

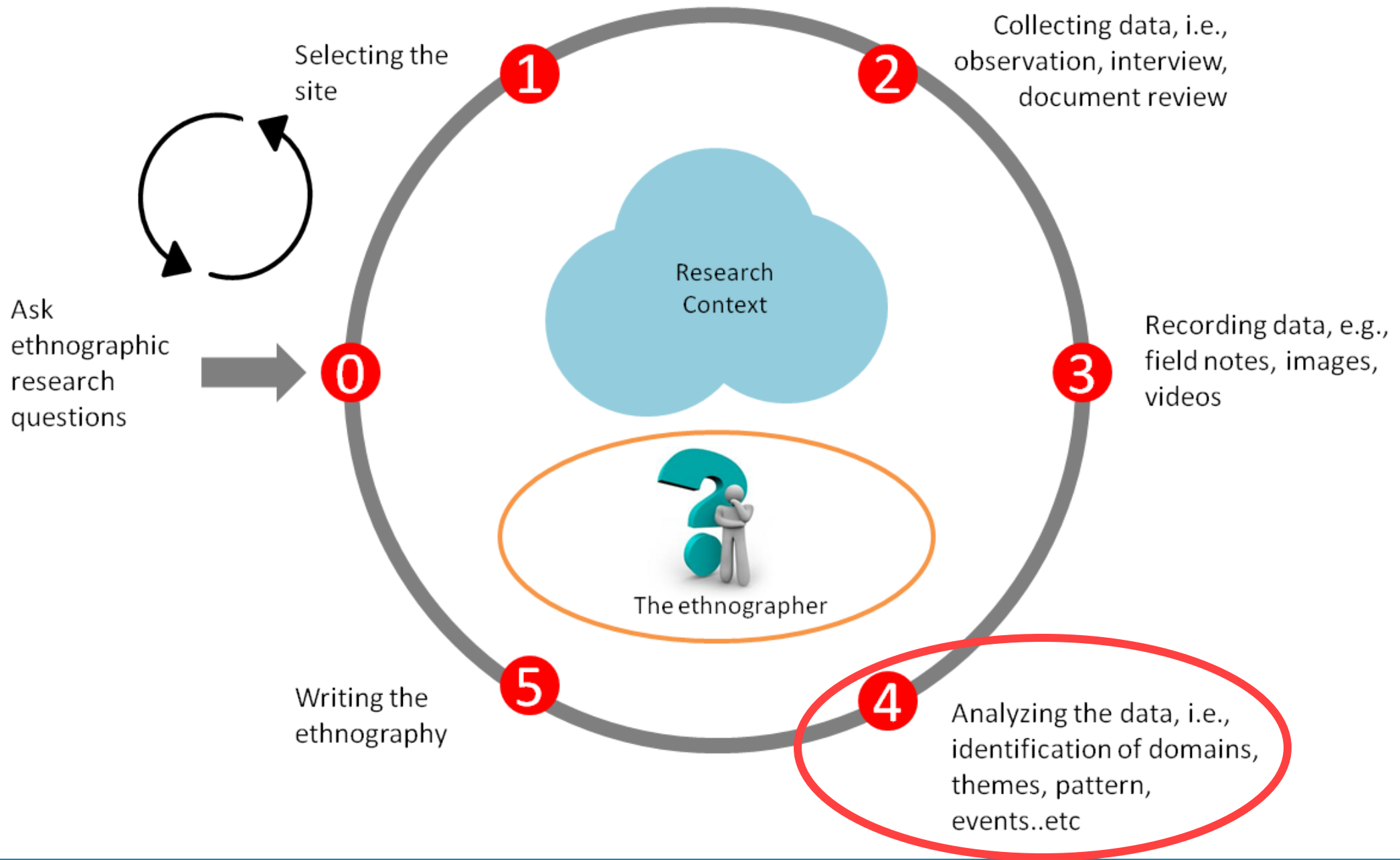
Introduction to Atlas.ti

USING ATLAS.TI FOR QUALITATIVE ANALYSIS

JANUARY 2017

Today's plan

- * Coding as a stage in qualitative research
- * Options for qualitative software
- * **Atlas.ti:** Getting Started
- * **Atlas.ti:** Adding Memos (comments) and Codes (tags)
- * **Atlas.ti:** Running Queries, Tables, and Outputs
- * Questions and discussion



Stages of qualitative research:

Develop an anthropological question

Lit review and conversations for focus

Choose a **method**

Choose a **sampling** strategy

Collect data **ethically**

Analyze data by coding for themes

Share results and apply in your communities

“

Coding is a:

“Systematic way

to condense extensive data

into smaller analyzable units

through the creation of categories & concepts

derived from the data.”

