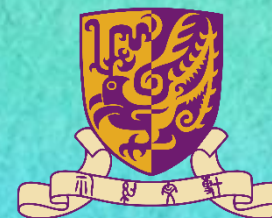
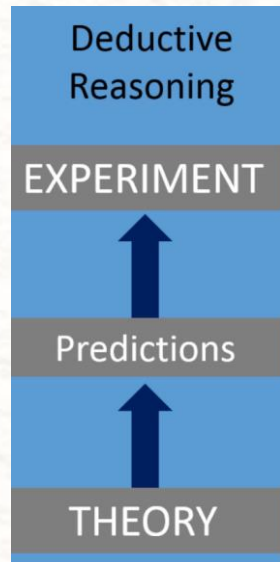


Enabling quality qualitative data analysis with evidence through NVivo for interdisciplinary research (Part II)



Paula Hodgson
The Chinese University of Hong Kong
Center for learning enhancement and research





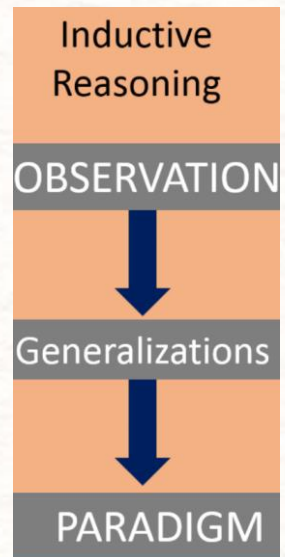
Defined/**open** framework

Defined framework

- Working on established framework / theories
- RQs
- Methodologies
- Examining sets of data based on **deductive approach**
- Comparing current data with established theories

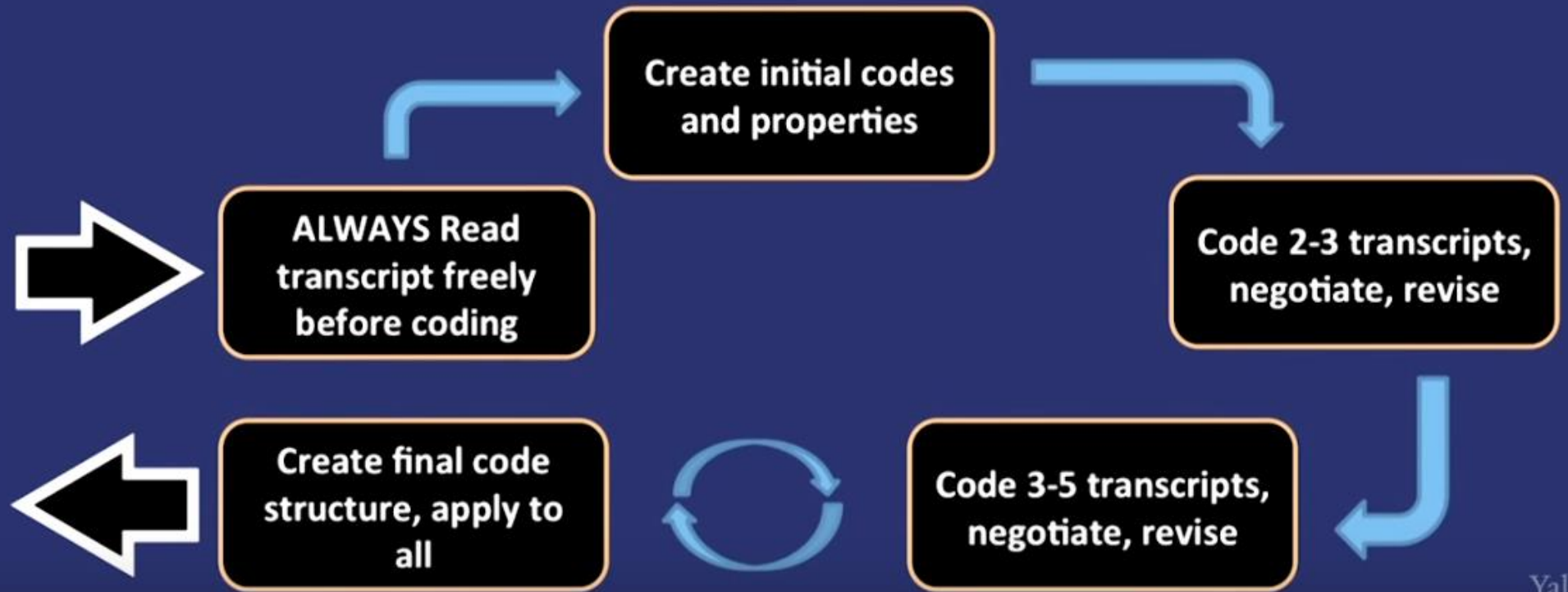
Open framework

- Exploring emerging theories
- RQs
- Methodologies
- Developing a set of codes purely based on **inductive approach**
- Identifying emerging issues or framework for further research



Coding
process

Coding is an iterative process



Yale

Credit: <https://www.youtube.com/watch?v=opp5tH4uD-w&t=103s>

Coding method

*The Coding Manual for
Qualitative Researchers*

Johnny Saldaña

Choosing Coding Methods Based on Research Question(s)

Type of Research Question	Meaning	Examples	Coding Methods (1 st Cycle Coding)
Ontological research question	Related to studying "the nature of participants' realities" (Capturing participants' realities)	✓ "What is the nature of...?" ✓ "What are the lived experiences of...?" ✓ "What is it like being...?"	<ul style="list-style-type: none">• Attribute• Emotion• In Vivo• Narrative• Process• Values• Themeing
Epistemological research question	Related to "knowing and an understanding of the phenomenon of interest" (Understanding phenomenon)	➤ "How does...?" ➤ "What does it mean to be...?" ➤ "What factors influence...?"	<ul style="list-style-type: none">• Descriptive• Evaluation• Magnitude• Narrative• Process• Themeing

Credit: https://www.youtube.com/watch?v=v_mg7OBpb2Y [43 min]

Coding method

Grounded theory: no framework
[Inductive approach]

Established framework/theories
[Deductive approach]

Deciding on How to Generate and Label Nodes/Codes

Option #1 (Bazeley & Jackson, 2013)

1. Identify relevant information in the data
2. Assign a word or phrase (a concept) that best represents the relevant information
✓ *Note:* Making sure it is consistent with the research question
3. Document why the information or node is important (i.e. taking note of your thoughts about the code – using ‘memo’ option)



Credit: <https://www.youtube.com/watch?v=JPpETphj5F4> [12.30 min]

Coding method

Inductive approach

Purely inductive, grounded method

- Participant experiences drive analysis
- Develop codes *de novo* line by line
- May employ constant comparisons
- Limits possibility of researcher forcing a preconceived result

Yale

Credit: <https://www.youtube.com/watch?v=opp5tH4uD-w&t=103s> [7.12]

Coding

Themes are unifying concepts or statements

- Identify and characterize:
 - Patterns of behaviors
 - Group interactions
 - Individual perceptions

Coding with Word

[Code description]

	CODE	DEFINITION
PART1-RES&DEST&FREEWAY		
1	AUTO	How much access does the interviewee have to private automobiles?
2	SUPPORT	Any kind of help that the interviewee receives to help with transportation
3	RECIPROCITY	Any kind of exchange relationship related to transportation
4	PURPOSE	For all the places the interviewee traveled to "yesterday," code all destinations and all trip purposes
5	FWY	How often and/or when the interviewee travels on the freeway

Maria:	(interrupting) Right now, um, we have one car right now	Cathy 2/8/10 7:56 AM Comment [1]: AUTO
Monique:	Uh-hum	
Maria:	And sometimes I would share my sister's car right now. Cuz we're trying to get another car. Um, so, as far as his work, he is always driving everywhere so, he has to. His van, he has a van, he has a painters, he's responsible for certain (inaudible). Um, so he's always like commuting to like different places, like around the bay area. That's his job a lot. So he's, yeah, <u>thats</u> what he does right now.	Cathy 2/8/10 8:33 AM Comment [2]: SUPPORT Cathy 2/8/10 7:59 AM Comment [3]: AUTO Cathy 2/9/10 10:11 AM Comment [4]: AUTO

Credit: <https://www.youtube.com/watch?v=BnDUARfEu5I> [12.28 min]

Coding with color in Word

Coding >

Forming category [themes] >

Forming framework/theory

TEXT	CODE	CATEGORY	THEORY
Man #3: And that's when I thought it was weird. Woman #2: Are you saying that's the first time you noticed? Really? Child #2: Where's my ketchup? Man #1: What's wrong with him not noticing? It's just a small thing. Woman #2: I think it's kind of small, but also kind of big. Me: It's important to realize any differences that exist. Man #4: I agree that it's not small at all, it's really, really important. Woman #1: What are we talking about again? Child #1: I like ponies. Man #5: If you all think that's important, what about the different ones? Woman #3: What different ones? I can't think of anything else. Man #5: You know, the ones that stick to the side. Man #3: And that's when I thought it was weird. Woman #2: Are you saying that's the first time you noticed? Really? Child #2: Where's my ketchup? Man #1: What's wrong with him not noticing? It's just a small thing. Woman #2: I think it's kind of small, but also kind of big. Me: It's important to realize any differences that exist. Man #4: I agree that it's not small at all, it's really, really important. Woman #1: What are we talking about again? Child #1: I like ponies. Man #5: If you all think that's important, what about the different ones? Woman #3: What different ones? I can't think of anything else. Man #5: You know, the ones that stick to the side.	code code code code code code code code code code code code code code code code code code	category category category	<pre>graph TD; CAUSE --> EFFECT1[EFFECT]; CAUSE --> EFFECT2[EFFECT];</pre>

Credit: <https://www.youtube.com/watch?v=phXssQBCDIs>

Using NVivo to code

Importing Word

Importing dataset e.g. Excel

Coding with free node

Coding with tree/child node



Importing data

[<https://goo.gl/sbPDx5>] importing document

[<https://goo.gl/zPSKxK>] importing dataset

[check whether column as classifying field or codable field]

Themes

[Tree node: Parent
node with child
nodes]

Nodes	
★	Name /
○	01 Perception on journalism
+ ○	02 Perception on newspaper & practic
+ ○	03 Personal experience
○	04 Personal awareness
+ ○	05 MOOC experience

★	Name
○	Benefit from the course
○	Doubt of journalist professionalism
○	Expectation for journalists and media
○	Experience encountering news without verification
○	Readers' preferences or habits
○	Senses of the news sources verification
○	Using social media reading or spreading news

Connecting coding structure with research question

An example

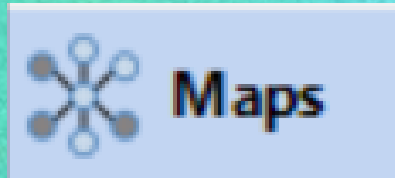
Code Structure: Understanding the Experiences of Immigrant Physicians

Research Question: What are the challenges and advantages that international medical graduates (IMG) physicians face in providing patient care within the US healthcare system?

1. Support
 - a. Colleagues/Peers
 - b. Mentors
 - c. Training/Curriculum
2. Medicine is different in the US/Focus on Professional Experiences
 - a. Culture of medicine is different (technology, million-dollar work-ups)
 - b. Patient-Physician interactions (pt autonomy, decision-making, respect)
 - c. Authority relationships
3. Bias/Discrimination
 - a. Professional opportunities/promotions/advancement
 - b. Subjected to jokes/ridicule/stereotypes
 - c. Feeling of being taken advantage of because you are an IMG
 - d. Patients/Families

Credit: <https://www.youtube.com/watch?v=opp5tH4uD-w&t=103s> [4.18]

Maps in NVivo



NVivo 11 Pro: Mapping (models)

- <https://www.youtube.com/watch?v=FP0BgbAj5K8x>

Mind map: Mind maps in NVivo- a way of creating your Node tree

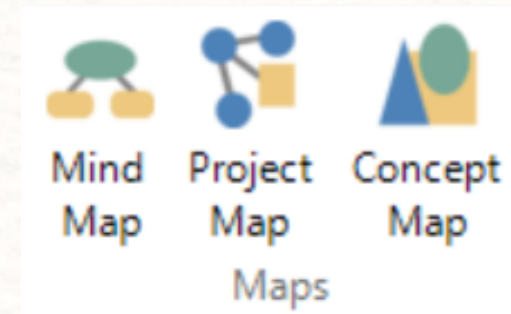
- https://www.youtube.com/watch?v=f7go_KC72FA

Concept maps

<https://www.youtube.com/watch?v=3R5gZKdOJD4>

Project Maps

- https://www.youtube.com/watch?v=4xV4H0WF_cg



Making coding from the source file

The screenshot displays a software interface for data analysis, specifically focusing on a table of source files. The interface includes a top menu bar with options like FILE, HOME, CREATE, DATA, ANALYZE, QUERY, EXPLORE, LAYOUT, and VIEW. Below the menu is a toolbar with various icons for importing and exporting data. The main window is divided into a left sidebar with navigation options (Sources, Nodes, Classifications, Collections, Queries, Reports, Maps) and a central area showing a table of source files.

The table is titled "Internals" and has columns: Name, Nodes, References, Created On, Created By, Modified On, and Modified By. The data rows show source files with IDs 1 through 6, each with a corresponding body of text. The first row (ID 1) is highlighted in blue.

ID	Colu...	user_id	g...	age	le...	mode	count...	superposter	body
1	37	2201072	m	38	m	verified	CN		7 Sure, you know, anything can happen, in China. So many of us.
2	37	2201072	m	38	m	verified	CN		7 Hi, I've been a TV reporter at CCTV6 in China, for 3 years. A good interview depends on your curiosity and concern for people. You focus on entertainment news, pop star story interviews, film promotion, or film industry reports? There are great different kind of interview subjects and need different interview techniques.
3	37	2201072	m	38	m	verified	CN		7 ![weibo picture][1] [1]: ://edxuploads.s3.amazonaws.com/14320191088610303.png
4	37	2201072	m	38	m	verified	CN		7 Reporters have a lot of incentive to conceal the source of information, and 1. In order to complete the task. Must be some reporters every month to release a number of articles, if not complete, there is no income. Delete the source of information, it can be regarded as their own interviews to get news. 2. In order to protect the source, avoiding the threat and damage from stakeholder. 3. PR articles. Stakeholders send their manuscripts to reporters, and reporters were rewritten, sent out. In order to release the economic benefits.
5	37	2201072	m	38	m	verified	CN		7 Ok, and where ?email?
6	37	2201072	m	38	m	verified	CN		7 Hello, my name is Chu Xueyou, from Beijing China. I want to share with you my a Sina Weibo post, Sina Weibo is a similar to the Facebook social networking site, there are 4 million registered users. A month ago, I

At the bottom of the table, there is a pagination bar showing "Record 1 of 65".

Making query after coding (1)

Search in
'Internal'
source or
'Selected Items'

The screenshot shows the NVivo software interface with the 'NODE' tab selected. The 'Internals' section on the left lists several sources: NVivo_dataset (16 nodes, 61 references), Patient simulation (1 node, 192 references), Transcript_nursin (5 nodes, 71 references), Transcript_nursin, Transcript_nursin, and Transcript_Univer. The 'Coding Criteria' section on the right has a 'Search in' dropdown set to 'Internals'. The 'Selected Items...' button is circled in red. Below this, the 'Select Project Items' dialog box is open, showing a tree view of project items and a table of sources.

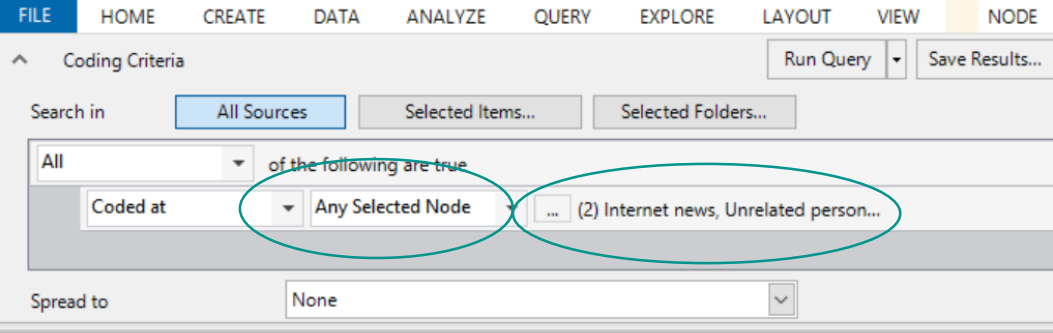
Name	Created	Modified
NVivo_dataset	1/18/2017 9:58 PM	1/19/2017 9:13 AM
Patient simulation 1998	1/17/2017 7:02 PM	1/17/2017 7:02 PM
Transcript_nursing_PH_PDF	1/18/2017 11:51 AM	1/18/2017 10:18 AM
Transcript_nursing_PH_unbold	1/17/2017 4:17 PM	1/18/2017 9:33 AM
Transcript_nursing_PH_unbold_with he	1/18/2017 12:12 PM	1/18/2017 12:12 PM
Transcript_University English	1/18/2017 9:53 PM	1/18/2017 10:57 PM

Making query after coding (2)

Select 'Any
Selected Nodes'
&
Run Query

Source:

<https://www.youtube.com/watch?v=NRSRIVBJD4I>



FILE HOME CREATE DATA ANALYZE QUERY EXPLORE LAYOUT VIEW NODE

^ Coding Criteria Run Query Save Results...

