 🌒 🗇 positive effects	41
> O 🗋 Independent Codes	149
> O 🗋 Reasons for having children	119
\sim \bigcirc \bigcirc sociodemographics	
✓ ○ ♦ Have children	94
🖷 🔷 no	20
yes	74
\checkmark \bigcirc \diamondsuit number of children	42
	23
2 or more children	— 19
> O 🗋 Survey questions	48
> 🥚 🔷 Attitude	68
> 💿 🗇 Definition happiness	— 17
✓ ● <i>◇ sources of happiness</i>	36
Activities and experiences	• 5
attitude	• 8
children	• 8
financial security	• 3
🛛 🚫 personal responsibility	9
relationships	7 ح
> • 🗇 study design	34

Characteristics of a well-structured code list

- Each code is distinct, its meaning is different from the meaning of any other code.
- The meaning of each code is described in the code comment.
- Each category can be clearly distinguished from other categories.
- All subcodes that belong to a category are similar as they represent the same kind of thing. Nonetheless, each sub code within a category is distinct.
- Each code appears only once in the code system.
- The code system is a-theoretical. This means the code system itself does not represent a model nor a theory. The codes merely describe the data, so that the data can easily be accessed through them.
- The code system should be logical, so you can find what you are looking for.
- The code system contains between 10 and 25 top-level categories.
- The code system is no more than two to three levels deep. Thus, it consists of folders, categories and their subcodes. If there are layers of meaning in a section of your data, it is better to create separate codes and double-code the data. This way you can later associate those layers of meaning, e.g., by using the Code Co-occurrence Table.

Good Practice Tips

Organize your code structure based on conceptual similarities, not observed or theoretical associations, nor according to how you think your will want to write the result chapters.

Use a separate code for each element of what the text is about, i.e., each code should encompass one concept only. If there are multiple aspects, the passage can be coded with multiple codes.

Don't worry if not all of your codes can be sorted into a category. Some codes will remain single codes. In order not to "loose" them collect them in a folder, so they show up in their own section in the code system.

The Role of Code Groups in Building a Code System

If you have a lot of low frequency codes that you want or need to merge, then code groups are a good way to collect them. After you have added all low level codes that belong to the same theme / topic / idea, you can set this code group as filter. This makes it easier to merge the codes. The next most likely step is to create a category and add the merged codes as subcodes. You may want to keep the code group because it will come in handy later in the analysis as filter.

Moving on

Once the data is coded, you have a good overview of your material and can describe it. You can then take the analysis a step further by querying the data. The tools that can be used include the code co-occurrence table, the code document table, the query tool, and the networks.

The goal is to delve deeper into the data and find relationships and patterns. Writing memos is very important at this stage as much of the analysis does not just happen because you apply a tool. The insights come when reading the data resulting from a query, and when writing summaries and interpretations.

Literature

The recommendations in this section are based on the following authors:

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Creating a Codebook

If you want to create a codebook for the appendix of a report, do not use the **Export Codebook** option that you find under the main Code menu. The purpose of this option is to transfer codebooks between projects or computers.

The recommended option to create a code book is to use the Excel export option from the Code Manager:

Open the Code Manager. Click on the Export button and select Export as Spreadsheet.

ATLAS.ti exports all columns that are visible in the Code Manager. If you click on a column header in the Code Manager, you can deselect columns that you do not want to export.

Code Manager A22 Children & Happiness	+ ✓ . New De	No G	rouping 🗘	List 🗘 View Mode	[↑] · Q »
Codes	99	\diamond	Groups	© Comment	Export as Spreadsheet
> 🔿 🛅 Experience of parenthood 📃	139				Export Image
> 🗋 Image composition 🖉	18				
> 🔿 🗋 Reasons for having children 🛛 🗖	119				
> 🗋 sociodemographics	100				
● 💸 *blog comment 🛛 🗖	138 🗆	0		0 coding an entire	blog entry - needed for specifi
0 💸 *research questions	3	0		0 questions asked	in the research report
Scientific evidence	8	0		0 all statements th	at reference a particular scient
> 😑 💮 Attitude 🗧	68 🗆	0	Children & Happ	1	

Example Outcome:

Folders and independent codes are listed in the first column, categories in the second column, and subcodes in the third column.