– *Lockyer 2004*

”

Potential data for import

Interviews

Focus
Groups

Observation

Case Studies

Images

Video

Audio

Surveys

Life
Histories

Options for Coding

Paper methods of qualitative analysis:

own home
alone / lonely
When you move into your own home, you're alone. There is no bustle of people around the house. I miss having someone to chat to when I get home. I put the TV or some music so there's some background noise, the silence makes me feel so alone. Sometimes I will be sat watching trash TV and thinking I should be out doing something rather than watching this rubbish. I read a lot but sometimes I am too tired and just want to veg out. But it's been good to move out of mum and dads as it's not healthy to rely on them as they won't last forever. I become independent and made my own decisions. It's good they still there when I need them. It's good to have some distance as when I was at home I was arguing a lot with my dad and that was made me decide it was time to go.

people around
miss company
background noise
lonely
wasting time / inactive
doing
bored / depressed
unhealthy to be dependent
independence
support
distance
conflict
moving out



P-Docs P 1: Hate the MLS.rt Quotes 1:223 Getting involv Codes Experience-lead {1-C Memos

307 I wish I had learned how tough it is and how long it takes to get a professional job. I wish I had considered an online school; I don't think employers discriminate against online schools when hiring. If people want to work in a more competitive library, like an academic library, they shouldn't expect to coast into a job without previous relevant experience. Getting involved in ; are two of the best

308 I wish I had learned how tough it was and how long it takes to get a job. I also wish I learned that most people have to move for their first academic job (I never wanted to leave my home state, but I had to). I would have considered an online school to save money.

309 I would have spent more of my time during my MLIS school years studying teaching pedagogy and digital technologies.

310 I wish there was a psycho public (especially bounda situations).

311

Code(s): KNOW-NETWORKING not created

Know-market
Speed
Ed-online Experience
Experience-lead
Know-network
Move Know-market
Dont-spend
Ed-online
Ed-digital
Ed-teach
Ed-technology

Open Coding

Enter codes separated by |

Skills-people | Ed-mgt

OK Cancel Help

Size: 100

Or... qualitative software



atlas.ti
QUALITATIVE
DATA ANALYSIS

When to use CAQDAS software:

Reasons to use

- Build complex codes
- Test relationships
- Handle large data
- Good for teams

Reasons not to use

- Cost
- Learning curve
- Simple or few interviews

Qualitative analysis software can:

Use text, PDF,
image, video

View codes in
margin

Import
demographics

Export coded
quotations

Add memos

Run searches
(X and Y, near)

Student pricing on CAQDAS software packages

Atlas.ti

- \$99/2 yrs
- Flat codes

MaxQDA

- \$115/2 yrs
- Hierarchy

NVIVO

- \$120/1 yr
- Hierarchy

Dedoose

- \$11/month
- Web based
- Big project slows site

Questions to ask before using software:

- * **How many** interviews, observations, photos, news clippings, or fieldnotes have I collected?
- * How **in depth** does my analysis need to be?
- * Does my **advisor** recommend a certain method of coding?
- * Have I studied a given method of **coding** or analysis?
- * Is **software** likely to help with *this* method for *this* project?
- * Do you need software skills for the **job market**? 😊

Atlas.ti: Getting Started

Using the free Atlas.ti 8 trial

<http://atlasti.com/free-trial-version/>

- No limits on time, but has limits on size
- 10 primary documents (.doc files, images)
- 100 highlighted pieces of text (“quotations”)
- 50 codes, 30 memos (notes to self)

Open qualitative data for practice analysis

- Start with your own documents, images
- Or code blog posts and web articles

International interview & diary archives are also available:

- UKDA Last Refuge Fieldnotes: <http://bit.ly/UKLastRefuge>
- Irish Qualitative Data online at <http://bit.ly/IQDArchive>
- African journals on HIV/AIDS at <http://bit.ly/MalawiJournals>

Organizing your project

Name files descriptively:

2009-06-15_MNG_int1_Aqmaral_CE_v3.txt

Aqmaral-interview-1.rtf

Separate each interview, survey respondent, or day of fieldnotes in its own file

Organize in folders on computer, or in groups in Atlas.ti

Format **before** import

Convert Word files to open .rtf format

Make edits and fix all typos before coding

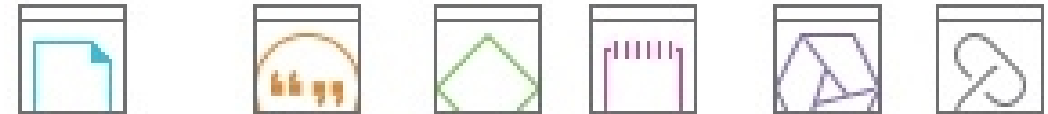
Remove direct identifiers (& record in anonymization log)

Use special formatting to import Excel surveys

(More on organizing your records: bit.ly/DLabQualRDM)