Search in All Sources Selected Items... Selected Folders...

All of the following are true

Coded at Any Selected Node ... (2) Internet news, Unrelated person...

Spread to None

<Internals\HKU04x2T2015(part1).CN.PH> - 3 references coded [2.81% Coverage]

Reference 1 - 0.66% Coverage

You focus on entertainment news, pop star story interviews, film promotion, or film industry reports? There are great different kind of interview subjects and need different interview techniques.

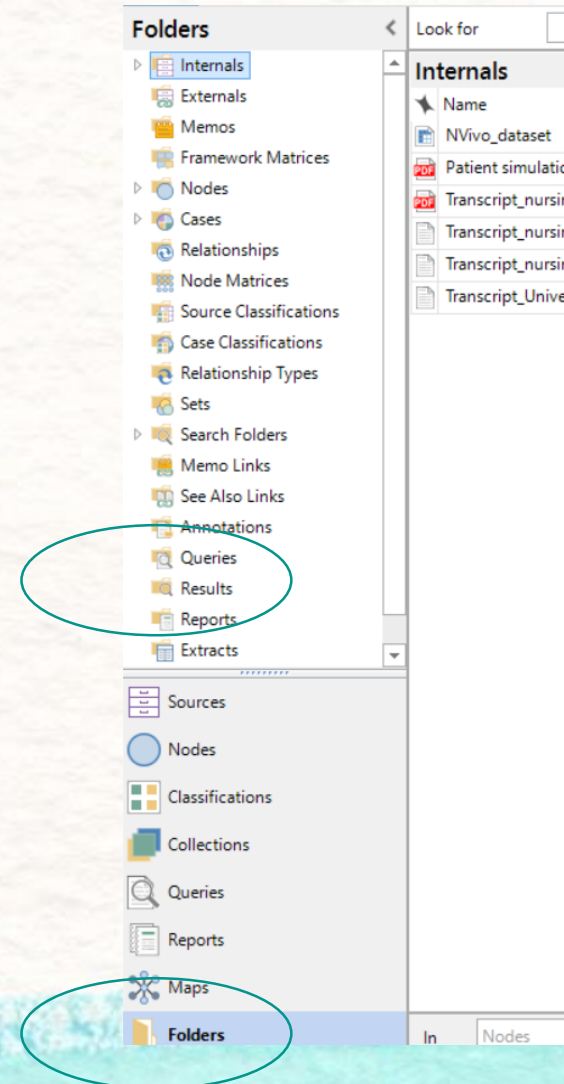
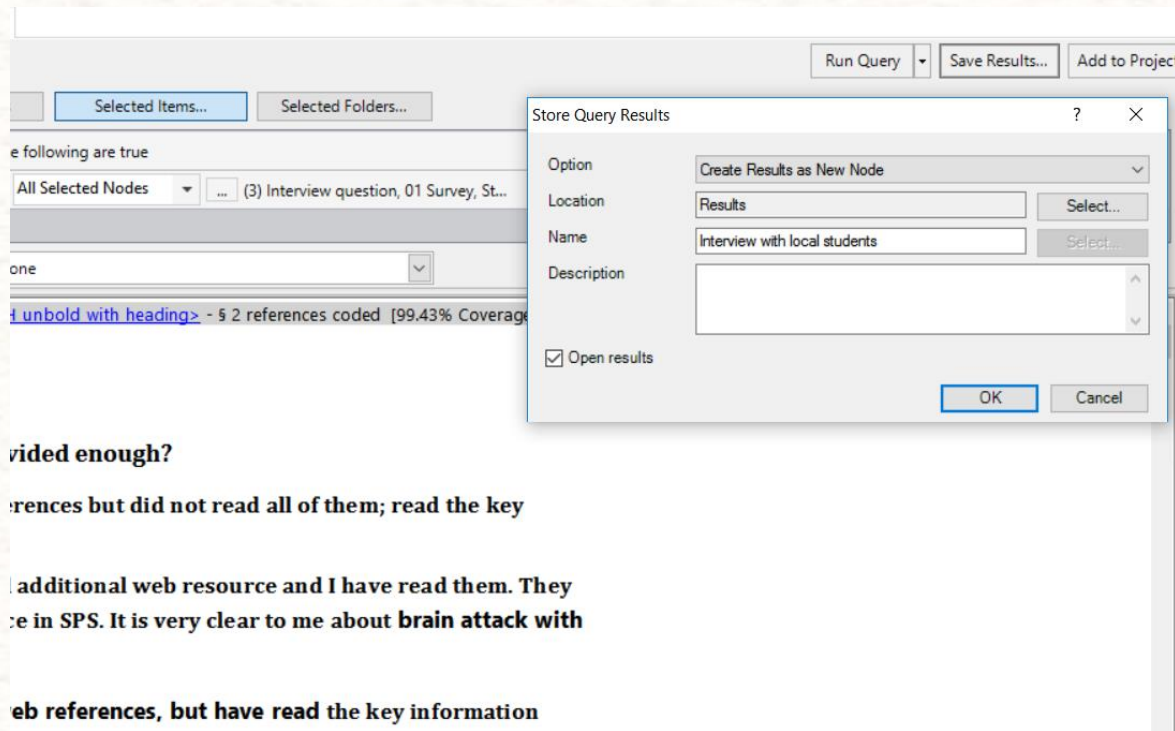
Reference 2 - 1.08% Coverage

I remembered that news. What shocked me most is the first version (I scanned on the Internet) was a rumor, and then many other rumors emerged. Key information was hidden and tampered. Sometimes news on the Internet is fragile.

Reference 3 - 1.08% Coverage

As a resident from Beijing, I feel the Parking charge is more and more expensive. Some days ago, property management company sent an E-mail to me, it is said that they will charged parking fee in the future, beacuse before is no charge. In addition, property management company charge the parking is 20RMB per an hour, so we very angry, but We have no alternative, we must accept this rules. From now on, I have to by bus every day to reduce the Parking charge. May be I am

Save results in 'Result folder' or as new node



Coding: What's
NEXT?

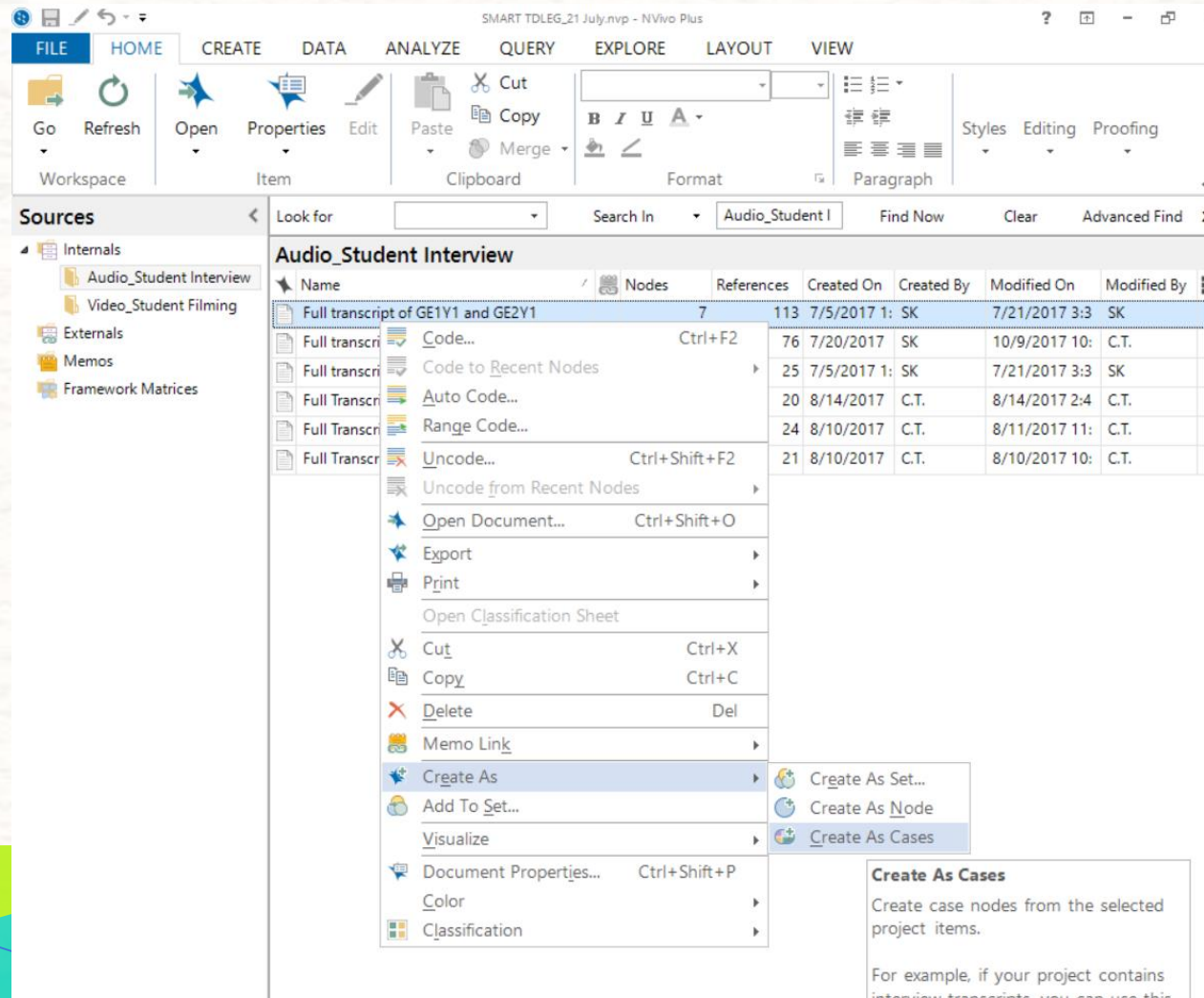
Paper drafting with themes with
supporting evidence, i.e. including
data with 'direct quotes'.



Exploring cases...

What is a case?

Creating case from source file [Word]



Defining cases:

Single individuals

Case as Category

- **Year groups** (e.g. freshman, final year)
- Stakeholders (e.g. hierarchy or responsibilities)
- Organizations (e.g. NGOs, university)
- Sectors (e.g. public, private)
- **Geographical** (e.g. countries, regions)

Setting case classification

- Create > Case classification
- Add 'New Attribute' and set 'Value'

The image shows two overlapping screenshots of the NVivo Plus software interface. The left screenshot shows the 'CREATE' menu with 'Case Classification' selected, and the 'New Attribute...' option highlighted in the context menu. The right screenshot shows the 'New Attribute' dialog box with the 'Values' tab active, displaying a table of attribute values.

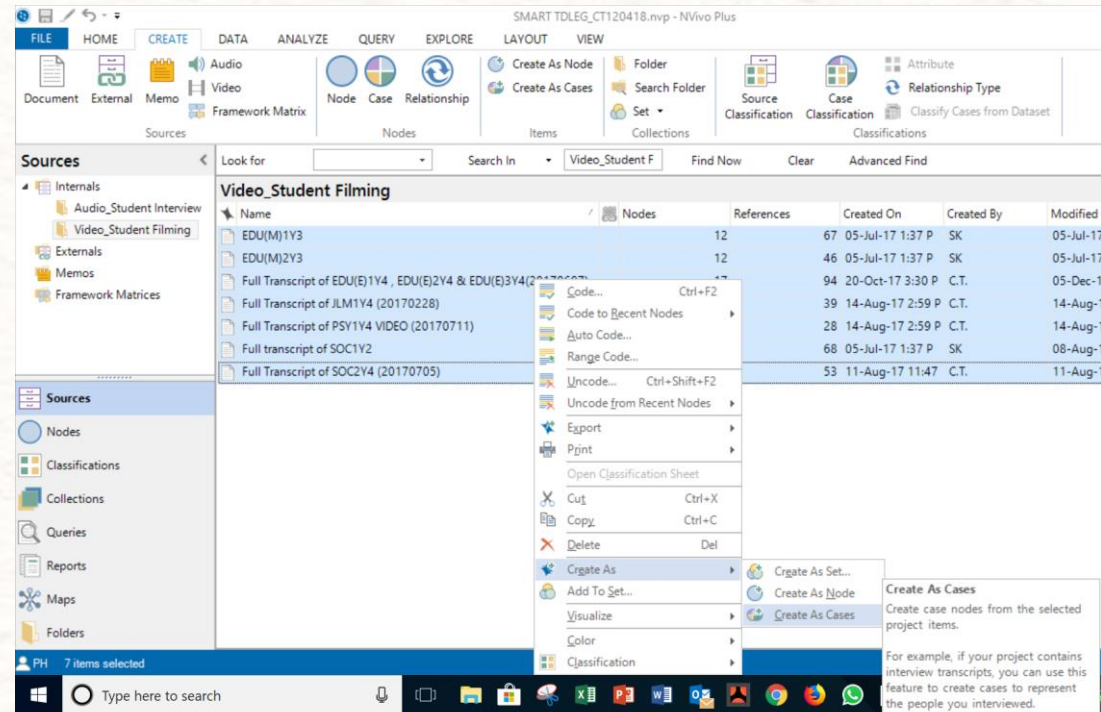
Case Classifications Table (from right screenshot):

Name	Type	Created On	Created By	Modified
Focus group_individuals		03-May-18 4:36 PM	PH	03-May-18 4:36 PM

New Attribute Dialog - Values Tab Table:

Value	Attribute Values Description	Color	Default
Unassigned		None	<input checked="" type="checkbox"/>
Not Applicable		None	<input type="checkbox"/>
*		None	<input type="checkbox"/>

Create as Cases from source files > Assign case location to the selected classification



Assign 'Value' to each case

The screenshot displays the NVivo software interface. The top ribbon includes tabs for FILE, HOME, CREATE, DATA, ANALYZE, QUERY, EXPLORE, LAYOUT, and VIEW. The 'HOME' tab is active, showing various icons for file operations (Go, Refresh, Open, Properties, Edit, Paste, Merge), formatting (B, I, U, A, text color, background color), paragraph styles, and styles. On the left, the 'Classifications' pane shows a tree view with 'Source Classifications', 'Case Classifications', and 'Relationship Types'. The 'Case Classifications' section is expanded, showing a table of cases. The table has columns for Name, Created On, Created By, and Modified On. The first row is 'Focus group_individuals' with a creation date of '03-May-18 4:36 PM' and created by 'PH'. Below this, a detailed table for 'Focus group_individuals' is shown, with columns for 'A: Majors' and 'B: Year'. The table lists 10 cases, each with a unique identifier, a description, a major, and a year.