Α	В	С	D	E	F
Code			Comment	Grounded	Code Groups
o Exp	erien	ce of parenthood		139	
	• po:	sitive effects	statements that deal with the effects parenting has on one personally or on one's life	41	Positive effects of parenting RQ 2
		 positive emotions 	general positive effects like:experiencing childhood againcloser contact to other peoplewides world viewbeing loved and adoredlove partner in a different way (as father)feel alive	15	Positive effects of parenting RQ 2
		 fullfillment 	being a parent gives a sense of fullfillment / ones feesl more fullfilled as a person	6	Positive effects of parenting RQ 2
		 life is richer 	life is richer, purposeful, meaningful	6	Positive effects of parenting RQ 2
		 personal growth 	being a parent force one to grow upmakes one reflect on life, brought out good things, helped to understand oneself better	10	Positive effects of parenting RQ 2
		 improved relationships 	being a parent oneself helped improve the relationships with one's own parentsone sees the partner in a new life and falls in love all other again	7	Positive effects of parenting RQ 2

Working with Memos and Comments

Video Tutorial: Using memos at project begin.

Memos

"Memos and diagrams are more than just repositories of thoughts. They are working and living documents. When an analyst sits down to write a memo or do a diagram, a certain degree of analysis occurs. The very act of writing memos and doing diagrams forces the analyst to think about the data. And it is in thinking that analysis occurs" (Corbin & Strauss: 118).

"Writing is thinking. It is natural to believe that you need to be clear in your mind what you are trying to express first before you can write it down. However, most of the time, the opposite is true. You may think you have a clear idea, but it is only when you write it down that you can be certain that you do (or sadly, sometimes, that you do not)" (Gibbs, 2005).

As you see from the above quotes, memos is an important task in every phase of the qualitative analysis process. Much of the analysis 'happens' when you write down your findings, not by clicking buttons in the software.

The ideas captured in memos are often the pieces of a puzzle that are later put together in the phase of **report writing**.

Theory-building, often associated with building networks, also involves writing memos.

Memos in ATLAS.ti can be just a text on its own, or can be linked to other entities like quotations, codes, or other memos.



Typical Usage of Memos

- Memos can contain a project description
- You can list all research questions in a memo.
- You can use memos to write a research diary.
- You can use one memo as to do list.
- Memos can be used as a bulletin board to exchange information between team members.
- You can store definitions, findings or theories from relevant literature in one or more memos.
- You can write up your **analysis** using memos. Those memos will be the building blocks for your research report.

Memos can also be assigned as documents, if you want to code them. See Using Memos as Document .

Differences between Memos and Comments

From a methodological point of view comments are also memos in the sense that comments are also places for thinking and writing.

In technical terms, in ATLAS.ti there is a distinction between comments and memos, as comments exclusively belong to one entity. For example, the document comment is part of the document; a

code comment belongs to a particular code and is usually a definition for this code. A quotation comment contains notes or interpretations about the quotation it belongs to.

Comments are not displayed in browsers separately from the entity to which they are attached.

ATLAS.ti memos in comparison

- can be freestanding, or they can be linked to other entities.
- You can write a comment for a memo, for example: use this memo for section 2 in chapter 4 in my thesis.

Typical Usage of Comments

Below some ideas are listed for what you can use comments:

Project comment

project description

Document comment

- Meta information about a document: source, where and how you found or generated it
- Interview protocols

Information about a respondent like gender, age, profession etc., are best handled by document groups. There is no need to write this type of information into the comment field.

Quotation Comment

- interpretations that only concern a specific data segment
- ideas how a quotation might be related to another quotation
- summaries for what you hear or see in the multimedia quotation
- interpretations of image quotations
- notes on a geo position

Researcher: A. S.

P Basically, I come from a middle-class family-very patriotic, God fearing, and religious. We were a very loving family and continue to be. I have three brothers and one sister. May father is dead. My mother died in her 80S. We all [get] together for a family reunion at least one time a year left home at I6. I worked a couple of years at menial jobswell, not necessarily menial but low paying. I worked as an orderly in a hospital, and that's how I became exposed to the nursing profession and decided to pursue that. I was 2I years old when I was first licensed as a nurse. Now that I'm 50, I have a long history of nursing in there. This was back in the 1960s. I worked one year at a veteran's hospital in the city of X, where I was exposed for the first time to veterans, people who had been to wars. Primarily, there were elderly World War I people, some middle-aged World War Ir people, and a few Korean veterans thrown in. And I was pretty much interested in listening to them talk about their experiences and all that, so in 1966 when the government finally made a commitment to Vietnam, sending lots of men and women and materials, I volunteered to go. Well, kind of volunteered. I was one step ahead of the draft. So I volunteered to go. I did basic training at Fort Sam Houston in Texas, a six-week wonder. I came out as a second Lieutenant and was immediately sent to Vietnam.