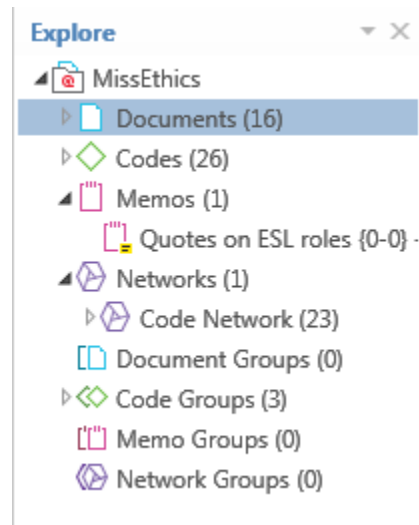
Wayfinding in Atlas.ti software

Top row: select tabs for visual menus



Documents Quotations Codes Memos Networks Links

Icons: opens the document, codes, and memo managers



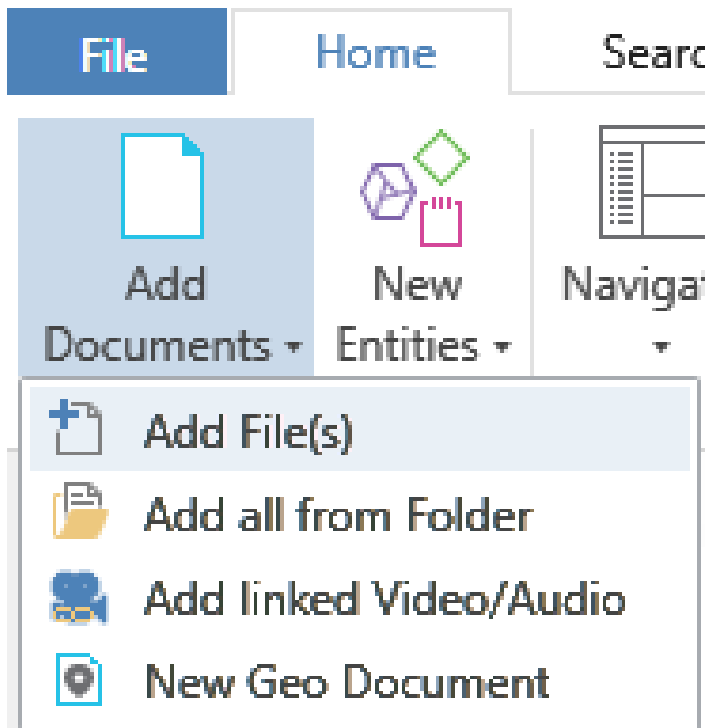
Left: explore list of documents and codes

Center: view your coded document

Right: see codes in right margin

Starting a new project

- 1) File -> New -> Create New Project
- 2) Home tab -> Add Documents -> Add Files or folders

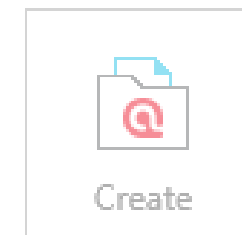


New Project

Create an empty ATLAS.ti project.

Project name:

Enter a name for the project.



Create document groups to group characteristics

Organize **documents** by gender, age, location, theme

(You can also create groups of codes and memos for analysis)

Explore

- MissEthics
 - Documents (16)
 - Codes (26)
 - Memos (1)
 - Networks (1)
 - Document Groups (0)**
 - Code Groups (3)

Document Groups

New Group New Smart Group

Documents in group:

Id	Name
D 3	NGO-2010-01 Eric.doc
D 6	PM-2009-01 Hanna...

Documents not in group:

Id	Name
D 1	EX-2010-01 Scott
D 2	Fieldnotes Summ
D 4	NGO-2010-02 Br
D 5	NGO-2010-03 Lis
D 7	PM-2009-02 Han

Quotations, Memos, and Codes

Software is only a supporting tool for *your* analysis

- a. **Read:** Start with a close reading.
- b. **Memos:** note interesting points or starter ideas.
- c. **Coding:** Mark texts systemically by topic / concept.
- d. **Explore:** your codes or participants in relation.
- e. **Analyze:** Build networks or export coded quotations for further analysis and writing up.