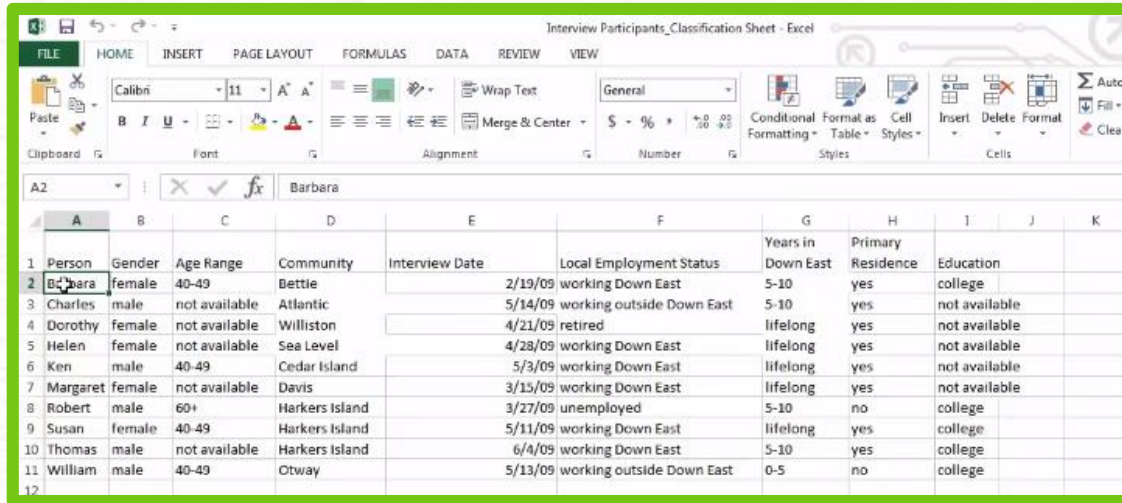
Name	Created On	Created By	Modified On
Focus group_individuals	03-May-18 4:36 PM	PH	03-May-18

	A: Majors	B: Year
1: EDU(M)1Y3	Education	Y3
2: EDU(M)2Y3	Education	Y3
3: Full Transcript of EDU(E)1Y4 , EDU(E)2Y4 & EDU(E)3Y (20170608)	Education	Y4
4: Full Transcript of GE1Y1 and GE2Y1 (20170524)	General education	Y1
5: Full transcript of GE3Y2 & GE4Y4	General education	Mixed
6: Full transcript of HTM1Y4	Hotel and tourism manage	Y4
7: Full transcript of HTMG2Y2 (20170912)	Hotel and tourism manage	Y2
8: Full Transcript of JLM1Y4 (20170229)	Journalism and communicat	Y4
9: Full Transcript of MARCH1Y2, MARCH2Y2, & MARCH3Y2 (20171014)	Pharmacy	Y2
10: Full transcript of PHA1Y2 (20170524)	Pharmacy	Y2

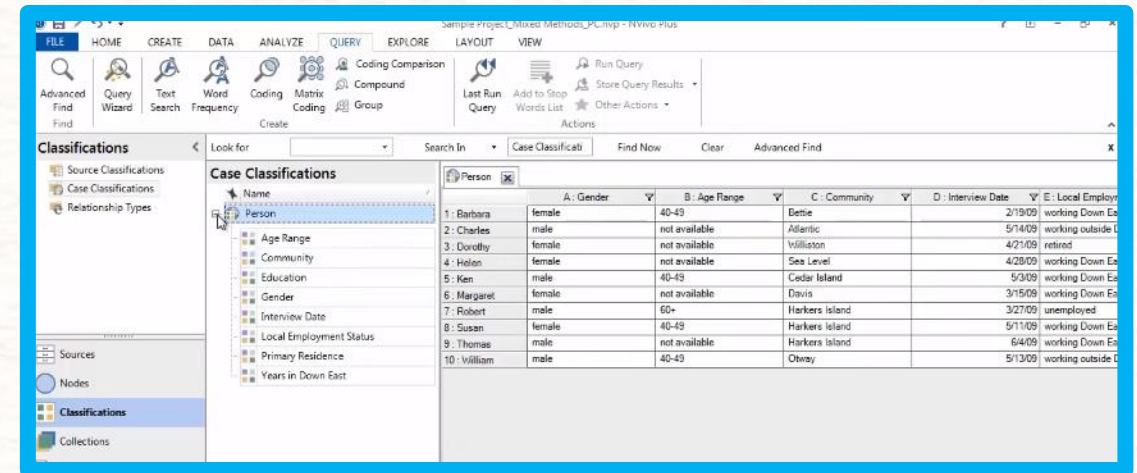
Demo:

<https://www.youtube.com/watch?v=6tuY-4HYrQk&t=1801s> [1:10~1:14]

Import case attributes [with many demographic data] from Excel



Person	Gender	Age Range	Community	Interview Date	Local Employment Status	Years in Down East	Primary Residence	Education
1 Barbara	female	40-49	Bettie	2/19/09	working Down East	5-10	yes	college
2 Charles	male	not available	Atlantic	5/14/09	working outside Down East	5-10	yes	not available
3 Dorothy	female	not available	Williston	4/21/09	retired	lifelong	yes	not available
4 Helen	female	not available	Sea Level	4/28/09	working Down East	lifelong	yes	not available
5 Ken	male	40-49	Cedar Island	5/3/09	working Down East	lifelong	yes	not available
6 Margaret	female	not available	Davis	3/15/09	working Down East	lifelong	yes	not available
7 Robert	male	60+	Harkers Island	3/27/09	unemployed	5-10	no	college
8 Susan	female	40-49	Harkers Island	5/11/09	working Down East	lifelong	yes	college
9 Thomas	male	not available	Harkers Island	6/4/09	working Down East	5-10	yes	college
10 William	male	40-49	Otway	5/13/09	working outside Down East	0-5	no	college



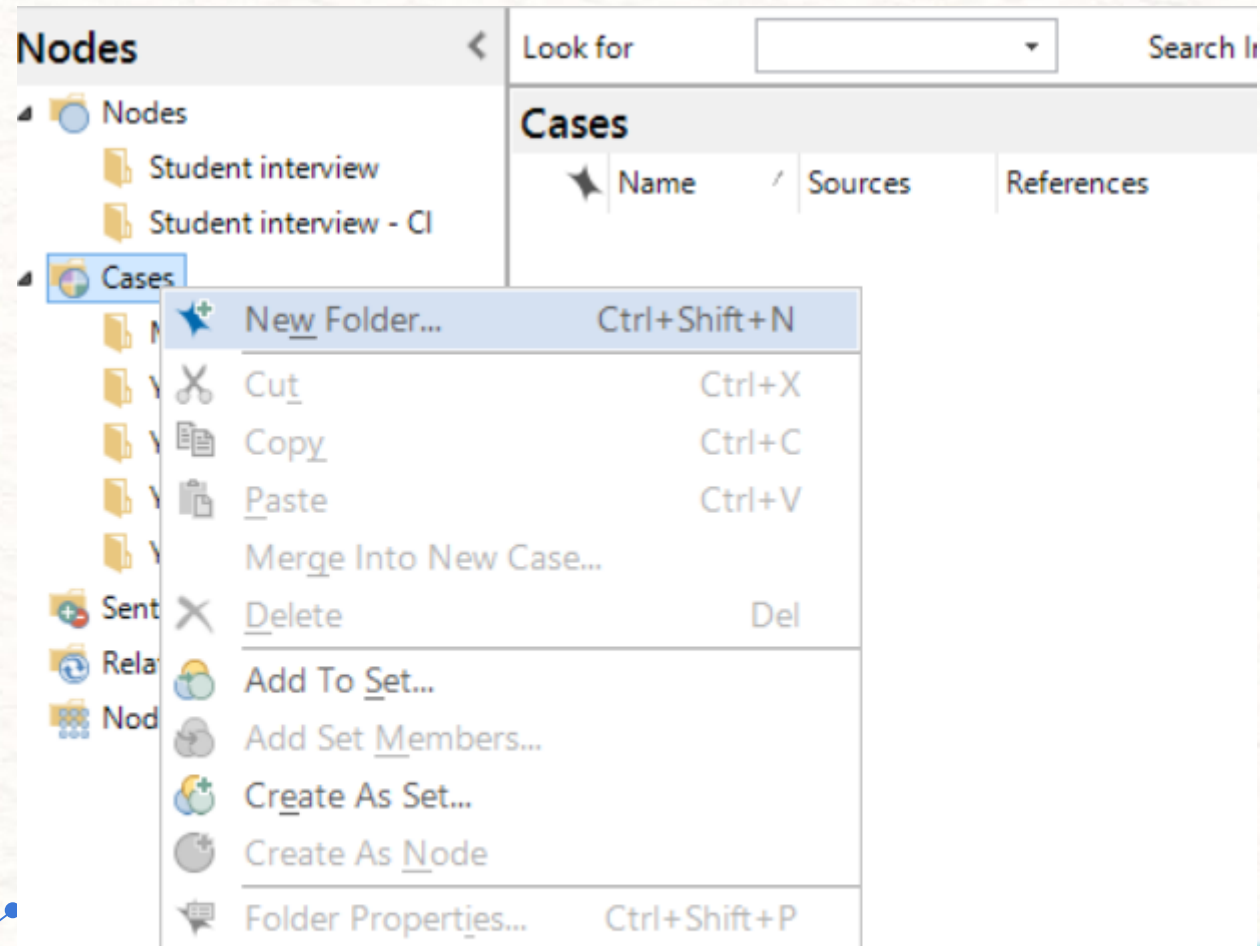
Name	A: Gender	B: Age Range	C: Community	D: Interview Date	E: Local Employment Status	F: Years in Down East	G: Primary Residence	H: Education
1: Barbara	female	40-49	Bettie	2/19/09	working Down East	5-10	yes	college
2: Charles	male	not available	Atlantic	5/14/09	working outside Down East	5-10	yes	not available
3: Dorothy	female	not available	Williston	4/21/09	retired	lifelong	yes	not available
4: Helen	female	not available	Sea Level	4/28/09	working Down East	lifelong	yes	not available
5: Ken	male	40-49	Cedar Island	5/3/09	working Down East	lifelong	yes	not available
6: Margaret	female	not available	Davis	3/15/09	working Down East	lifelong	yes	not available
7: Robert	male	60+	Harkers Island	3/27/09	unemployed	5-10	no	college
8: Susan	female	40-49	Harkers Island	5/11/09	working Down East	lifelong	yes	college
9: Thomas	male	not available	Harkers Island	6/4/09	working Down East	5-10	yes	college
10: William	male	40-49	Otway	5/13/09	working outside Down East	0-5	no	college

Credit:

https://www.youtube.com/watch?v=I9_YIHXrh88&t=1743s
[9.24-13.24]

Case as 'category'

Create 'Category: Year' folder in 'Cases'



Setting source files to folders in 'Case folder'

Nodes

Nodes

Student interview

Student interview - CI

Cases

Mixed

Y1

Y2

Y3

Y4

Sentiment

Relationships

Node Matrices

Look for

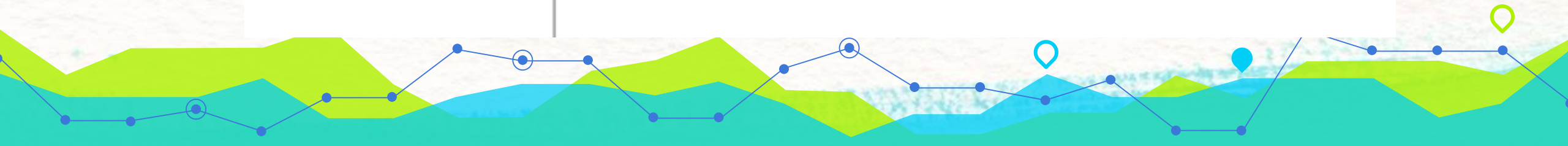
Search In

Y2

Find Now

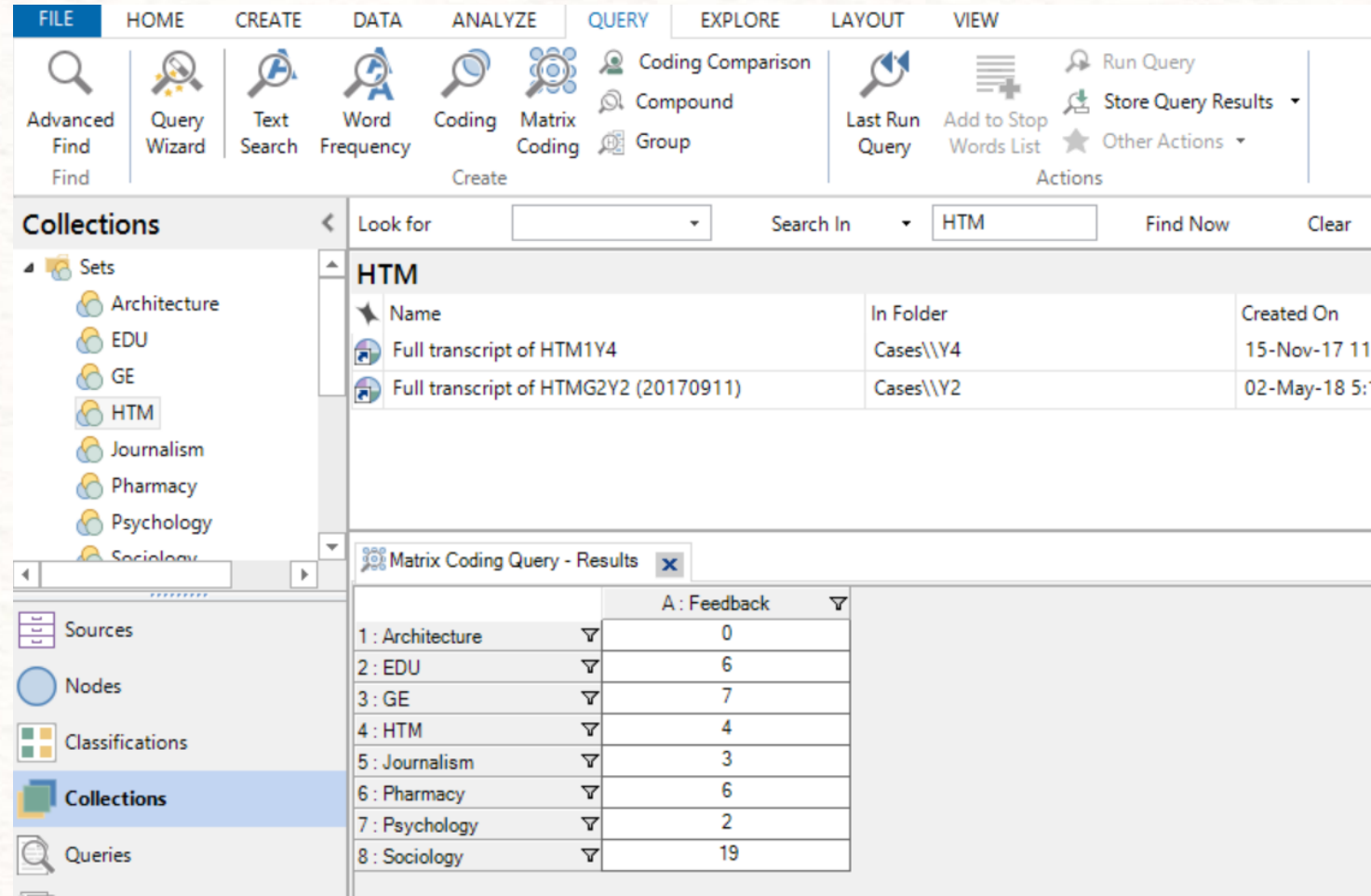
Y2

Name	Sources	References	Created By	Created On
Full transcript of SOC1Y2	1	1	PH	11/10/2017
Full Transcript of SOC3Y2 (201706	1	1	PH	11/10/2017
Full Transcript of SOC3Y2 (201706	1	1	PH	11/10/2017



Set Cases to Set

- Other sorting of groups, e.g.
 - Age range
 - Specialty
 - Gender
 - Local students
 - International students



The screenshot displays the 'QUERY' tab of a software interface. The 'Collections' pane on the left lists various sets: Architecture, EDU, GE, HTM, Journalism, Pharmacy, Psychology, and Sociology. The main area shows a search for 'HTM' with two results: 'Full transcript of HTM1Y4' and 'Full transcript of HTMG2Y2 (20170911)'. Below this, a 'Matrix Coding Query - Results' table is shown, displaying feedback scores for various sets.

	A : Feedback
1 : Architecture	0
2 : EDU	6
3 : GE	7
4 : HTM	4
5 : Journalism	3
6 : Pharmacy	6
7 : Psychology	2
8 : Sociology	19

Working with Excel
[Survey: demography
data and open-ended
responses]

What would you do
with hundreds of
responses in an Excel?

View Case Classifications

The screenshot displays the NVivo Plus interface with the 'Case Classifications' view selected. The left sidebar shows a tree view with 'Classifications' expanded. The main area shows a table of classifications for a 'Survey Respondent'. A context menu is open over the 'country' classification, showing options like 'Import Attribute Values...', 'Export', 'Print List', 'Cut', 'Copy', 'Delete', 'Move Up', 'Move Down', 'Visualize', and 'Attribute Properties...'. The 'Visualize' option is highlighted, showing a submenu with 'Chart Item Coding', 'Chart Item Coding by Attribute Value', 'Chart Sources by Attribute Value', 'Chart Nodes by Attribute Value', 'Hierarchy Chart of Attribute Value Combinations', 'Cluster Analysis of Items...', 'Compare With...', and 'Explore Diagram'.