Code Comment

- first ideas what you mean by a code
- a code definition
- a coding rule, especially when working in a team
- an example of what kind of data can be coded with this code
- summary of coded segments



Memo Comment

- note to yourself where you want to use the memo in a report
- comments from supervisors or team members
- links to or notes about relevant literature
| Factors hindering and facilitating "comi3 | 1 | Linked Codes |
|--|--|--|
| role of family background | 0 | Linked Oddes |
| Strategies to deal with the experience (4 | O | |
| Strategies to deal with the war experie 5 | 0 | Linked Quatations |
| Taumatic experience 3 | 0 | Linked Quotations |
| war experience combatant / non-comb 7 | 1 | 1:22 ¶ 22, It amazes me how comfort |
| Result: 8 of 8 Memo(s) | | 1:102 ¶ 17, I can remember in this on |
| | Comment for the
selected memo | □ 2:2 ¶ 25, P. The vietcong were a ver □ 2:15 ¶ 59, P: Surviving the war was a □ 2:19 ¶ 67, P: I was able to mentally re □ 2:25 ¶ 79, P: The contact I had with t □ 3:44 ¶ 36-41, P: The anger comes fr ■ ■ ■ U = = = use in section 4.1 |
| (Microsoft Sa 😌 12 💌 (■) (𝔼 (𝔄) (Ξ) Ξ = Ξ | | |
| The war was for all, combatants and non-combatants a non-combatant talked a lot about the inconsistencies he conscious about that as compared to those directly invo | traumtic experience. P1, the
e noticed. He was very | |

Network Comment

"normal" civlian life.

- description of the network
- idea how you want to develop it further

Link Comment

• Explaining why the two entities are linked in a specific way.

inconsistencies arose due to the different ways of acting and reacting as compared to



Writing a Comment

You find a field for writing comments in every Entity Manager.

To write a comment, select an item and type something in to the comment field in the inspector. Alternatively, you can right-click on any entity and select the **Edit Comment** option from the context menu. Both options are shown in the images. The comment is automatically saved.

All items that have a comment display a yellow post-it within their icon.

Creating Memos

Memos can be created from the toolbar, or in the Memo Manager.

To create a memo from the toolbar:

Click the drop-down menu for **Memos** and select **New Memo**. A new memo opens immediately, and you can change the default name in the inspector.

To create a memo in the Memo Manager

From the main menu select Memo > Show Memo Manager.

In the Memo Manager, click on the **plus**. A new memo is created in the list, and you can enter a title. You can begin to write your memo in the editor in the lower part of the Memo Manager.

Adding a Quotation to a Memo

You can copy and past quotations into a memo. This is for example useful if you want to include key quotes in your report.

Select a quotation, right-click and select **Copy** from the context menu, ir the short-cut cmd+c.

Paste the quotation in the memo editor, either using the short-cut cmd+v, or the context menu option. The quotation will be pasted into the memo including its reference, i.e., document name and location within in the document.



You can also copy and paste a quotation including its reference into any text editor, also outside of ATLAS.ti.

Opening an Existing Memo

You can access memos from everywhere: the Project Explorer, the Memo Manager, in the margin area if you linked a memo to a quotation, or from within a network.

If you want to review or continue to work on a memo, just double-click the memo. In the Memo Manager, you can select a memo with a single click and review and edit it in the lower part of the manager window.

Memos can be linked to quotations, codes and other memos. You can link memos per drag & drop basically anywhere in the program, or visually in networks. See Linking Nodes. Below a few examples are given.

References

Corbin, Juliet and Strauss, Anselm (2008). Basics of Qualitative Research: Techniques and Procedures for Developing Grounded Theory (3rd and 4th ed.). Thousand Oaks, CA: Sage.

Gibbs, Graham (2005). Writing as analysis. Online QDA.

Querying Data

ATLAS.ti offers several tools that support you in querying your data:

Simple Boolean Retrieval.

See Retrieving Coded Data.

Code Document Table

The Code Document Table is a cross-tabulation of codes or code groups by documents or document groups. It shows how often a code (codes of a code group) has (have) been applied to a document or document group. See Code Document Table.



Co-occurrence Analysis

To get a quick overview where there might be interesting overlaps in coded data, simply right-click the codes you're interested in, and choose one of the co-occurrence options from the Analysis submenu. You can also open the Code Co-occurrence analysis tools directly from the menu or ribbon. See Code Co-Occurrence Table.