Highlighting quotations on the first read

Document tab → Create Quotation Button, or

Right click → Create Quotation,

To highlight interesting text as you read

File



Create Free
Quotation

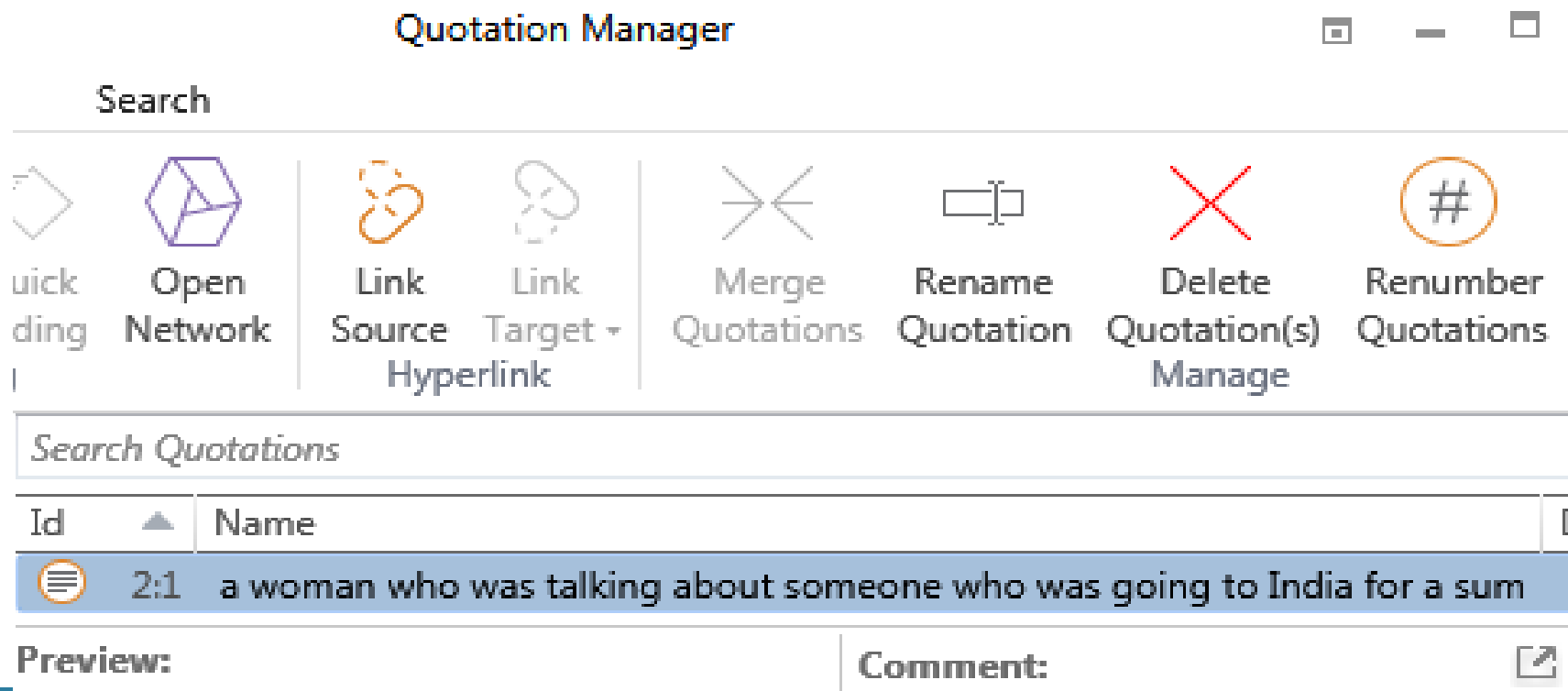
[What kind of reactions do you get from people?]

Oh, "kazakhs are really friendly and really laid back." Out in the village someone could be upset, a chief or someone, but in Almaty, it's a "world-class city" and people here's still some novelty running into an American ore.

“” Create Free Quotation

Editing quotes in the quotation manager

Open the quote manager to rename or add comments (a text-up interpretive approach).



The screenshot shows the 'Quotation Manager' window with a toolbar containing the following icons and labels:

- Quick finding
- Open Network
- Link Source
- Link Target
- Merge Quotations
- Rename Quotation
- Delete Quotation(s)
- Renumber Quotations

Below the toolbar is a search bar labeled 'Search Quotations'. The main area displays a table with the following data:

Id	Name	D
2:1	a woman who was talking about someone who was going to India for a sum	F

At the bottom, there are two input fields: 'Preview:' and 'Comment:' with an external link icon.

Reflection with memos

At the project level:

Capture emerging ideas

Log issues and your response

Can also:

Convert to document

Add to network (show)

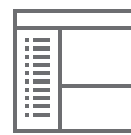
Group and organize

Home

Search Proc



New
Entities ▾



Navigator



New Code(s)



New Memo



New Network

Name	Type	Grounded	Density	Group
 Quotes on ESL roles	Memo	0	0	

Memo: Edited 1/9/2017 11:35 AM by emmelhainz			Comments
09-29-2011: Hannah says that "english is a good way to get in and know people." Angela comments that "ESL opens doors."			Initial th in Centr

Think before coding

Read over the text **first**. Two options:

1) Define the scope of your research, and **focus on that**

Code for pre-existing concepts that relate to your argument

2) Let themes emerge from the data

Code for a few core topics first

One concept, one code (vs. *impact-of-family-size-in-Africa?*)

Coding: tag recurring topics or concepts

Right-click to add a code

Relationships {12-1}

Religion {4-3}

Representation {41-2} ~

Response {8-3}

Role {6-2}

Roles {22-4}

Sects {9-1}

Security {17-1}

on the regulation of missionary activity, they are supposed to register every year. But the international law on religious freedom says this is restricting their rights.