Forum2015_top5.nvp - NVivo Plus

FILE HOME CREATE DATA ANALYZE QUERY EXPLORE LAYOUT VIEW

Go Refresh Open Properties Edit Paste Cut Copy Merge Format Paragraph Styles Editing Proofing

Classifications

Look for Search In Case Classificati Find Now Clear Advanced Find

Source Classifications Case Classifications Relationship Types

Sources Nodes Classifications Collections Queries Reports Maps Folders

PH 1 Item

Case Classifications

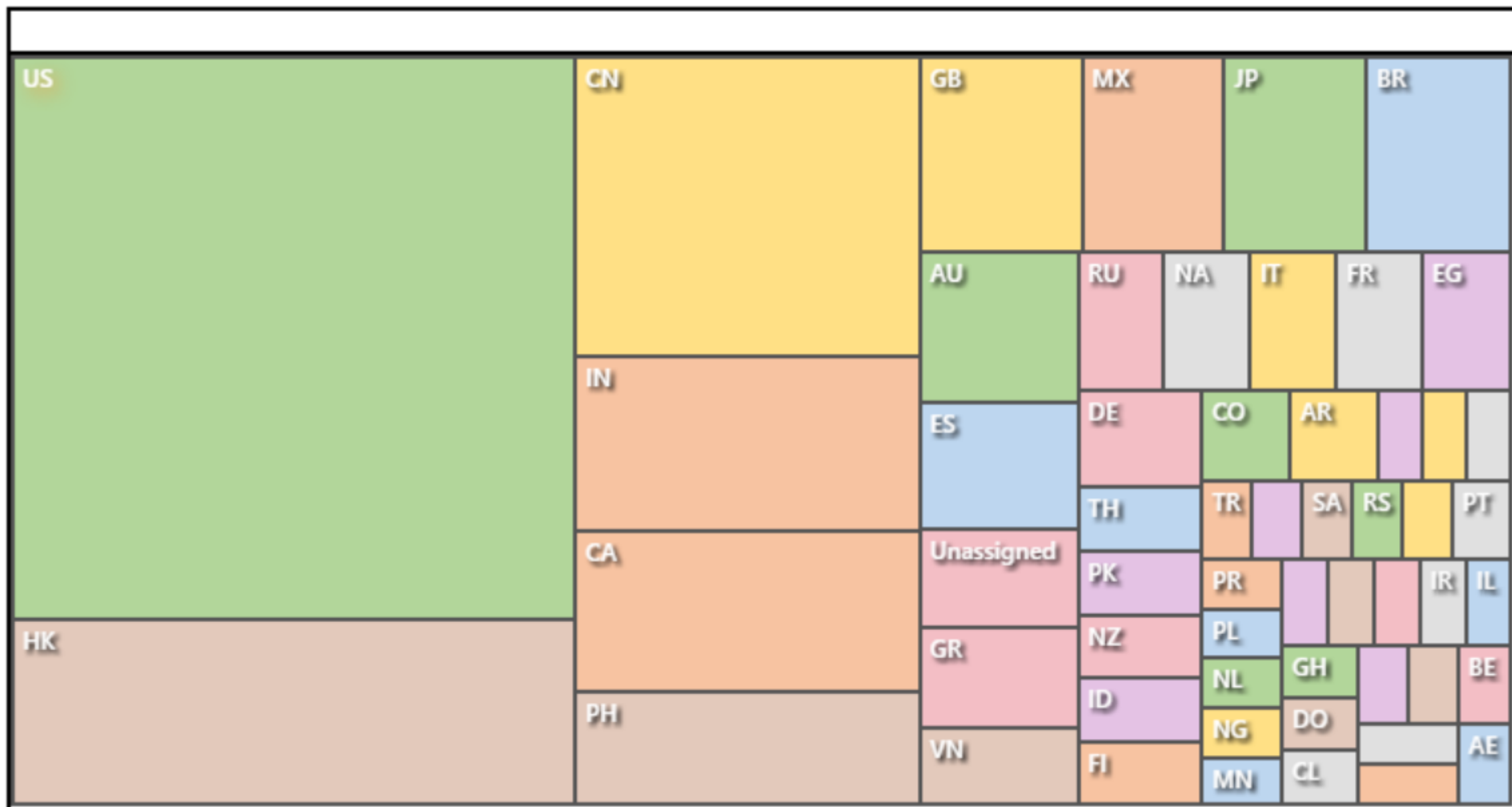
Name	Created On	Created By	Modified On	Modified By	
Survey Respondent	07-Nov-17 10:04 AM	PH	14-May-18 8:11 PM	PH	
Name	Type	Created On	Created By	Modified On	Modified By
gender	Text	07-Nov-17 10:04 AM	PH	14-Nov-17 4:26 PM	PH
age	Text	07-Nov-17 10:04 AM	PH	07-Nov-17 10:04 AM	PH
level_of_education	Text	07-Nov-17 10:04 AM	PH	11-Nov-17 8:47 PM	PH
grade	Text	07-Nov-17 10:04 AM	PH	07-Nov-17 10:04 AM	PH
mode	Text	07-Nov-17 10:04 AM	PH	11-Nov-17 8:48 PM	PH
country	Text	07-Nov-17 10:04 AM	PH	07-Nov-17 10:04 AM	PH
Created at		07-Nov-17 3:14 PM	PH	13-Nov-17 3:14 PM	PH

Import Attribute Values...
Export
Print List
Cut Ctrl+X
Copy Ctrl+C
Delete Del
Move Up Ctrl+Shift+U
Move Down Ctrl+Shift+D
Visualize
Attribute Properties... Ctrl+Shift+P

Chart Item Coding
Chart Item Coding by Attribute Value
Chart Sources by Attribute Value
Chart Nodes by Attribute Value
Hierarchy Chart of Attribute Value Combinations
Cluster Analysis of Items...
Compare With...
Explore Diagram

Type here to search

8:28 PM 14-May-18



View selected Cases [e.g. the country]

Source Classifications

Case Classifications

Relationship Types

Sources

Nodes

Classifications

Collections

Queries

Reports

Maps

Folders

Case Classifications

Name

Survey Respondent

Created On

07-Nov-17 10:04 AM

Created By

PH

Modified On

14-May-18 8:11 PM

Modified By

PH

Name

gender

age

level_of_education

Type

Text

Text

Text

Created On

07-Nov-17 10:04 AM

07-Nov-17 10:04 AM

07-Nov-17 10:04 AM

Created By

PH

PH

PH

Modified On

14-Nov-17 4:26 PM

07-Nov-17 10:04 AM

11-Nov-17 8:47 PM

Modified By

PH

PH

PH

Survey Respondent attribute v

US

HK

IN

GB

AU

VN

DE

TH

PK

NZ

ID

FI

CO

AR

TR

PT

SN

PR

SA

PL

RS

NL

RO

NG

DO

AM

AE

CA

JP

BR

GR

EG

RU

NA

IT

FR

View Cases

Export Hierarchy Chart...

Print

Copy

Select Data

Ctrl+Shift+O

Ctrl+Shift+E

Ctrl+P

Ctrl+C

View case classification of the chosen country

Survey Respondent attribute v						
Survey Respondent						
	A : gender	B : age	C : level_of_education	D : grade	E : mode	F : country
1 : 1046676	Unassigned	68	hs	0.82	verified	US
2 : 1049561	Unassigned	37	b	0.66	honor	US
4 : 1102295	Unassigned	36	m	0.88	honor	US
9 : 1374237	Unassigned	33	b	0.79	honor	US
10 : 1398849	Unassigned	54	other	0.7	honor	US
15 : 1501372	NA	NA	NA	NA	NA	US
17 : 1593195	NA	NA	NA	NA	NA	US
18 : 1606505	NA	NA	NA	NA	NA	US
19 : 1607746	NA	NA	NA	NA	NA	US
24 : 1803610	NA	NA	NA	NA	NA	US
25 : 1865037	NA	NA	NA	NA	NA	US
26 : 1948405	Unassigned	72	m	0.74	verified	US

View selected Data [select case classification e.g. age, mode of study]

The screenshot displays a software interface with a sidebar on the left containing icons for Source Classifications, Case Classifications, Relationship Types, Sources, Nodes, Classifications, Collections, Queries, Reports, Maps, and Folders. The main area is titled 'Case Classifications' and contains a table with columns: Name, Created On, Created By, Modified On, and Modified By. The table lists 'Survey Respondent' and its attributes: gender, age, and level_of_education. Below the table is a 'Survey Respondent attribute v' dropdown menu. A 'Hierarchy Chart' is shown, displaying a tree structure of countries (US, HK, IN, GB, AU, VN, DE, TH, PK, NZ, ID, MX, ES, NA, FI, CO, AR) with a context menu open over it. The context menu options are: View Cases (Ctrl+Shift+O), Export Hierarchy Chart... (Ctrl+Shift+E), Print (Ctrl+P), Copy (Ctrl+C), and Select Data. A 'Hierarchy Chart Options' dialog box is open, showing 'Classification' as 'Case Classifications\\Survey Respondent'. It has two panes: 'Available attributes' (gender, level_of_education, grade, Created at) and 'Selected attributes' (country, age, mode). The 'Scope' is set to 'All items in classification'.

Name	Created On	Created By	Modified On	Modified By
Survey Respondent	07-Nov-17 10:04 AM	PH	14-May-18 8:11 PM	PH
gender	07-Nov-17 10:04 AM	PH	14-Nov-17 4:26 PM	PH
age	07-Nov-17 10:04 AM	PH	07-Nov-17 10:04 AM	PH
level_of_education	07-Nov-17 10:04 AM	PH	11-Nov-17 8:47 PM	PH

Survey Respondent attribute v

US HK IN GB AU VN DE TH PK NZ ID MX ES NA FI CO AR

View Cases Ctrl+Shift+O
Export Hierarchy Chart... Ctrl+Shift+E
Print Ctrl+P
Copy Ctrl+C
Select Data

Hierarchy Chart Options

Select a case classification, then select the attributes you want to compare.
Move the selected attributes up or down to set the hierarchical nesting of the areas in the chart.

Classification Case Classifications\\Survey Respondent Select...

Show attributes

Available attributes
gender
level_of_education
grade
Created at

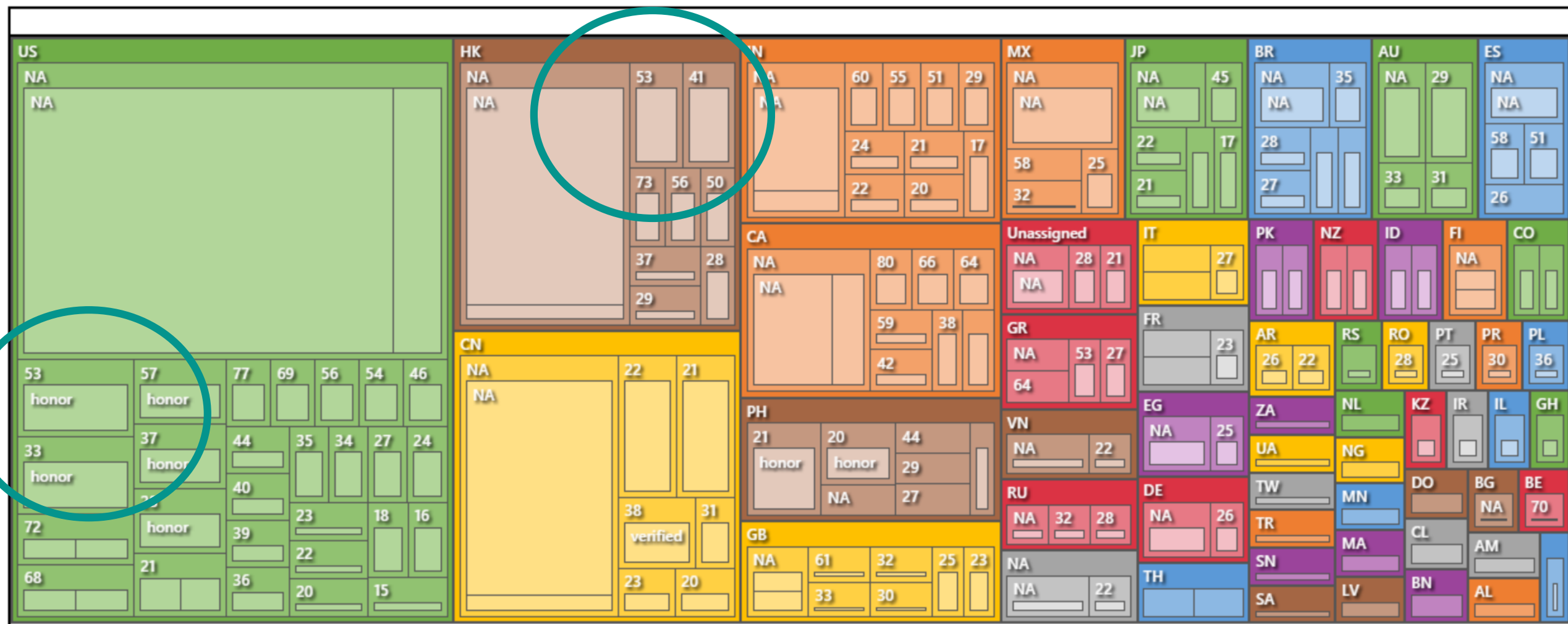
Selected attributes
country
age
mode

Up
Down

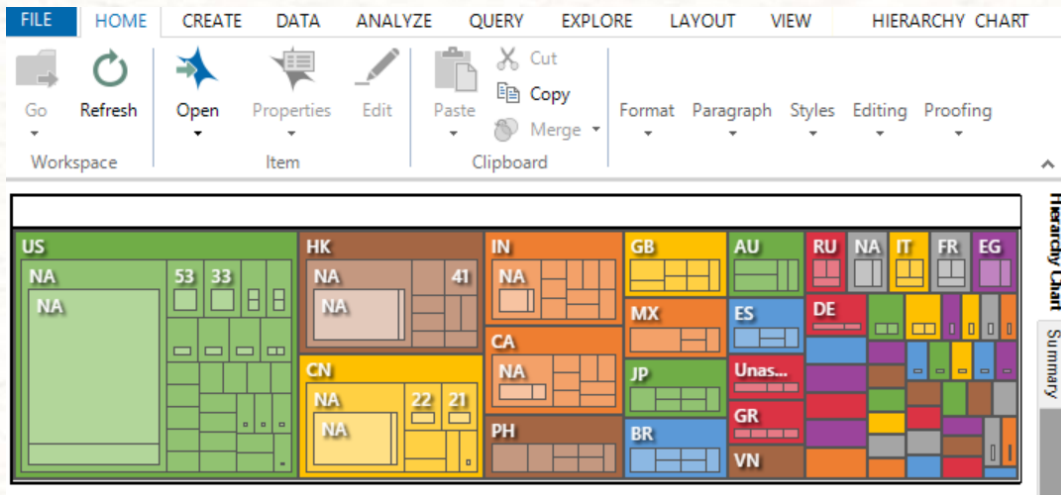
Scope All items in classification Select...

What is the age group
that complete the
MOOC in the
countries?

Age US: 53, 33, 57; HK: 53, 41



Hierarchy chart & Summary



FILE

HOME

CREATE

DATA

ANALYZE

QUERY

EXPLORE

LAYOUT

VIEW

HIERARCHY CHART

Go

Refresh

Open

Properties

Edit

Paste

Cut

Copy

Merge

Format

Paragraph

Styles

Editing

Proofing

Workspace

Item

Clipboard

country	age	mode	Number of scoped items which have that particular attribute value comb
US	NA	NA	38
HK	NA	NA	15
CN	NA	NA	14
CA	NA	NA	5
IN	NA	NA	5
US	NA	honor	5
MX	NA	NA	4
CN	22	honor	3

Hierarchy Chart

Summary

Create case from an Excel (e.g. filter country) 1

ID	level_of_education	grade	mode	country	body
16	b	0.66	honor	US	Totally agreed. unless you have confirmed s
17	NA				rest r n wr s of a er sur in wh ice, v d pas rely c
18	NA	NA	NA	JP	reporting. For a period of about three years, roughly a

Filter Dataset

Show rows

where value in column country

contains value ES

Clear Filter OK Cancel

QUERY EXPLORE LAYOUT VIEW

Zoom Layout List View List View Coding Links Detail Reference Color Scheme Visualization

body

Hi everyone! I am totally agree. For example, I am a Facebook user, just because the news I am reading in newspaper are going down. I don't want to know with the es. We come a happening get information creates awareness which in turn it is just if you to correct. I that the student just murmure correct fact. I lecture why suppose, I'm Thats great

Select Code Items

Search (CTRL+F)

- Negative-authenticity
- Negative-biased
- Negative-spreading
- News consumer
- News verification
- Positive-widening perspectives
- SM-journalists
- Spreading-positive
- Teaching
- Cases
 - CA
 - CN
 - ES
 - HK
 - HKU04x1T2015-16_PH_forum_COLOR
 - HKU04x2T2015(part1)_forum
 - IN
 - US
- Social media
- Relationships
- Sentiment

New Case OK Cancel

I'm late con some answ

I have a program that can find the genealogy of the news. Running it on some 80 spanish newspaper I can state that the real news are just 20 pages factual news instead of 3200 original pages. However what is the surrounding of the news is much bigger. Just the comments are some 1600 pages. Anyway the information flow can be detected. In fact it can be outside of the media.

Yes, because the decision of the US President can impact you and the President of Swaziland is irrelevant to you (if you don't live nearby).


Create query wizard in a case: “Social media” (e.g. filter country) 2

Welcome to the Query Wizard

What would you like to do?

☒ See where particular terms occur in content

☐ Identify frequently occurring terms in content



Query Wizard - Step 2 of 4 - Text Search Query Criteria

What terms would you like to search for?

Search for

Social media

Query Wizard - Step 3 of 4 - Text Search Query Scope

What items would you like to search in?