Q Search Codes Al		• cyal: negative				
Colort All		- (- oran nogaciro	• 🗘 eval: positive	• 🗘 eval: positive but	Quotations of Code eval: positive but	
Select All		···· 11	(m) 49	(m) 17	Q. Search Quotations	~ 91
	🔓 benefit: building things 👘 1	3 1	10	5	A	
	benefit: collaboration 🐵 7	0	5	2	(=) 12:2 ¶ 5 in Case 11 (3) 2 codings	\sim
benefit: collaboration	Benefit: creative	0	13	5	educational opportunity for tweens and teens, with the eval: positive but	
Benefit: creative 17 • <	🗘 benefit: educational 👘 1	5 1	9	2	ability to build and construct it fosters creative	
✓	🗘 benefit: skill development 👘 1	8 0	10	2	thinking and problem solving. All positive. On the other hand, exposure to an online community brings privac	
benefit: skill development	🖕 downside: dangerous / distractive 🛛 💮 3	4	0	0		~
DOWNSIDE 0	🔪 downside: game can be boring 👘 2	0	2	0	This is an amazingly powerful construction world -	\rightarrow
downside: dame can be boring	🔓 downside: griefers 👘 3	1	0	3	imagine video legos on steroids. My scientifically eval: positive but	
Advenside: grine can be boning	🖕 downside: scam 👘 2	1	1	0	inclined 8 year old has learned to build buildings,	
Q Search Codes	🖕 downside: social & emotional danger 💿 8	6	1	6	importantly had to solve circuitry, structural and mec	
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C C EVAL 0						
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🔽 😋 eval: positive 49					Q Search Quotations ♦ • ■	~ 9↓
🔽 🔷 eval: positive but 17					(a) 12:3 1 5 in Case 11 (b) 4 codings	\diamond
□ ♦ FEATURE 0					This excellent independent title is an wonderful	nas
feature: mods / texture packs 8					educational opportunity for tweens and teens, with the Benefit: creative	
feature: monster 9					ability to build and construct it fosters creative benefit: educational	
feature: violence 7					thinking and problem solving. All positive.	omer
GUIDANCE 0						

The Query Tool

The Query Tool finds quotations based on a combination of codes using Boolean, Proximity or Semantic operators. Example: Show me all quotations where both Code A and Code B have been applied.

Such queries can also be combined with variables in form of documents or document groups. This means that you can restrict a query to parts of your data like: Show me all quotations where both Code A and Code B have been applied, but only for female respondents between the age of 21 and 30. See the chapters on the Query Tool in the full manual.

Query Tool	\Diamond		ث ×		4
	Create Smart Code	Create Document Group	Export	Sidebars	P
Codes and Code Groups					
Contains quotations which must match all all of the following rules				21	+
Quotation co-occurrences				21 🛓	+
Scoded with ♦ Code ♦ eval: positive (49) ♦				49 🛓	
$ (Is coded with \diamond) (Codes of group \diamond) (benefits (6) \diamond) $				53 🛓	
Documents and Document Groups					
Contains quotations which must match (all \Rightarrow) of the following rules				89	•
Is in () Documents of group () age recommendation:: 7 - 10 (17)]			89 🛓 🕞	-)[-
1:2 ¶ 5 in Case 12	and advactional My 10		∋ 3 codi	ings	
1:2 ¶ 5 in Case 12 This is a great game for gifted kids looking for something fun a about the inside of calculators in the "How Stuff Works" book, using the circuit (redstone) blocks. He made binary adders and that a lot of teenage boys (oddly almost exclusively from Liver narrating their Minecraft work, but I haven't seen any offensive	and educational. My 10 then created a calcul d converted them to d pool or Canada) post e - just funny in a gros	0-year-old son read ator within Minecraft lecimal system. It is true YouTube videos is or silly boy kind of w.	 3 codi *Rev bene eval: 	ngs iew fits: educatio positive	nal
1:2 ¶ 5 in Case 12 This is a great game for gifted kids looking for something fun a about the inside of calculators in the "How Stuff Works" book, using the circuit (redstone) blocks. He made binary adders and that a lot of teenage boys (oddly almost exclusively from Liver narrating their Minecraft work, but I haven't seen any offensive 16:3 ¶ 2 in Case 16 Good and educational game for 10 and up	and educational. My 10 then created a calcul d converted them to d pool or Canada) post a - just funny in a gros	(D-year-old son read ator within Minecraft lecimal system. It is true YouTube videos is or silly boy kind of w. (3 codi *Rev bene eval: 3 codi bene eval: the c 	ings iew fits: educatio positive ings fits: educatio positive jame is: good	nal
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Smart Codes

Smart Codes are stored queries. They can be reused and always reflect the current state of coding, e.g. after more coding has been done or after coding has been modified. They can also be used as part of other query, thus, you can build complex queries step-by-step. See the chapter "Working With Smart Codes" in the full manual.