But this is 'right for our republic' - as we are faced with distractive (destructive) movements

At present there are 384 religious movements / mission organizations from 120 countries are officially registered [then she says they are missionaries, not organizations]. They work here from 3 to 10 years [registration period?].

There are 5000 religious organizations working here as of February 2010. This includes

Legal

Sects

the populati...




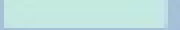










"" Create Free Quotation

Code in Vivo

Enter Code Names

Select Code(s) from List

Grouping codes into families

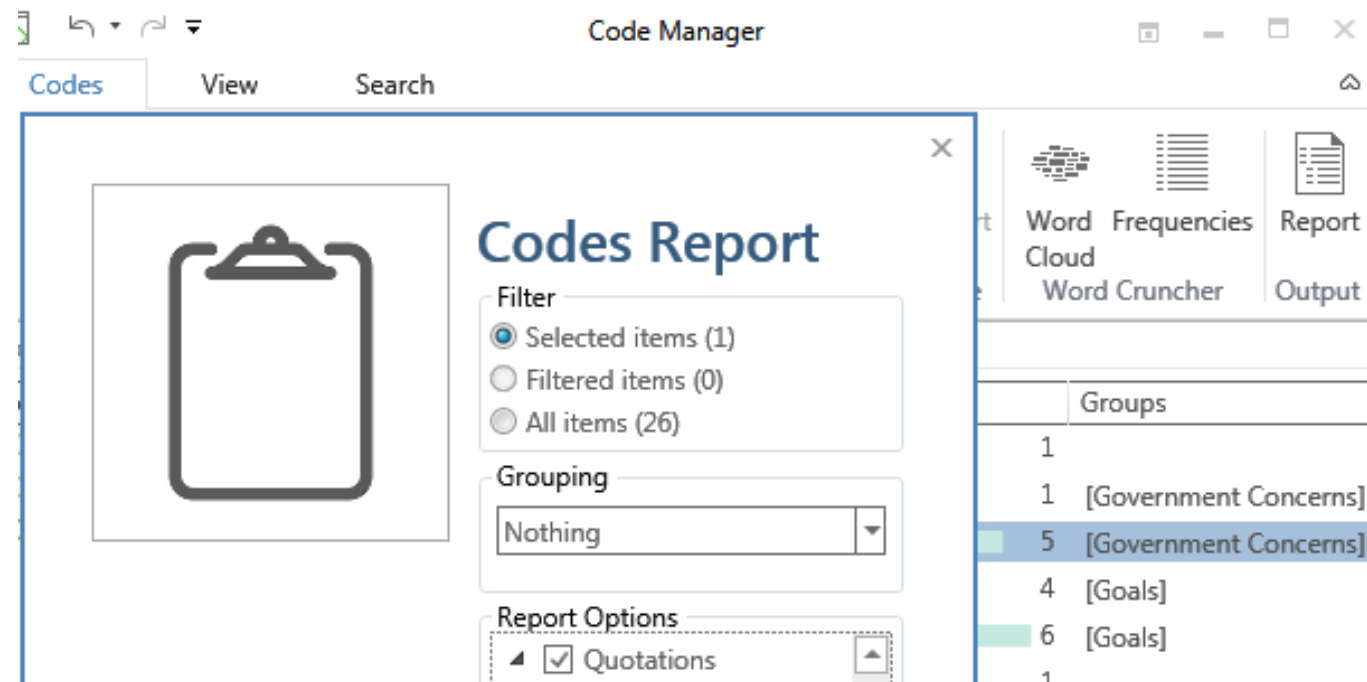
Search Code Groups	Search Codes			
Code Groups	Name	Grounded		Groups
◊ Costs (7)	<input type="radio"/> ◊ Know your market		66	[Things to Know]
◊ Education (44)	<input type="radio"/> ◊ Know a specialty~		47	[Things to Know]
◊ Experience (9)	<input type="radio"/> ◊ Network with others		42	[Things to Know]
◊ Job Market (13)	<input type="radio"/> ◊ Don't pay for it		39	[Costs] [Job Market]
◊ Skills (4)	<input type="radio"/> ◊ Get practical education		35	[Education]
◊ Things to Know (16)	<input type="radio"/> ◊ Get tech education		32	[Education]
	<input type="radio"/> ◊ Get library experience		32	[Experience]
	<input type="radio"/> ◊ Get intern experience		27	[Experience]
	<input type="radio"/> ◊ Get any experience		23	[Experience]
	<input type="radio"/> ◊ Move for Job		23	[Job Market]
	<input type="radio"/> ◊ Get mgmt education		21	[Education]
	<input type="radio"/> ◊ Be flexible		17	[Job Market]
	<input type="radio"/> ◊ Enjoyed LIS community		17	[Education]
	<input type="radio"/> ◊ Choose cheap program		16	[Costs] [Things to Know]

View or save basic coding output

Code Manager → Report (on ribbon)

Include Quotations and Comments, etc.