Search in

☐ All Sources

☒ Selected Items (e.g. Sources, Nodes, Sets)

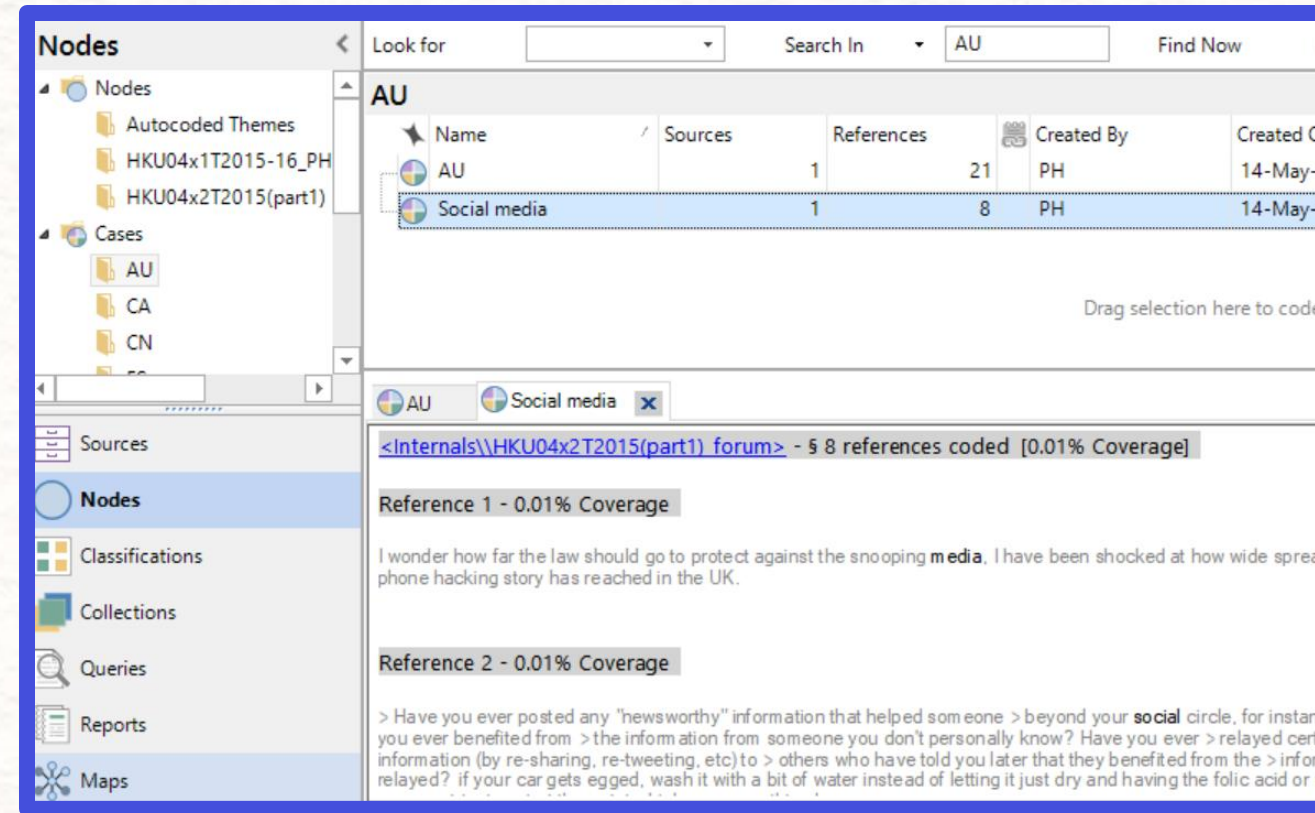
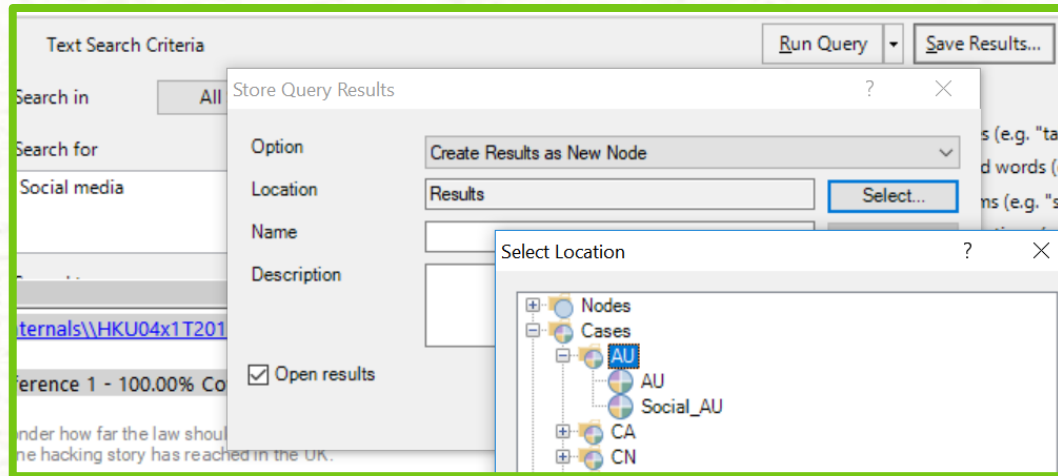
Select...

Select Project Items

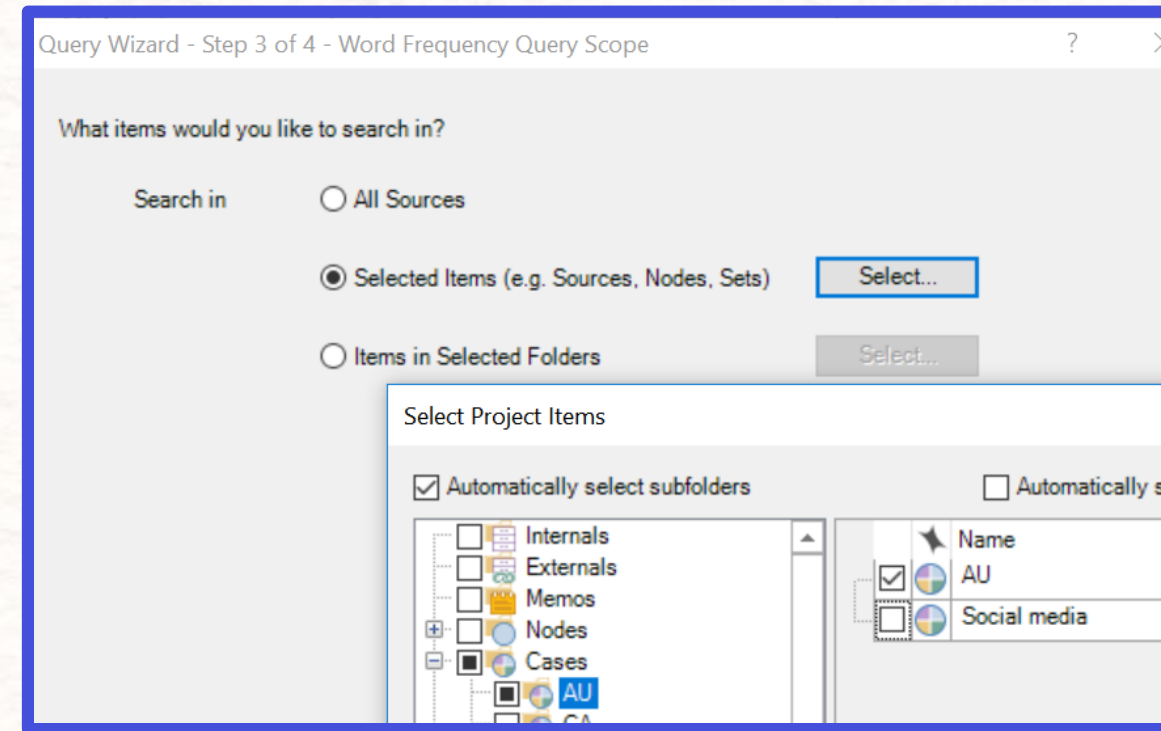
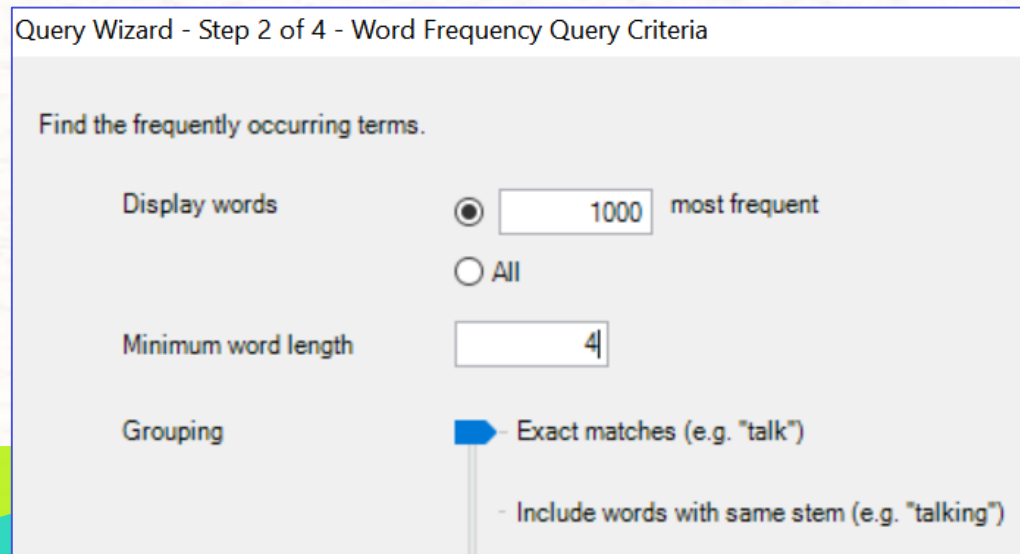
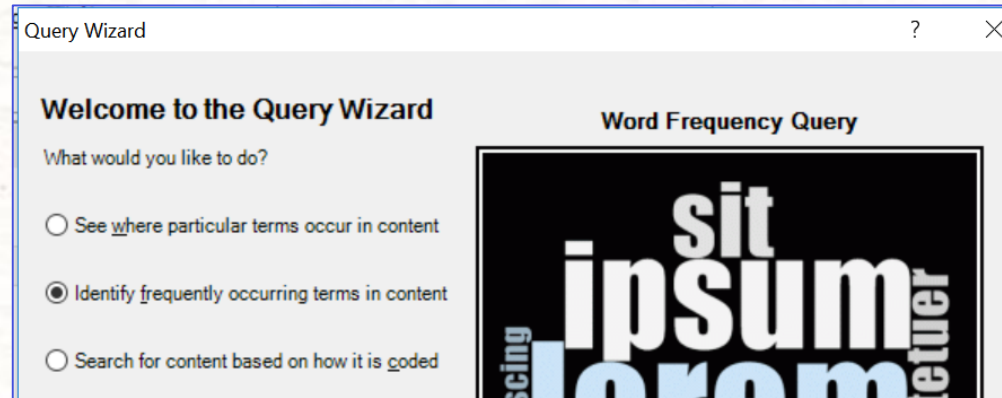
☒ Automatically select subfolders

- ☐ Internals
- ☐ Externals
- ☐ Memos
- ☐ Nodes
- ☐ Cases
- ☒ AU
- ☐ CA

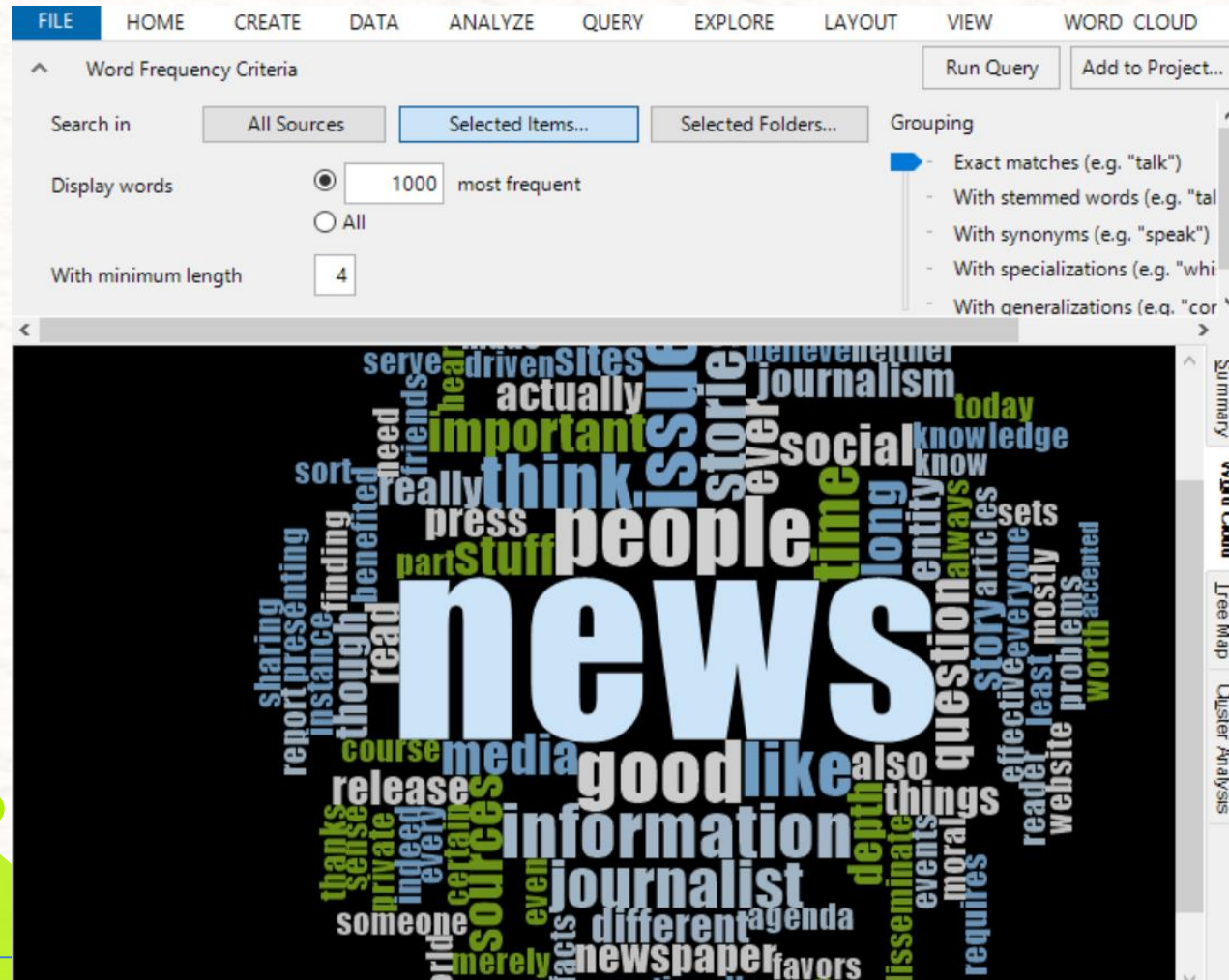
Create query wizard in a case: Text with “Social media” (e.g. filter country) 3



Create query wizard in a case: Identify frequently occurred terms (e.g. filter country) 1



What do the words relate to our research questions



Query

Presence vs absence

[Addressing patterns of prevalence,
differences between cases;
between cases and literature]

Comparing cases

The screenshot displays the NVivo Plus software interface. The top menu bar includes FILE, HOME, CREATE, DATA, ANALYZE, QUERY, EXPLORE (active), LAYOUT, and VIEW. The EXPLORE tab is selected, showing options for Reports (New Report, Run Report, New Extract, Run Extract), Maps (Mind Map, Project Map, Concept Map), Charts (Chart, Hierarchy Chart), Diagrams, Social Network Analysis, and Classification Sheets. The left sidebar shows a tree view with 'Nodes' and 'Cases'. Under 'Cases', 'HKU04x2T2015(part1)_forum' is selected. The main area shows a table with columns: Name, Sources, References, Created By, and Modified On. The table contains one row: 'body' with 1 source and 953 references, created by 'PH' on 11/7/2017 10:04 AM. A tooltip for 'Comparison Diagram' is visible, stating: 'Create a comparison diagram. Compare two sources, nodes or cases to see what they share and what is unique to each item.'

Name	Sources	References	Created By	Modified On
body	1	953	PH	11/7/2017 10:04 AM

Comparing 2 cases from the same year group: identifying commonality and differences of individuals

The screenshot displays the NVivo Plus software interface. The top menu bar includes FILE, HOME, CREATE, DATA, ANALYZE, QUERY, EXPLORE, LAYOUT, and VIEW. The EXPLORE tab is active, showing options for New Report, Run Report, New Extract, Run Extract, Mind Map, Project Map, Concept Map, Chart, and Hierarchy Chart. The main workspace shows a search for 'Y2' in the 'Nodes' section. A 'Select Project Items' dialog box is open, showing a tree view of the project structure. The 'Cases' folder is expanded, showing subfolders 'Mixed', 'Y1', 'Y2', 'Y3', and 'Y4'. The 'Y2' folder is selected, and its contents are displayed in a table. The table has columns for Name, Nickname, Created, and Modified. Two cases are listed: EDU(M)1Y3 and EDU(M)2Y3. Both cases are checked, indicating they are selected for comparison. The 'Y2' folder is also checked, indicating it is selected for comparison.