Contains quotations which must r	match all 🔅 of the following rules			21		+
Quotation co-occurrences				21	4	+
Is coded with Code	eval: positive (49)			49	1	
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 Is in Concentrations of group of a concentration of the concent	Create Smart Code Answer research question 4b	Cancel Create	rt Code	so codings *Review benefits: ed eval: positiv	ucation e	-) (-

Smart Groups

Like smart codes, smart groups are stored queries based on groups. The purpose is to create groups on an aggregate level. For instance, if you have groups for gender, age and location, you can create smart groups that reflect a combination of these like all females from age group 1 living in city X. See the chapter "Working With Smart Groups" in the full manual.

Global Filters

Global filters allow you to restrict searches across the entire project. If you set a document group as global filter, the results in the Codes-Document or Code Co-occurrence Table will be calculated based on the data in the filter and not for the entire project. Global filters effect all tools, windows, and networks. See the chapter "Applying Global Filters For Data Analysis" on the full manual.

Code Co-occurren	ce Table	С	ompres	s Table	Sanke	y 🗐	₼ ~		Ŧ
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		• 🔷 eval: negative	•	eval: positive		• 🔷 eval: pos	itive but		
		(iii) 11	···· 49			🌐 17			
Laboration				5		2			
Benefit: creative	Restrict	query results	to	11		4			
benefit: skill development	sub aro	uns in your dat	ta	6		1			
iglet benefits: building things	benefits: building things				4				
benefits: educational	using	giobai inters.		6		2			
downside: dangerous / distractive	(ist) 3	4							
● 😋 downside: game can be boring	۵۵۰۰۰ 2			1					
downside: griefers	(ii-m) 3	1				3			
● 🔷 downside: scam	۵۰۰۰۰ 2	1		1					
● 🖕 downside: social & emotional dan	ger 🔲 8	6		1		6			

ATLAS.ti Networks

Video utorial: Visualizations in Building the Understanding

Visualization can be a key element in discovering connections between concepts, interpreting your findings, and effectively communicating your results. Networks in ATLAS.ti allow you to accomplish all three of these important objectives. These small segments of your larger web of analysis are modeled using the network editor, an intuitive work space we also like to think is easy on the eye.

The word **network** is a ubiquitous and powerful metaphor found in many fields of research and application. Flow charts in project planning, text graphs in hypertext systems, cognitive models of memory and knowledge representation (semantic networks) are all networks that serve to represent complex information by intuitively accessible graphic means. One of the most attractive properties of graphs is their intuitive graphical presentation, mostly in form of two-dimensional layouts of labeled **nodes** and **links**.



In contrast with linear, sequential representations (e.g., text), presentations of knowledge in networks resemble more closely the way human memory and thought is structured. Cognitive "load" in handling complex relationships is reduced with the aid of spatial representation techniques. ATLAS.ti uses networks to help represent and explore conceptual structures. Networks add a heuristic "right brain" approach to qualitative analysis.

The user can manipulate and display almost all entities of a project as nodes in a network: quotations, codes, code group, memos, memo groups, other networks, documents, document groups and all smart entities.

Basic Network Procedures

Two methods for creating networks are available. The first one creates an empty network, and you begin to add entities as sequential steps. The other method creates a network from a selected entity and its neighbors.

Creating a New Network

Open the drop-down menu for **Networks** in the toolbar, and select **New Network**. The network opens immediately in the main space. It is recommended to change the default name in the inspector.



Another option is to open the Network Manager and to create a new network there by clicking on the plus button.

A9 Sample Project	ger : Children & Happiness		+ ✓ New	Delete
Name	∧ Groups	Com	ment	
Ambivalence of parenthood				
Hyperlink web looking at source	ces of ha	Idea	s about po	ossible sou
Network				
Result: 3 of 3 Network(s)				

Adding Nodes to a Network

You can add nodes via the Add Nodes button in the toolbar, or via drag-and-drop.

Adding Nodes Using the Selection List

Click on the Add Nodes button in the toolbar.



Adding Nodes Using the Selection List

Click on the Add Nodes button in the toolbar.



This opens a selection list that is docked to the left-hand side of the network. At the bottom of the selection list you see the comments of an entity. Use the search fields to find entities faster.