Save to PDF or .doc



The screenshot shows the 'Code Manager' application window. The 'Codes' tab is active, and the 'Report' ribbon tab is selected. The 'Codes Report' dialog box is open, showing a clipboard icon and the following options:

- Filter:** Selected items (1) (selected), Filtered items (0), All items (26)
- Grouping:** Nothing (dropdown menu)
- Report Options:** Quotations (checked)

In the background, the 'Report' ribbon tab is visible, showing icons for 'Word Cloud', 'Frequencies', and 'Report Output'. Below the ribbon, a table displays the following data:

Groups	
1	
1	[Government Concerns]
5	[Government Concerns]
4	[Goals]
6	[Goals]
1	

Queries and Analyses

Exploring relationships with queries

Look at quotations in relation to multiple codes

- job market **OR** relocation (broadens)
- job market **AND** relocation (narrows)
- job market **NOT** relocation
- student debt **WITHIN** cost of MLS
- successful hire **FOLLOWS** experience (within a paragraph)

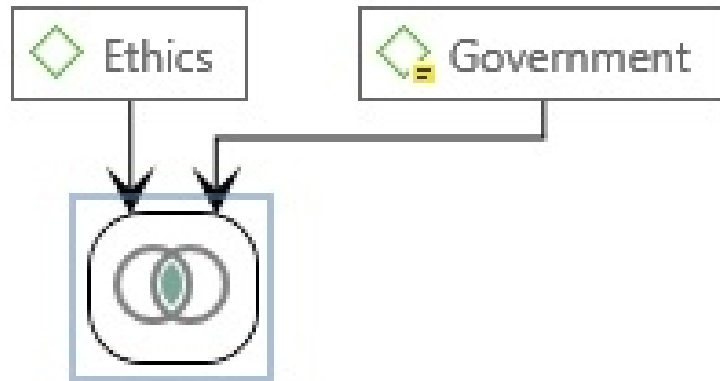
Use *Scope* to search only some documents

Save resulting quotations under a new *Super Code*

AND / OR / ONE OF (not both) / NOT

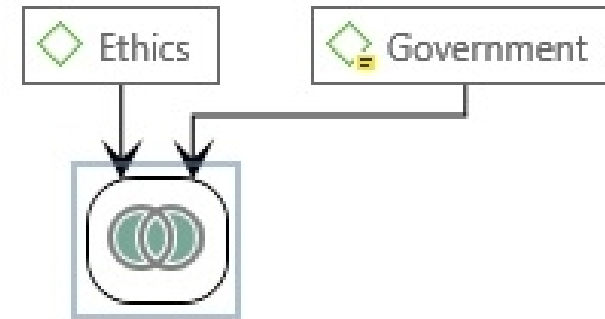
Term: Ethics & Government

Query



Term: Ethics | Government

Query

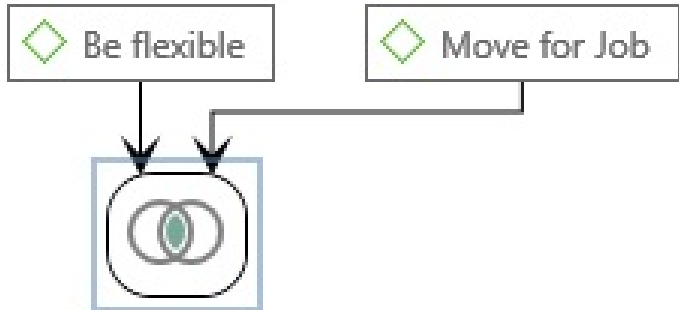


Search Quotations

Id	Name
11:5	Every organization that has ten persons should register....
11:9	The followers of new religious movements don't respect...
13:5	I would explain that the love of God and the gospel are...
13:6	I think we need to follow the laws that the government...

Search Quotations

Id	Name
13:6	I think we need to follow the laws that the government



Search Quotations

Id	Name
1:88	The classes that sounded practica...
1:1...	Keep in mind you have to move a...
1:1...	Advice: When looking for a job, if...
1:1...	I'm in a small library and can do l...
1:2...	What advice would I give them?...

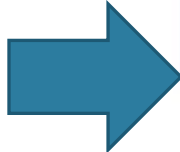


Report Options

- Type of Content
- Dates and Users
- Comments
- Content
- Codes

Report

Output



Report for Query: Be flexible & Move for Job

1:88 Content

The classes that sounded practical, I mostly haven't used. I learned a ton at my practicum and a volunteer gig. Keep an open mind about where you're willing to work, volunteer, intern and live.