Nodes

Look for: Search In: Y2 Find Now Clear Advanced Find X

Select Project Items

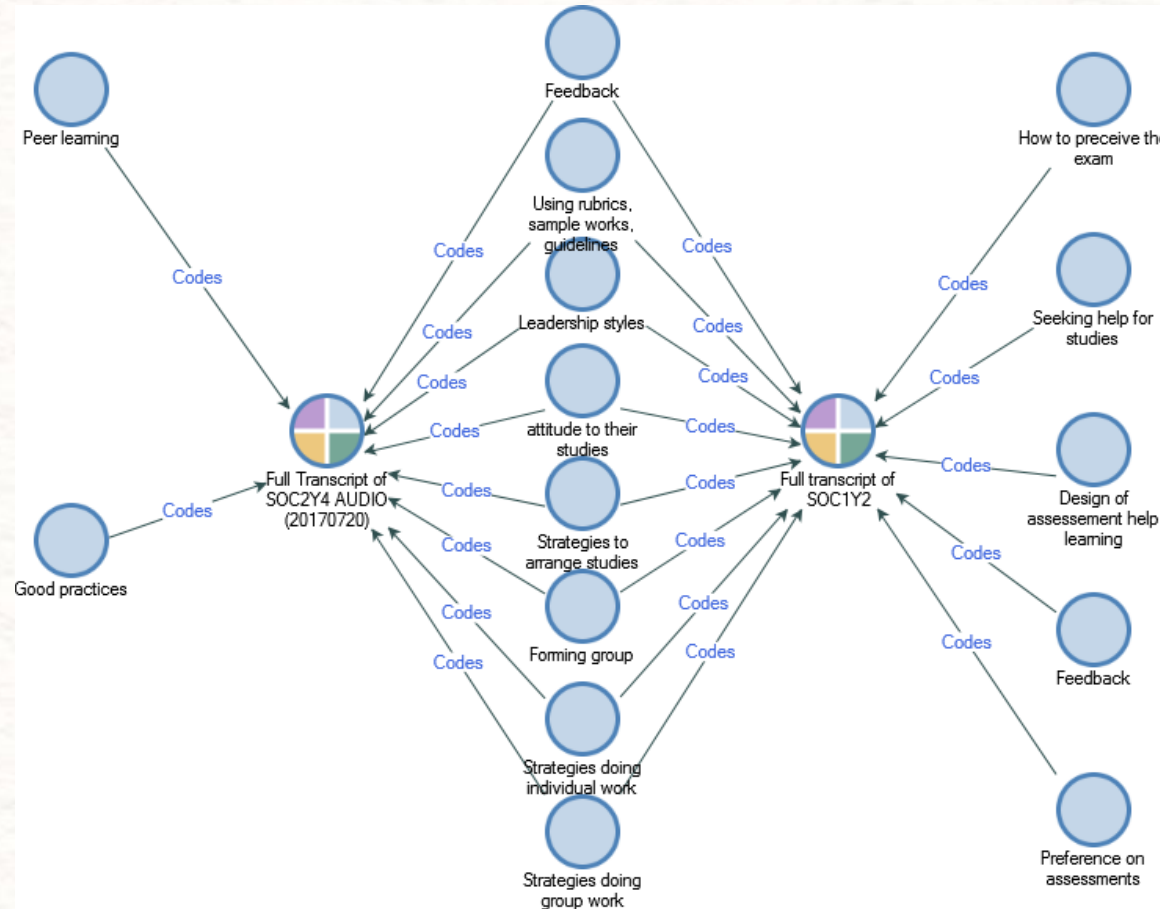
☒ Automatically select subfolders ☐ Automatically select descendant nodes

Name	Nickname	Created	Modified
<input checked="" type="checkbox"/> EDU(M)1Y3		11/10/2017 11:19 PM	11/10/2017 11:19 PM
<input checked="" type="checkbox"/> EDU(M)2Y3		11/10/2017 11:19 PM	11/10/2017 11:19 PM

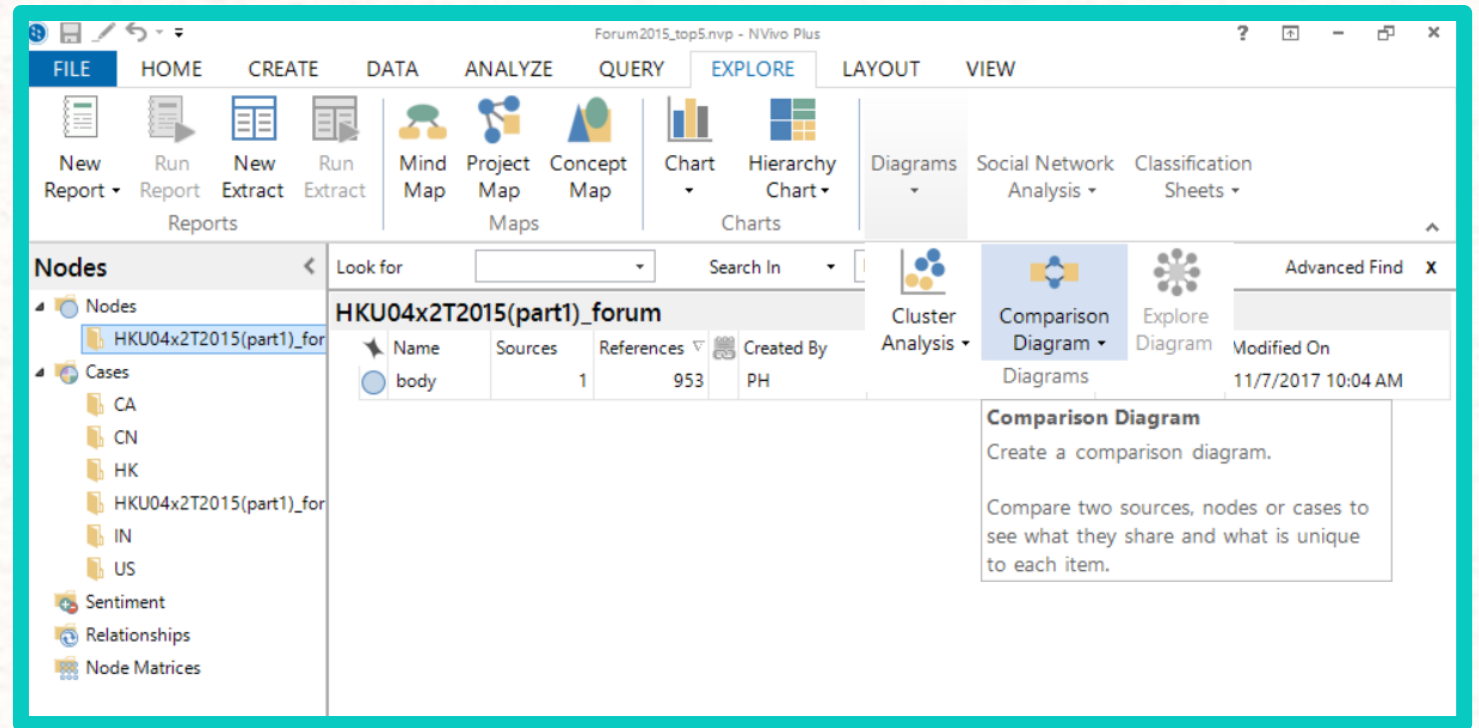
Select item from nickname

Filter Clear Filter Select All Clear OK

Comparing 2 cases: [Sociology Y4 with Y2 student] identifying commonality and differences across year group from the same discipline

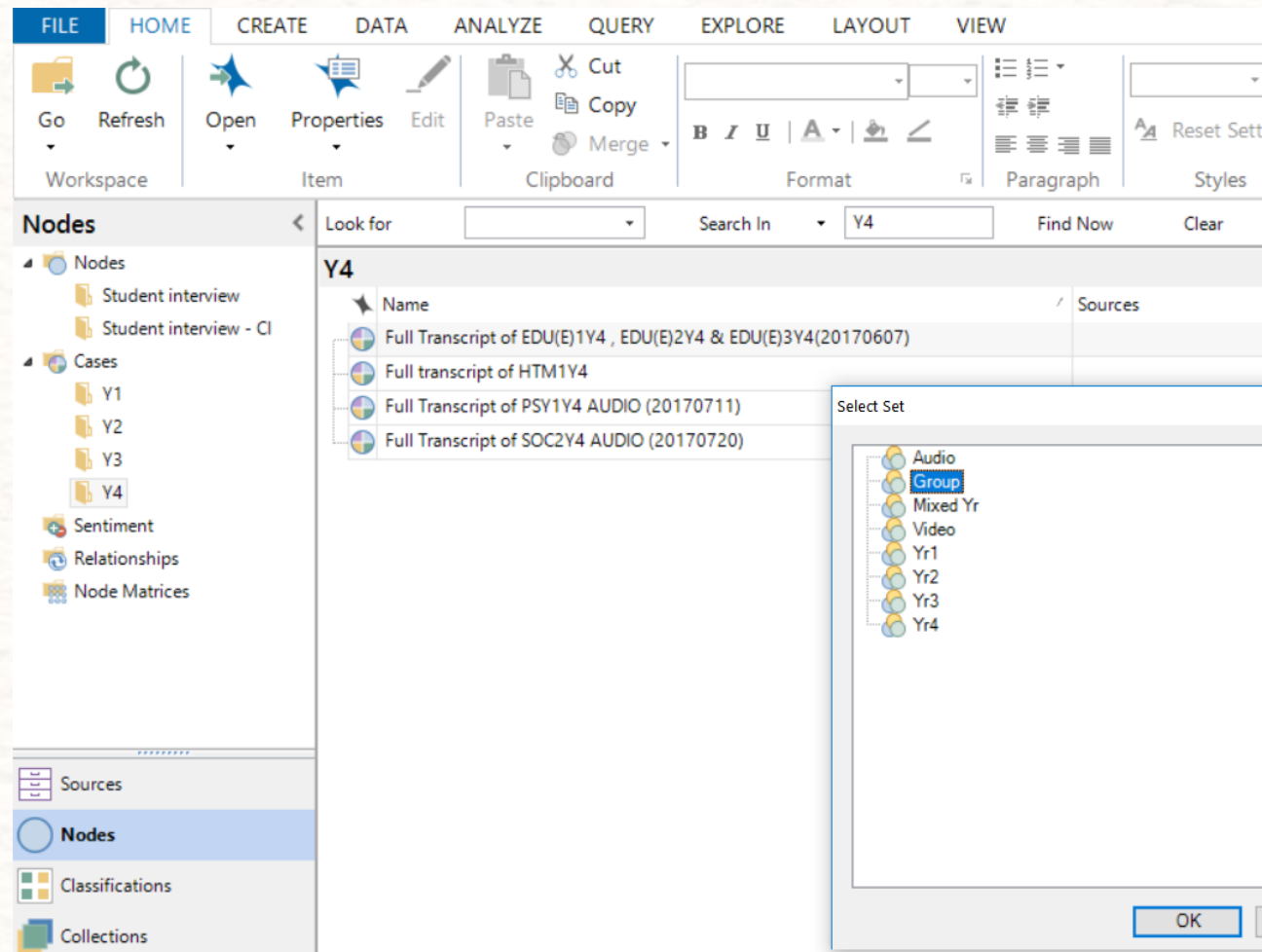


Comparing cases

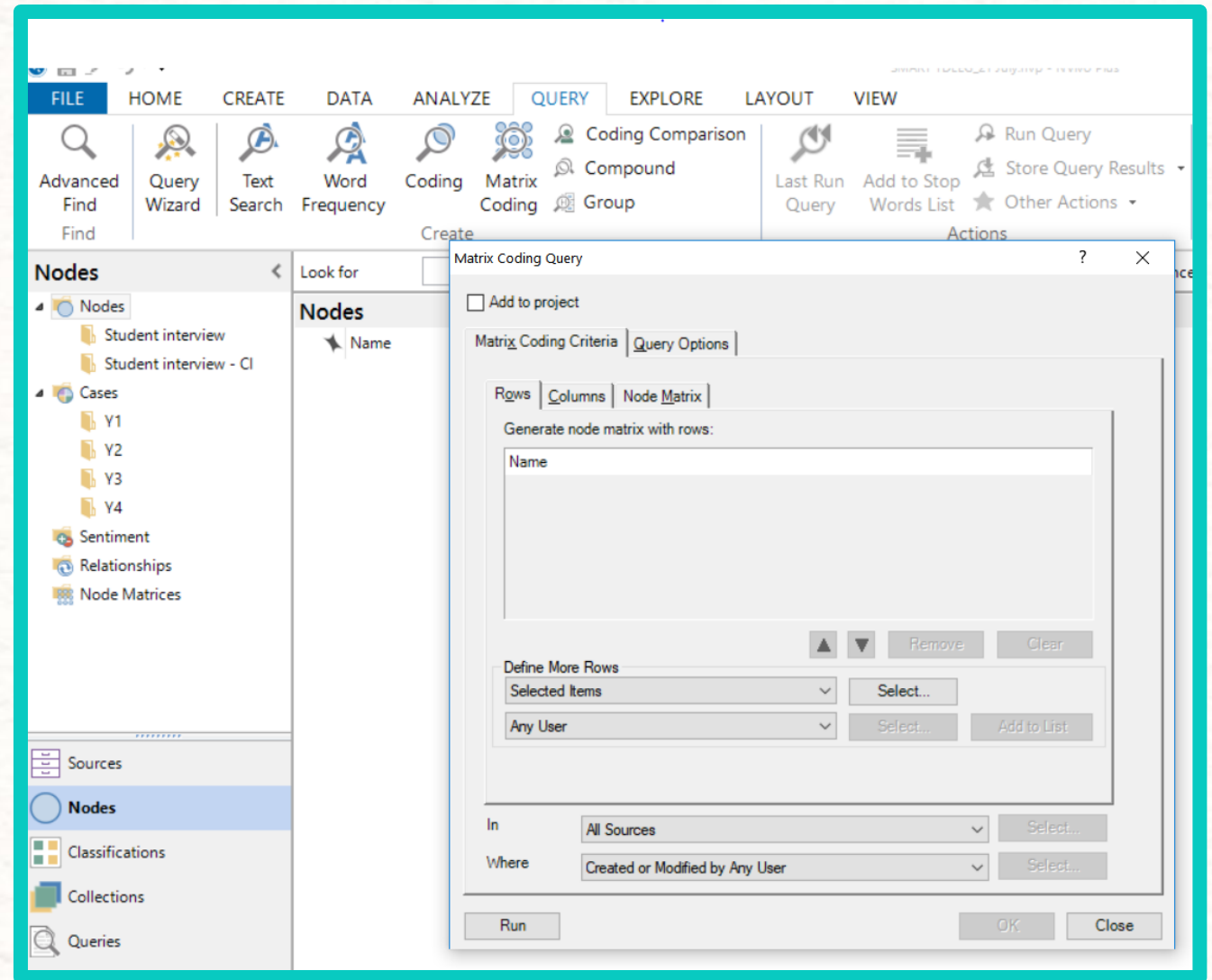


Comparing 2 ITEMS
sources
nodes
cases

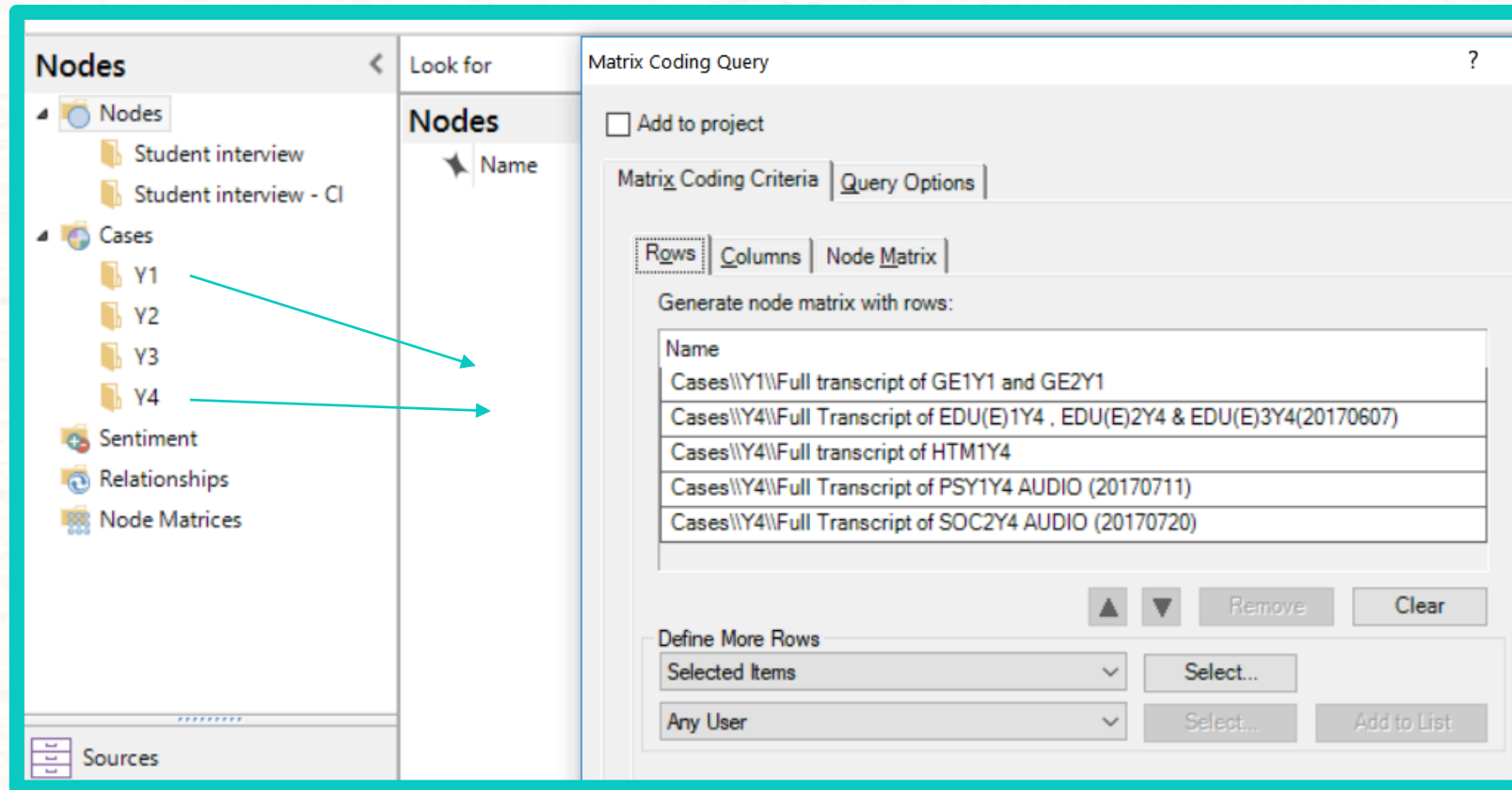
Create sets which holds more than single case (Yr 1, 2, 3, 4 student)



Query in Matrix Coding



Set cases as rows > **Add to list**



Set selected nodes as column > Add to list

The screenshot displays the NVivo software interface. The main window shows a project tree on the left with nodes like 'Student interview', 'Cases', and 'Sentiment'. The 'Matrix Coding Query' dialog is open, showing the 'Query Options' tab. The 'Columns' section is active, and the 'Node Matrix' tab is selected. The 'Generate node matrix with columns:' section is visible, with a 'Name' field. The 'Select Project Items' dialog is also open, showing a list of project items with columns for Name, Nickname, Created, and Modified. The 'Automatically select subfolders' checkbox is checked. The 'Student interview' node is selected in the tree, and its sub-items are listed in the dialog.