Select the entity type and then the entities that you want to add to the network. Double-click to add the entity to a network; or drag-and-drop the selected entities to the network; or click on the Add button.



Adding Nodes via Drag & Drop

You can add nodes by dragging entities into the network editor from entity managers, group managers, the margin, the project explorer, or any of the browsers.

Open a network and position it for example next to the Project Explorer.

Select the node(s) you want to import into the network and drag-and-drop them into the editor.



Selecting Nodes

Selecting nodes is an important first step for all subsequent operations targeted at individual entities within a network.

Selecting a Single Node

Move the mouse pointer over the node and left-click.

All previously selected nodes are deselected.



Selecting Multiple Nodes

Method 1

Hold down the **cmd** key on your keyboard, move the mouse pointer over the node and left click. Repeat this for every node you want to select.

Method 2 This method is very efficient if the nodes you want to select fit into an imaginary rectangle.

Move the mouse pointer above and left to one of the nodes to be selected. Hold down the left mouse button and drag the mouse pointer down and right to cover all nodes to be selected with the selection marquee. Release the mouse button.

Linking Nodes and Entities

Select one or more nodes. A dot appears in the top left corner of the node(s). Click on the dot with the left mouse button and drag the mouse pointer to the node that you want to link. In case you have highlighted more than one node, you need to select the dot of one of the nodes.

Release the left mouse button on top of the node. If you link codes to codes or quotations to quotations, a list of relation opens. Select a relation.



The two nodes are now linked to each other. In case you linked two codes or two quotations to each other, the relation name is displayed above the line.



If none of the existing relations is suitable, select **Create Relation** and **create a new relation**. The new relation will immediately be applied to the link.



Editing a Link

Click on a link. If the link has a relation, click on the relation as this makes it easier to select it. A selected link is displayed in blue.

Right-click and open the secondary menu. For a named relation, you have the following options:



- Edit comment: Use the comment field to explain why these two nodes are linked.
- Reverse link: Use this option if you want to change the direction of a transitive or asymmetric link.
- Open in Link Manager: THe Link Manager for codes lists all code-code links; the Link Manager for quotations lists all hyperlinks. In the Link Manager you can review all links, filter by relations, write comments or modify relations.
- Change Relation: Select a different relation from the list of available relations or create a new one and apply it.
- Open Relation in Manager: to review and modify existing relations, or to create new relations.
- Copy: This creates a plain text description of the relation between the two entities that you paste into a comment, memo or text editor.
- Unlink: Removes the link between the two nodes.

Linking Codes to Codes, Quotations to Quotations, Memos to Memos in Managers and Browsers

Quotations, codes and memos can also be linked to each other elsewhere, for example in the Manager, the Project Explorer, or the respective entity browsers.

Select one or more source items in the list pane of the Manager, in the respective sub-branches of the Project Explorer, or in the entity browsers and drag them to the target item in the same pane.

\bigcirc	0	children: < happiness	💶 16 💶 4 Children	n & Happ
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\bigcirc	0	children: > happiness	Merge code def happiness: is into children: = level	n & Happ
\bigcirc	0	children: unrelated to p	Link Code to Code	n & Happ
\bigcirc	0	D_DEFINITION HAPPIN	def happiness: is argue children: = level	g happin
\bigcirc	•	def happiness: fulfillme	def happiness: is contradicts children: = level	g happin
\bigcirc	0	def happiness: is subje	def happiness: is difference between children: = level	g happin
\bigcirc	•	def happiness: long tei	def happiness: is experience children: = level	g happin
\bigcirc	•	EFFECTS NEG	def happiness: is is a children: = level V	e effects
\diamond	٠	effects neg: less fun	def happiness: is is associated with children: = level V	e effects
\diamond	٠	effects neg: loss of fre	def happiness: is is cause of children: = level V	e effects
\bigcirc	٠	effects neg: more worr	def happiness: is is part of children: = level V	e effects
\diamond	٠	effects neg: on relatior	def happiness: is is property of children: = level V	e effects
\bigcirc	٠	effects neg: on self	def happiness: is mention children: = level V	e effects
\bigcirc	٠	EFFECTS POS	def happiness: is noname children: = level e	effects
\bigcirc	•	effects pos: fullfillment	def happiness: is perceive children: = level e	effects
\bigcirc	•	effects pos: improved	def happiness: is view children: = level	effects
\bigcirc	•	effects pos: life is riche	e	effects
\bigcirc		effects pos: personal g	Create Relation e	effects
\bigcirc	•	effects pos: positive en	notions	effects
\diamond	0	PARENTHOOD	0 Parenth	ood

Linking two codes in the Code Manager

Select a relation from the list of relations in case you link two codes or two quotations, or select **Create Relation** and **create a new relation**.