4 Codes: Be flexible / Get practical education / Get unpaid experience / Move for Job

1:132 Content

Keep in mind you have to move anywhere to get a job. Be open. Also, learn a variety of skills, be open to learning more, go to conferences, network, and keep relationships close.

3 Codes: Be flexible / Move for Job / Network with others

1:197 Content

Advice: When looking for a job, if you can't be flexible geographically, be flexible in your skills and abilities. Mold yourself to fit a number of jobs. If you are set in a specific type of librarianship, been geographically flexible.

3 Codes: Be flexible / Know a specialty / Move for Job

Compare texts by theme

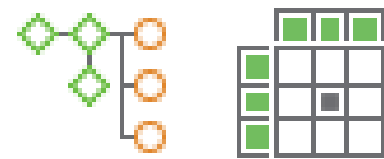
Preliminary Analysis Tools

Co-occurrence table

- Relationships between **two codes**
- Strength of relationship + counts

Codes - primary document table

- Relationship between **codes & documents**
- Distribution of codes across documents

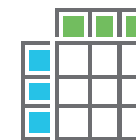


Cooc
Explorer
Cooccurrency

Cooc
Table

Cooccurrence: check overlap of codes

	Don't pay for it	Know a specialty	Know your market	Move for Job	Network with others
Be flexible		3	2	5	1
Choose cheap program	14	1	1		
Don't pay for it		1	5	1	
Get intern experience	1	4	1	1	3
Get library experience	1	3	3		1
Know a specialty	1		5	2	
Know your market	5	5		5	4
Move for Job	1	2	5		1
Network with others			4	1	



Code-Document-Table

Cross Tabulation

Frequency of codes by document

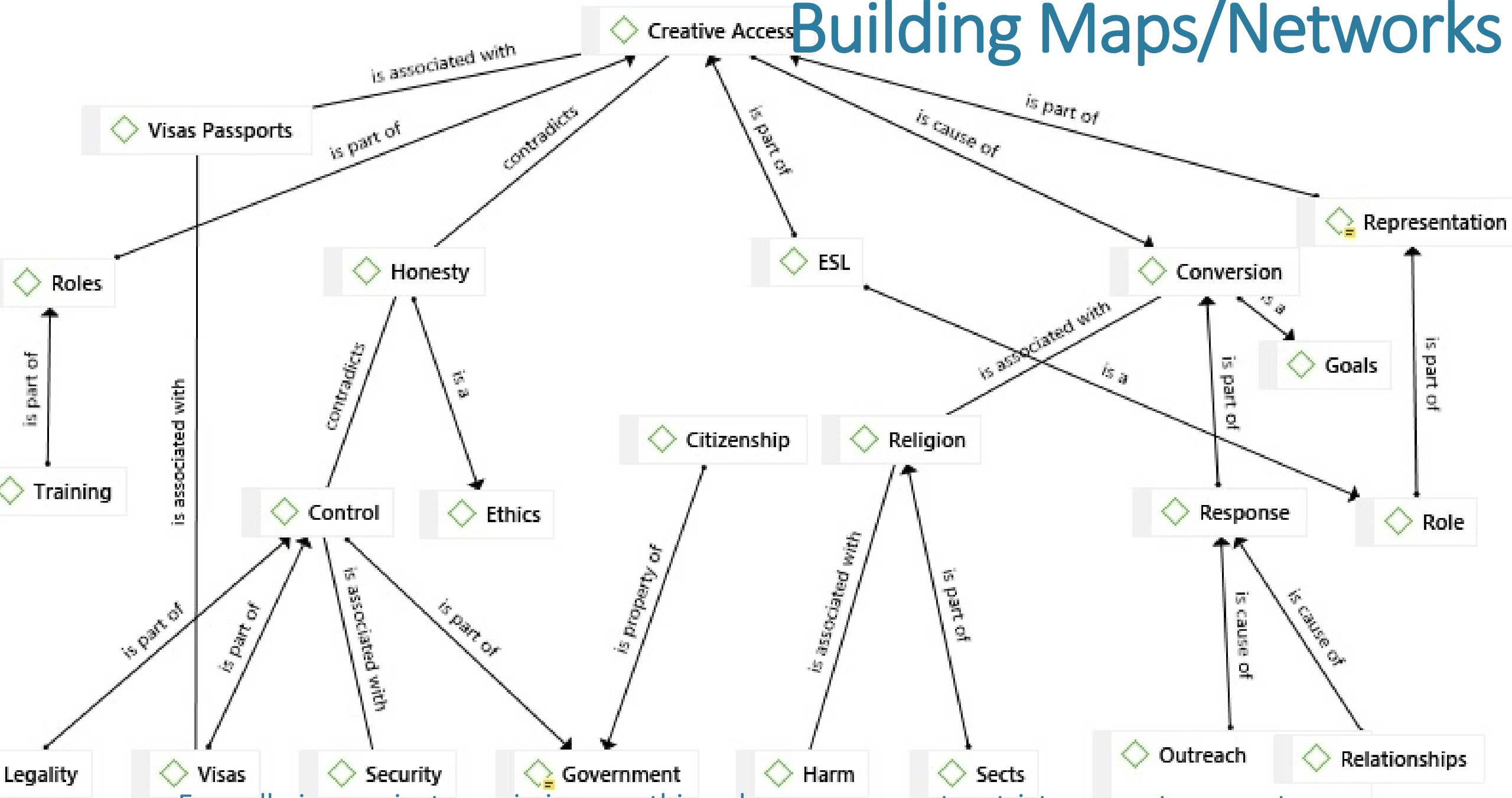
	Harm	Legality	Representation	Security	Visas
Fieldnotes Summer 2010.doc	12	10	27	11	5
NGO-2010-01 Eric.doc	0	0	4	1	0
RM-2010-03 Aqmaral.doc	6	2	0	0	1
STM-2010-01 Hannah.doc	0	1	4	3	0