Matrix Coding Query

☐ Add to project

Matrix Coding Criteria | Query Options

Rows | Columns | Node Matrix

Generate node matrix with columns:

Name

Select Project Items

☒ Automatically select subfolders ☐ Automatically select descendant nodes

Name	Nickname	Created	Modified
<input type="checkbox"/> Design of assessment hel		7/10/2017 11:43 AM	10/20/2017 2:39 PM
<input checked="" type="checkbox"/> Feedback		7/5/2017 3:48 PM	10/20/2017 2:30 PM
<input type="checkbox"/> Good practices		7/17/2017 5:21 PM	8/14/2017 4:54 PM
<input type="checkbox"/> How to preceive the exam		7/10/2017 11:03 AM	8/17/2017 9:57 AM
<input type="checkbox"/> Preference on assessment		8/8/2017 11:07 AM	10/20/2017 2:44 PM
<input type="checkbox"/> Strategies doing group wor		7/5/2017 3:47 PM	7/13/2017 3:15 PM
<input checked="" type="checkbox"/> Forming group		7/10/2017 11:45 AM	8/17/2017 11:43 AM
<input checked="" type="checkbox"/> Leadership styles		7/5/2017 3:49 PM	8/14/2017 3:13 PM
<input type="checkbox"/> Peer learning		7/5/2017 3:50 PM	8/11/2017 2:59 PM
<input type="checkbox"/> Strategies doing individual		7/5/2017 3:46 PM	8/25/2017 11:20 AM
<input type="checkbox"/> Strategies to arrange studie		7/10/2017 11:06 AM	8/14/2017 3:03 PM

Select item from nickname

Filter Clear Filter Select All Clear OK Cancel

Addressing research questions:
 Which Course expresses seeking help for studies?
 Which Course has more experiences in using rubrics?

	A : Full transcript of GE1... ▾	B : Full Transcript of ED... ▾	C : Full transcript of HT... ▾	D : Full Transcript of PS... ▾	E : Full Transcript of SO... ▾
1 : Feedback ▾	15	0	0	0	3
2 : Forming group ▾	0	0	5	1	1
3 : Leadership styles ▾	0	0	3	2	1
4 : Peer learning ▾	0	0	0	0	1
5 : Seeking help for studies ▾	16	0	0	0	0
6 : Using rubrics, sample works, guidelines ▾	10	0	0	3	1

	A : Full transcript of GE1... ▾
1 : Feedback ▾	15
2 : Forming group ▾	0
3 : Leadership styles ▾	0
4 : Peer learning ▾	0
5 : Seeking help for studies ▾	16
6 : Using rubrics, sample works, guidelines ▾	10

Presence/absence [Yr 4: Coding group project-individual work]

The screenshot displays the NVivo Plus software interface. The top menu bar includes FILE, HOME, CREATE, DATA, ANALYZE, QUERY, EXPLORE, LAYOUT, and VIEW. The left sidebar shows a tree view with Sources (Internals, Externals, Memos, Framework Matrices), Nodes, Classifications, Collections, Queries, Reports, Maps, and Folders. The main window shows a 'Matrix Coding Query - Results' table. A context menu is open over the table, showing options like 'Open Node Matrix Cell', 'Export Node Matrix...', 'Print', 'Copy', 'Links', 'Cell Content', 'Cell Shading', 'Transpose', 'Row', 'Column', 'Reset Settings', 'Sort By', and 'Last Run Query...'. The 'Cell Content' submenu is also visible, showing options like 'Sources Coded', 'Cases Coded', 'Words Coded', 'Duration Coded', 'Coding References', 'Row Percentage', 'Column Percentage', and 'Coding Presence' (which is checked).

	Created By	Modified On	Modified By
1 : Full Transcript of ED...	Yes		
2 : Full transcript of HTM...	Yes		
3 : Full Transcript of JL...	Yes	Yes	No
4 : Full Transcript of PS...	Yes	Yes	Yes
5 : Full Transcript of PS...	Yes	Yes	Yes
6 : Full Transcript of SO...	Yes	Yes	Yes
7 : Full Transcript of SO...	Yes	Yes	Yes

PH 0 Items Cell content : Coding presence Unfiltered

Type here to search

6:56 PM 14-May-18

Cell content: Coding references

Word frequency Coding Matrix Coding Coding Comparison Compound Group Run Query

Create

Look for

Internals

✦ Name / Nodes

Matrix Coding Query - Results

Open Node Matrix Cell

Export Node Matrix... Ctrl+Shift+E

Print Ctrl+P

Copy Ctrl+C

Links

Cell Content

Cell Shading

Transpose

Row

Column

Reset Settings

Sort By

Last Run Query...

Store Query Results...

Sources Coded

Cases Coded

Words Coded

Duration Coded

☒ Coding References

Row Percentage

Column Percentage

Coding Presence

Modified On

Modified By

	A : Strategies doing indi	ership styles	D : Peer learning	E : using samples, rubric...	F : Strategies doing indi
1 : Full Transcript of ED...	10	1	0	6	10
2 : Full transcript of HTM...	14	5	3	0	0
3 : Full Transcript of JL...	1	1	0	0	9
4 : Full Transcript of PS...	3	1	2	0	3
5 : Full Transcript of PS...	2	1	1	0	4
6 : Full Transcript of SO...	8	1	5	2	5
7 : Full Transcript of SO...	3	1	1	0	1

Cell content: Cases coded

Word frequency Coding Matrix Coding Compound Group

Create

Look for

Internals

★ Name / Nodes

Matrix Coding Query - Results

A : Strategies doing

1 : Full Transcript of ED... ▼ 2

2 : Full transcript of HTM... ▼ 2

3 : Full Transcript of JL... ▼ 2

4 : Full Transcript of PS... ▼ 2

5 : Full Transcript of PS... ▼ 2

6 : Full Transcript of SO... ▼ 2

7 : Full Transcript of SO... ▼ 2

Open Node Matrix Cell

Export Node Matrix... Ctrl+Shift+E

Print Ctrl+P

Copy Ctrl+C

Links

Cell Content

Cell Shading

Transpose

Row

Column

Reset Settings

Sort By

Last Run Query...

Store Query Results...

Results ▼

Clear Advanced Find

Sources Coded

Cases Coded

Words Coded

Duration Coded

Coding References

Row Percentage

Column Percentage

Coding Presence

Modified On

Modified By

☒ All Cases

Focus group_individuals

ship styles ▼	D : Peer learning ▼	E : using samples, rubric... ▼	F : Strategies doing indi... ▼
2	0	2	2
2	0	0	0
2	0	0	2
2	0	0	2
2	0	0	2
2	2	0	2
2	2	0	2

Comparing sets with coding (1)

SMART TDLEG_z1 July.nvp - NVivo Plus

DATA ANALYZE **QUERY** EXPLORE LAYOUT VIEW

Word frequency Coding Matrix Coding Group Coding Comparison Compound Group Last Run Query Add to Stop Words List Run Query Store Query Results Other Actions

Create Actions

Matrix Coding Query

☐ Add to project

Matrix Coding Criteria Query Options

Rows Columns Node Matrix

Generate node matrix with rows:

Name

Define More Rows

Selected Items

Any User

Select Project Items

☒ Automatically select subfolders ☐ Automatically select descendant nodes

☐ Internals ☐ Externals ☐ Memos ☐ Nodes ☒ Student interview ☒ Student interview - CI ☐ Cases ☐ Sentiment ☐ Relationships ☐ Node Matrices ☐ Sets ☐ Results ☐ Source Classifications ☐ Case Classifications ☐ Search Folders

Name	Nickname	Created	Modified
<input checked="" type="checkbox"/> Feedback		8/4/2017 10:27 AM	8/4/2017 11:14 AM
<input checked="" type="checkbox"/> For channel back		8/25/2017 11:06 AM	8/25/2017 11:06 AM
<input checked="" type="checkbox"/> comments regarding the m		8/25/2017 11:24 AM	8/25/2017 11:30 AM
<input checked="" type="checkbox"/> regarding feedbacks		8/25/2017 11:07 AM	8/25/2017 5:09 PM
<input checked="" type="checkbox"/> rubric, guidelines and sampl		8/25/2017 11:17 AM	8/25/2017 4:14 PM

Select item from nickname

Filter Clear Filter Select All Clear OK Cancel

Comparing sets with coding (2): Select Years/Discipline as columns

DATA ANALYZE **QUERY** EXPLORE LAYOUT VIEW

Word Frequency Coding Matrix Coding Coding Comparison Compound Group Last Run Query Add to Stop Words List Run Query Store Query Results Other Actions

Create Actions

Matrix Coding Query ? X Clear Advanced Find

☐ Add to project

Matrix Coding Criteria Query Options

Rows Columns **Node Matrix**

Generate node matrix with columns:

Name

Define More Columns

Selected Items

Any User

Select Project Items

☒ Automatically select subfolders ☐ Automatically select descendant nodes

	Name	Created	Modified
<input type="checkbox"/>	Audio	11/11/2017 8:08 PM	11/11/2017 8:08 PM
<input type="checkbox"/>	Group	11/11/2017 8:07 PM	11/11/2017 8:07 PM
<input type="checkbox"/>	Mixed Yr	11/11/2017 8:04 PM	11/11/2017 8:04 PM
<input type="checkbox"/>	Video	11/11/2017 8:08 PM	11/11/2017 8:08 PM
<input checked="" type="checkbox"/>	Yr1	11/11/2017 8:01 PM	11/11/2017 9:07 PM
<input checked="" type="checkbox"/>	Yr2	11/11/2017 8:01 PM	11/11/2017 8:07 PM
<input checked="" type="checkbox"/>	Yr3	11/11/2017 8:02 PM	11/11/2017 8:06 PM
<input checked="" type="checkbox"/>	Yr4	11/11/2017 8:02 PM	11/11/2017 8:07 PM

Select item from nickname

Filter Clear Filter Select All Clear OK

Cell shading

Feedback in disciplines

FILE HOME CREATE DATA ANALYZE QUERY EXPLORE LAYOUT VIEW

Navigation View Find Quick Coding Dock All Undock All Close All Detail View Workspace

Docked Zoom Bookmarks Layout List View Coding Stripes Highlight Window List View Coding Links

Annotations See Also Links Relationships

Node Matrix

Cell Content

- Sources Coded
- Cases Coded
- Words Coded
- Duration Coded
- ☒ Coding References
- Row Percentage
- Column Percentage
- Coding Presence

Cell Shading

- None
- Blue-White
- Green-Yellow-Red
- Red-Yellow-Green
- Blue-Yellow-Red
- Red-Yellow-Blue

	A : Feedback
1 : Architecture	0
2 : EDU	6
3 : GE	7
4 : HTM	4
5 : Journalism	3
6 : Pharmacy	6
7 : Psychology	2
8 : Sociology	19

FILE HOME CREATE DATA ANALYZE

Navigation View Find Quick Coding Dock All Undock All Close All Detail View Workspace

	A : Feedback
1 : Architecture	0
2 : EDU	6
3 : GE	7
4 : HTM	4
5 : Journalism	3
6 : Pharmacy	6
7 : Psychology	2
8 : Sociology	19

Addressing research questions:

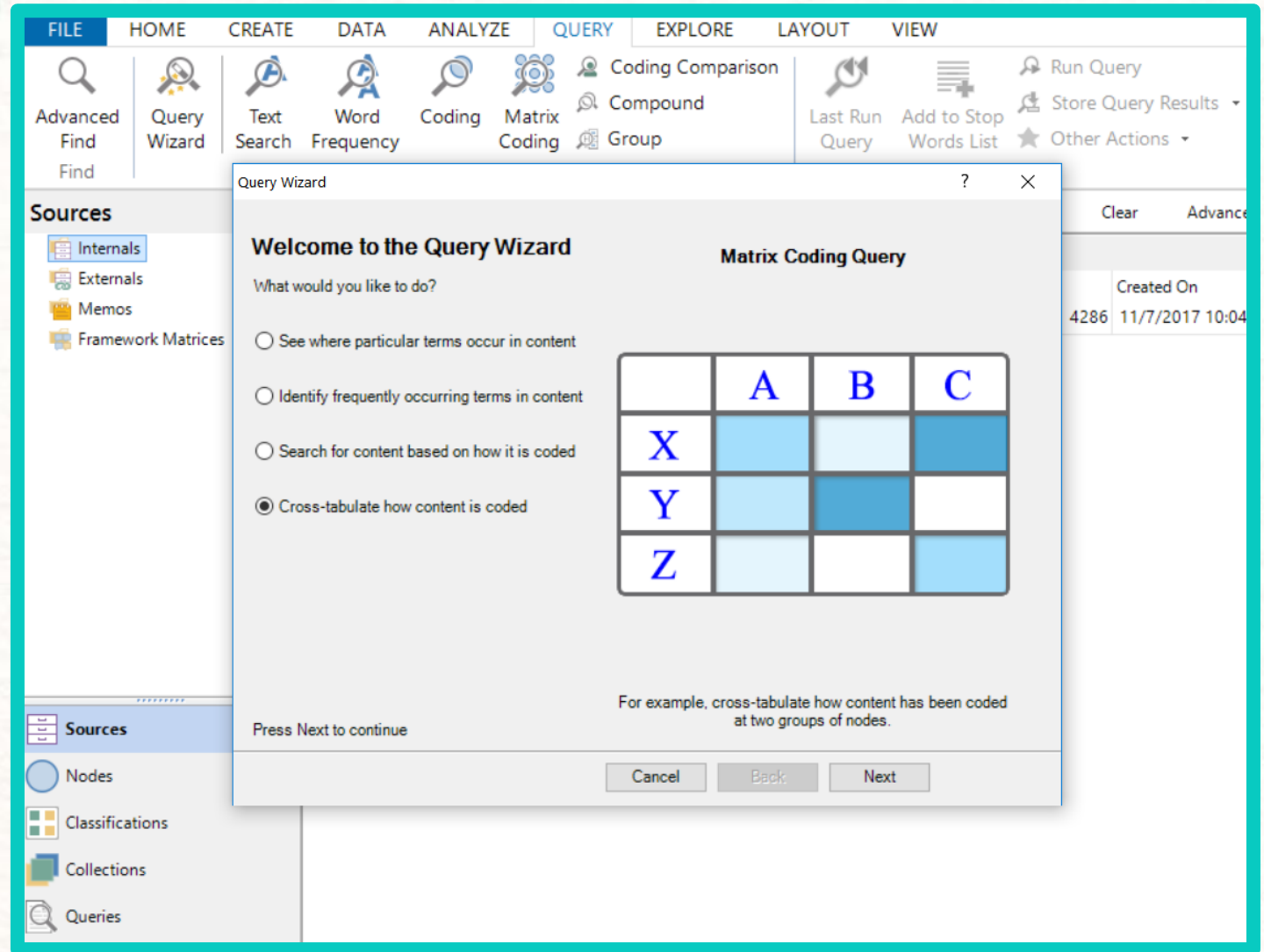
Which Year group seek strategies when doing individual work?

Which Year group has adopted varieties of strategies in doing group work?