	1:14	p2	Why do we have such a rosy view abou 1_Powdth	navee:	reasons for hc:
₿	1:15	p2	a service a service and servic	avee:	
	1:16	p 2	Merge quotation life can help exp into a 'super-replicat	ivee:	reasons for hc:
	1:17	p 2	Merge quotation life can help exp into a 'super-replicat and expand boundaries	ivee:	reasons for hc:
	1:18	p 2	Link Quotation to Quotation	ivee:	reasons for hc:
	1:19	p 2		ivee:	reasons for hc:
	1:21	p 2	life can help exp continued by a 'super-replicat	wee:	reasons for hc:
	1:22	p 2	life can help exp contradicts a 'super-replicat	ivee:	reasons for hc:
	1:23	p 2	life can help exp., criticizes a 'super-replicat	ivee:	reasons for hc:
	1:24	p2	life can help exp discusses a 'super-replicat	vee:	source: children
	1:25	p 2	life can help exp expands a 'super-replicat	wee:	source: children
	1:26	p 2	life can help exp explains a 'super-replicat	ivee:	source: children
	1:27	p 2	life can help exp justifies a 'super-replicat	ivee:	
	1:32	р3	life can help exp supports a 'super-replicat	ivee:	reasons for hc:
	1:34	р3	Create Relation	wee:	reasons for hc:
	1:36	p2	what these results are suggesting is	avee:	
	1:37	p2	Am I going to be able to pick up David f 1_Powdth	navee:	
	1:38	p 2	n for this discrepancy appears obvious: 1_Powdth	navee:	

Linking two quotations in the Quotation Manager - Creating a hyperlink

Linking Entities of Different Types

When you code your data reading through a document, listening to audio data, viewing an image or video file, you are linking codes to quotations. You can also link quotations to codes in a network, but this is more exceptional rather than a regular procedure.

Linking a memo to a code in a network, or a memo to a quotation might be something you do more often. It works basically the same as linking two codes to each other. The difference is that you cannot name the link between memos and codes, or memos and quotations, or memos and memos. These are second class links as is explained in section About Nodes and Links

Note, that the following entities cannot be linked to each other:

- quotations to documents
- memos to documents (use a document comment instead)
- codes to documents (you can however view code-document connections, see View options)
- codes to code groups, document to document groups, or memos to memo groups (if you do so, the code / document / memo will become a member of the respective group)
- groups to each other (as for instance a code can be a member of multiple code groups, this would potentially create circular relations)



Creating Reports

You can export data in spreadsheet format or as text reports (Word or PDF format).

Export as Spreadsheet

In every manager, you find a button (the rectangular icon with an up arrow) to export the content as spreadsheet. The export is a WYSIWYG (what you see is what you get) type of report. All columns currently displayed are exported.

Document Manager — Aject: Children & Happiness			🖞 🖌 🍸 🔍 Sear	ch
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From Managers

To exclude a column from the report, click on the column header and deselect it.

To create a report, open the drop-down menu of the report button in the toolbar and select **Export as Spreadsheet**.

Use the grouping options to create different sheets for each of the selected entity, e.g. if you group a quotation report by codes, ATLAS.ti creates a separate sheet for each code and its quotation in the spreadsheet or Excel file.

From the Quotation Reader

To export the quotations listed in a Quotation Reader as spreadsheet, open the drop-down of the **options button** in the toolbar and select **Export as Spreadsheet.** The content of the report is the same as from the Quotation Manager. It contains all columns from the Quotation Manager.

From the Query Tool

To create a report, open the drop-down menu of the report button in the toolbar and select **Export as Spreadsheet**.

Export as Report

When using this option, you get a report in text or PDF format. It is available form all managers and the query tool. The report is configurable, this means you can select what it should contain. Before you create the report, you see a preview.

*comments by read 2 images 2 research findings 2	ATLAS.ti Report A9 Sample Project: Children & Happiness	Filter: Selected items Coupling: No Grouping Report Options	es
Group(s)	Documents (selection) Report created by Jan-Erik Stange on Jul 29, 2020	✓ Type of content Creating & Modifying User ► Quotations	ts by readers findings
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	2 2_Parenting blog by Lisa Belkin Text Document	Comments	Multiple Values
	3 3_Parenting blog: reader comments Text Document		
		Cancel Save Print	
	Multiple documents selected		Multiple items selected

Open a Manager. Click on the drop-down menu of the report button in the toolbar and select **Export as Report**.