Left: times coded “harm”

Below: words coded “harm”

	Harm	Legality	Representation	Security	Visas
Fieldnotes Summer 2010.doc	662	869	2016	781	648
NGO-2010-01 Eric.doc	0	0	334	112	0
RM-2010-03 Aqmaral.doc	268	164	0	0	98
STM-2010-01 Hannah.doc	0	104	245	126	0

Building Maps/Networks



Emmelhainz: project on missionary ethics when government restricts access to a country

View and save your **outputs**

Atlas.ti is not open source; it's important to archive to open formats!

- Export **code** list and code hierarchy for project archiving
- Export quotations from **query** results for analysis
- Export to SPSS
- Export coded **primary documents** to PDF for archiving

Further resources for Atlas.ti

Trial version: <http://atlasti.com/free-trial-version/>

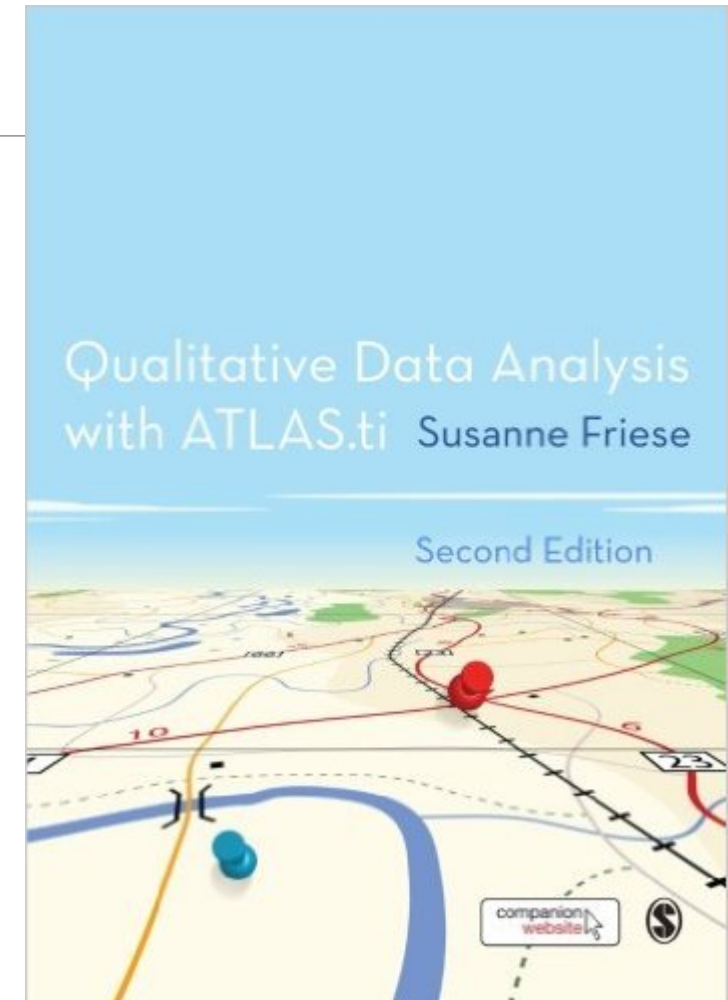
Student licenses: <http://atlasti.com/students/>

Video tutorials: <http://atlasti.com/video-tutorials/>

Quick tour and manuals: <http://atlasti.com/manuals-docs/>

Manuals: <http://atlasti.com/manuals-docs/>

Sample Projects: <http://atlasti.com/manuals-docs/#Sample-Projects>



Part 3: Questions & Feedback