On the left-hand side you see how the report looks like given the current selections. On the righthand side, you can select further options:

- Filter: If you selected items before clicking on the report button, you can switch between creating a report for only the selected or all items.
- **Grouping:** Depending on the entity type you have different grouping options, e.g. by code, code group or document. Select a grouping option if appropriate.

If you select to group quotations by code, and a quotation is coded by multiple codes groups, the quotations for this code will occur multiple times in the report. If you select to group by code groups, and a code is a member of multiple code groups, the quotations for this code will occur multiple times in the report.

- **Report options:** In this field, you can select which content should be displayed in the report. As soon as you select an option, you see in the preview how it will look like in the report. See below for further detail.
- Save: This saves the report as Word document. Select a name for the report and a location.
- **Print:** You can send the report directly to a printer and print it, or you can save it as PDF file. Other options are:
 - Save as PostScript
 - Send in Mail
 - Send via Messages
 - \circ Save to iCloud Drive
 - Save to Web Receipts

Appendix

The following information has been compiled for the appendix:

- System Requirements
- Useful Resources: Here you find links to the ATLAS.ti website, the Helpdesk, video tutorials, manuals in PDF format to download, the research blog and publications on the use of ATLAS.ti, including an article by Prof. Krippendorff about the implementation of inter-coder agreement in ATLAS.ti.
- Get In Touch

System Requirements

The system requirements are:

Hardware: Any Mac with an Intel or Apple Silicon CPU and at least 4GB RAM; SSD strongly recommended. **Operating systems:** macOS 10.15 "Catalina" or higher.

For better natural language processing results, ATLAS.ti can optionally use bigger machine learning models, which require at least 8 GB of RAM.

Useful Resources

The ATLAS.ti Welcome Screen contains links to manuals, sample projects and video tutorials. The News sections informs you about current developments, updates that are released, interesting papers we have come across, use cases, and our newsletter.

The ATLAS.ti Website

https://atlasti.com/

The ATLAS.ti website should be a regular place to visit. Here you will find important information such as video tutorials, additional documentation of various software features, workshop announcements, special service providers, and announcements of recent service packs and patches.

Getting Support

https://support.atlasti.com

From within ATLAS.ti, select Help > Online Resources / Contact Support. Or access the Support Center directly via the above URL.

Video Tutorials

If you like to learn via video tutorials, we offer a range of videos covering technical as well as methodological issues.

ATLAS.ti Video Tutorials

Sample Projects

You can download a number of different sample projects from our website. Currently English and Spanish language projects are available. The projects feature different types of data sources:

- text
- PDF
- image
- video
- geo data

- and different data types:
 - interview transcripts
 - reports
 - online data
 - evaluation data
 - survey
 - literature review

You can use them for yourself to get to know ATLAS.ti, or you can use them for teaching purposes. If available, also the raw data are provided.

PDF Manuals

ATLAS.ti Full Manual and other documentations.

Research Blog

The ATLAS.ti Research Blog plays a very important role in the development and consolidation of the international community of users. Consultants, academics, and researchers publish short and practical articles highlighting functions and procedures with the software, and recommending strategies to successfully incorporate ATLAS.ti into a qualitative data analysis process. We invite you to submit short articles explaining interesting ways of making the best use of ATLAS.ti, as well as describing how you are using it in your own research. To do so, please contact us.

Inter-coder Agreement in ATLAS.ti by Prof. Krippendorff

We have been closely working with Prof. Krippendorff on the implementation to make the original Krippendorff alpha coefficient useful for qualitative data analysis. This for instance required an extension and modification of the underlying mathematical calculation to account for multi-valued coding.. You can download an article written by Prof. Krippendorff about the implementation of the alpha family of coefficients in ATLAS.ti.

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- Woolf, Nicholas H. and Silver, Christina (2018). Qualitative Analysis Using ATLAS.ti: The Five Level QDA Method. New York: Routledge.

Get In Touch

Social Media

You can access all social media channels from within ATLAS.ti by selecting Help > Social Media.

Stay updated with the latest news on product updates, special offers, new training materials, or interesting articles and links we find. We are also happy to hear from users via these channels. Stop by and let us know about your projects and experience with ATLAS.til

- Twitter
- Facebook
- Instagram
- LinkedIn

Stop by and let us know about your projects and experience with ATLAS.ti!

The ATLAS.ti YouTube channel offers a variety of video materials:

- Overview of the software functionality
- Recorded webinars
- Video tutorials that help you to learn the software.

Videos are available in English and Spanish.