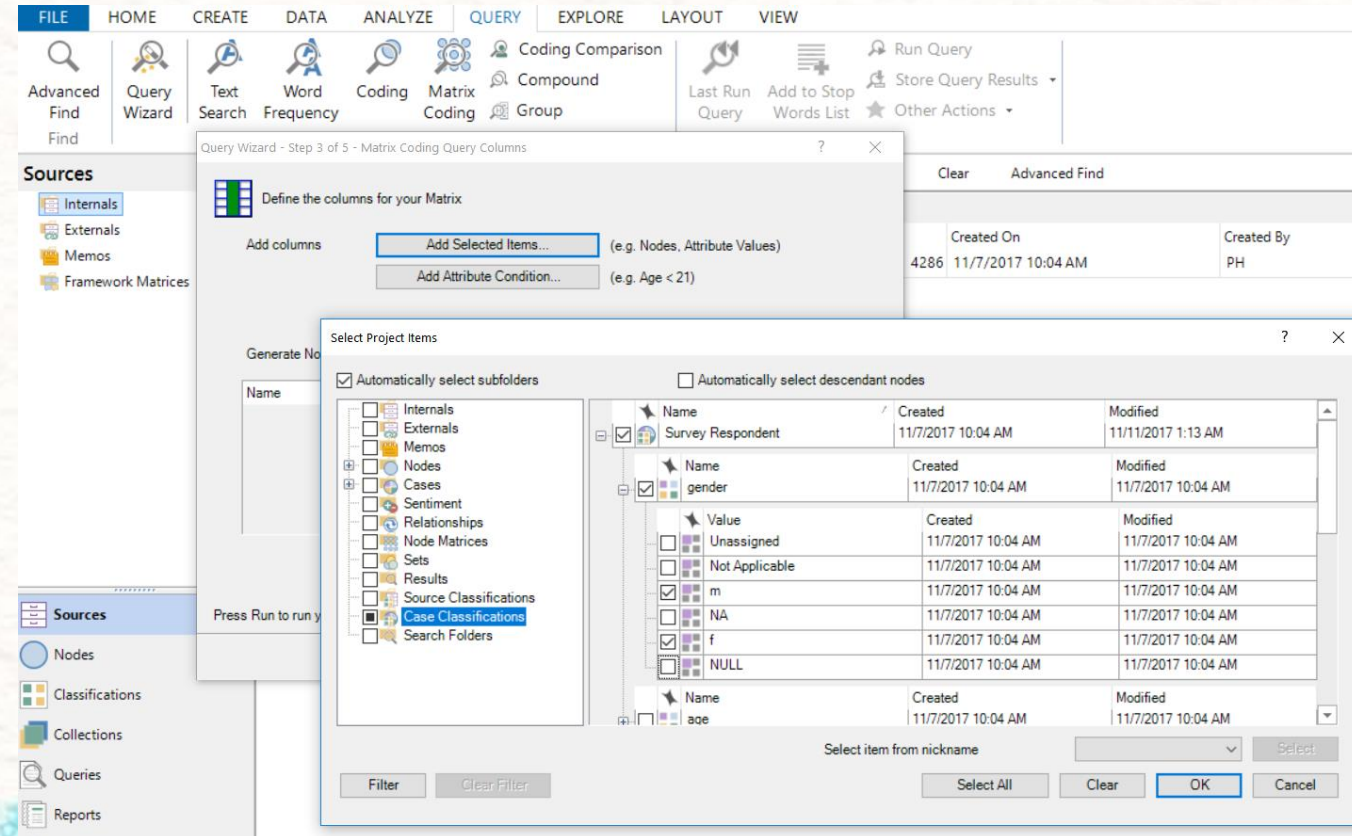
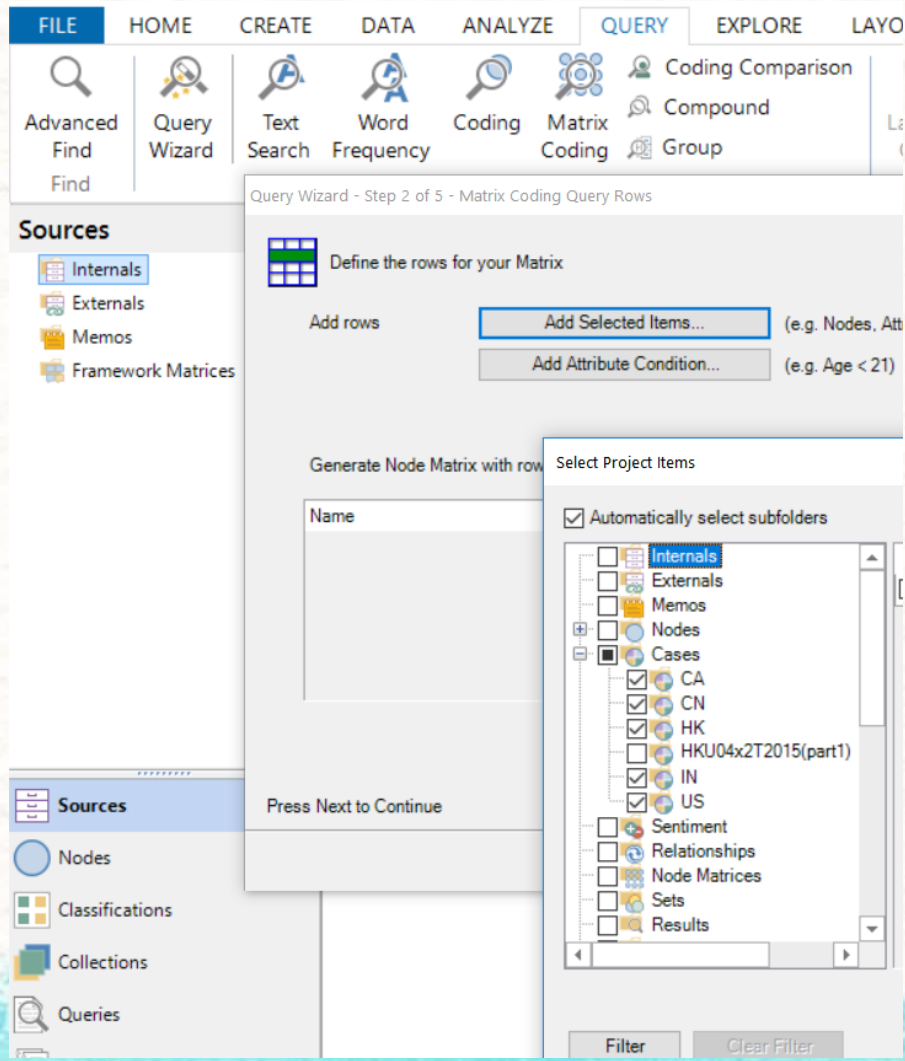
Matrix Coding Query - Results

	A : Yr1	B : Yr2	C : Yr3	D : Yr4
1 : attitude to their studies	2	2	3	10
2 : Design of assesement help learning	11	1	1	1
3 : Feedback	15	14	5	10
4 : Good practices	0	0	0	4
5 : How to preceive the exam	0	5	0	5
6 : Preference on assessments	0	1	3	1
7 : Strategies doing group work	0	8	0	31
8 : Forming group	0	4	0	10
9 : Leadership styles	0	4	0	12
10 : Peer learning	0	0	0	3
11 : Strategies doing individual work	42	10	7	21
12 : Seeking help for studies	16	3	0	0
13 : Using rubrics, sample works, guidelines	10	4	5	17
14 : Strategies to arrange studies	0	6	0	14

Query wizard



Select rows [Cases] and columns [Survey closed responses]



'Social media' with countries with **survey** classification

Research questions:

Which country has got the highest number of male comments?

Which country has got the highest number of master graduates contributing in the forum?

FILE

HOME

CREATE

DATA

ANALYZE

QUERY

EXPLORE

LAYOUT

VIEW

Advanced Find

Query Wizard

Text Search

Word Frequency

Coding

Matrix Coding

Compound

Group

Coding Comparison

Last Run Query

Add to Stop Words List

Run Query

Store Query Results

Other Actions

Find

Create

Actions

Classifications

Look for

Search In

Source Classifica

Find Now

Clear

Advanced Find

Source Classifications

Case Classifications

Relationship Types

Sources

Nodes

Classifications

Matrix Coding Query - Results

Matrix Coding Query - Results

Matrix Coding Query - Results

HKU04x2T2015(part1)_forum

	Survey Respondent:gen...	Survey Respondent:...	Survey Respondent:leve...	Survey Respondent:leve...	Survey Respondent:leve...	Survey Respondent:mo...	Survey Respondent:mo...
1: CNs	26	41	9	48	7	45	23
2: HKs	6	18	0	4	20	24	0
3: 03Social media	21	16	18	9	10	34	10
4: 05Social media-Facebook	23	16	18	9	12	35	12
5: INs	11	14	13	6	6	33	2
6: USs	51	13	15	31	15	53	13
10: 03Social media_HK	5	5	0	1	9	10	0
13: 03Social media_US	18	3	3	12	6	23	0
14: CAs	39	2	1	3	0	41	0
16: Facebook_US	2	2	0	2	1	4	0
18: Facebook_HK	0	1	0	0	1	1	0
22: 03Social media_CA	20	0	0	0	0	20	0
23: Twitter_HK	1	0	0	0	1	1	0
24: 04Facebook_IN	2	0	0	0	2	1	2
25: Twitter_IN	2	0	0	0	2	6	2
26: Twitter_US	2	0	0	2	0	2	0

Survey cases

FILE

HOME

CREATE

DATA

SOURCEZ

QUERY

EXPLORE

LAYOUT

VIEW

New Report

Run Report

New Extract

Run Extract

Mind Map

Project Map

Concept Map

Chart

Hierarchy Chart

Cluster Analysis

Comparison Diagram

Explore Diagram

Egocentric Sociogram

Network Sociogram

Source Classification Sheets

Case Classification Sheets

Reports

Maps

Charts

Diagrams

Social Network Analysis

Classification Sheets

Look for

Search In

Internals

Find Now

Clear

Advanced Find

Internals

Survey Respondent

HKU04x2T2015(part1)_forum

Name / Node

HKU04

3

A : gender

B : age

C : level_of_education

D : grade

E : mode

F : country

1 : 1046676

m

68

hs

0.82

verified

US

2 : 1049561

m

37

b

0.66

honor

US

3 : 1084733

NA

NA

NA

NA

NA

JP

4 : 1102295

m

36

m

0.88

honor

US

5 : 1171971

m

37

b

0.76

honor

HK

6 : 1299655

m

NA

Unassigned

0.8

honor

CA

7 : 1300615

m

64

b

0.56

honor

GR

8 : 1337886

NA

NA

NA

NA

NA

ES

9 : 1374237

m

33

b

0.79

honor

US

10 : 1398849

m

54

other

0.7

honor

US

11 : 1406706

m

44

b

0.77

honor

PH

12 : 1427266

m

26

hs

0.43

honor

BR

13 : 1469076

NA

NA

NA

NA

NA

IN

Filter parameter (1)

The screenshot displays the NVivo Plus software interface. The main window shows a data table with columns A through F. A dialog box titled 'Classification Filter Options' is open, allowing users to filter data based on specific criteria.

Classification Filter Options

Show

where value in column

is

☒ value

☐ value in column

	A : gender	B : age	C : level_of_education	D : grade	E : mode	F : country
1 : 1046676	m	68	hs	0.82	verified	US
2 : 1049561	m	37	b	0.66	honor	US
3 : 1084733	NA	NA	NA	NA	NA	JP
4 : 1102295	m	36				US
5 : 1171971	m	37				HK
6 : 1299655	m	NA				CA
7 : 1300615	m	64				GR
8 : 1337886	NA	NA				ES
9 : 1374237	m	33				US
10 : 1398849	m	54				US
11 : 1406706	m	44				PH
12 : 1427266	m	26				BR
13 : 1469076	NA	NA				IN
14 : 1486486-t	NA	NA				HK
15 : 1501372	NA	NA				US
16 : 1588929	m	39	m	0.57	honor	MA
17 : 1593195	NA	NA	NA	NA	NA	US
18 : 1606505	NA	NA	NA	NA	NA	US
19 : 1607746	NA	NA	NA	NA	NA	US
20 : 1616251	NA	NA	NA	NA	NA	UA
21 : 1635898	m	51	m	0.72	honor	IN
22 : 1657567	m	26	a	0.02	honor	PK
23 : 1783683	m	42	b	0.2	honor	CA
24 : 1803610	NA	NA	NA	NA	NA	US
25 : 1865037	NA	NA	NA	NA	NA	US
26 : 1948405	m	72	m	0.74	verified	US
27 : 1962485	m	30	m	0.79	honor	PR
28 : 2033197	m	40	hs	0.76	honor	US
29 : 2090634	NA	NA	NA	NA	NA	BN
30 : 2090634	NA	NA	NA	NA	NA	US

Filter parameter (2)

Forum2015_top5.nvp - NVivo Plus

ANALYZE QUERY **EXPLORE** LAYOUT VIEW

Project Map Concept Map Chart Hierarchy Chart Cluster Analysis Comparison Diagram Explore Diagram Egocentric Sociogram Network Sociogram Source Classification Sheets Case Classification Sheets

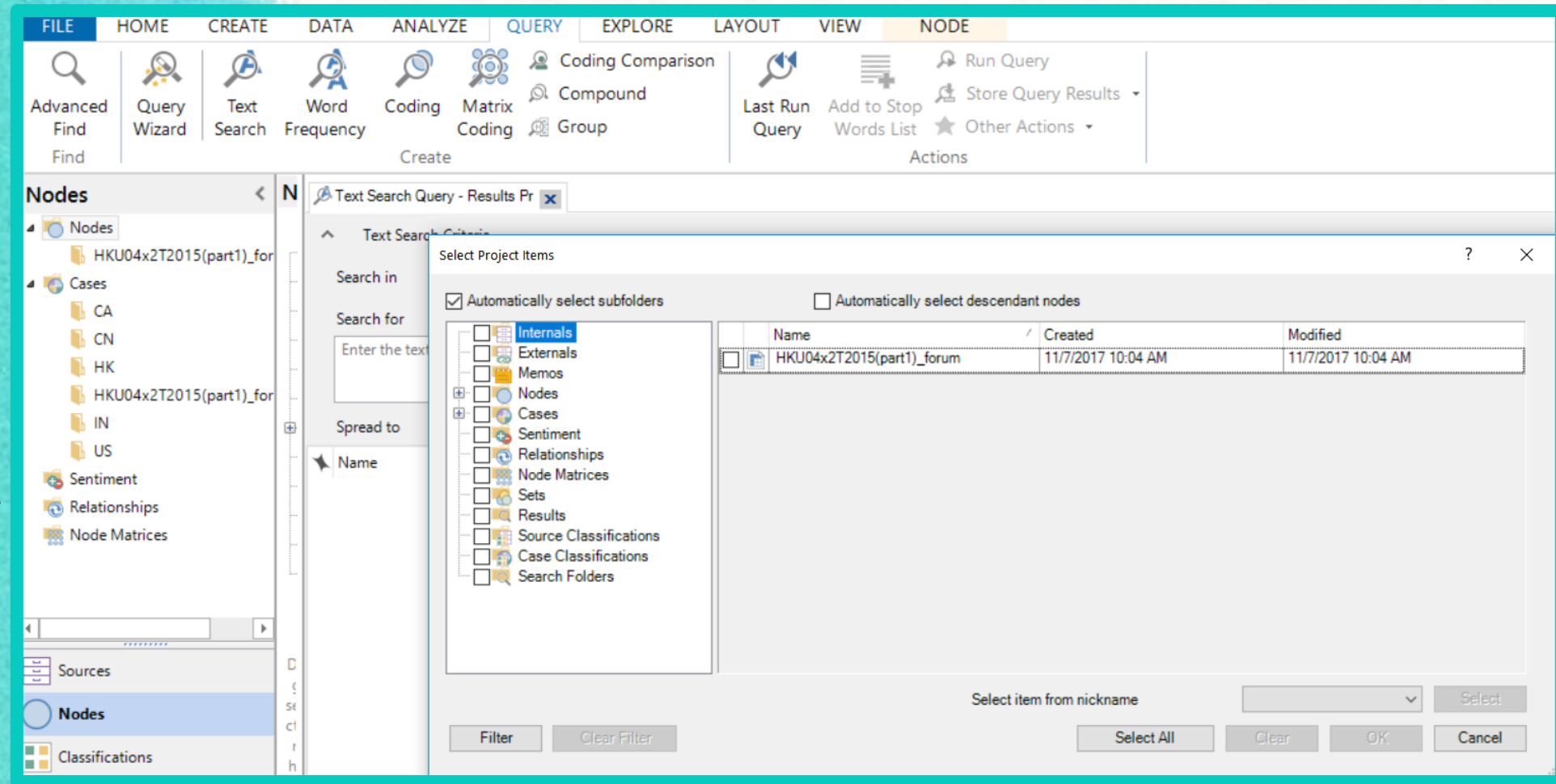
Maps Charts Diagrams Social Network Analysis Classification Sheets

Search In Internals Find Now Clear Advanced Find

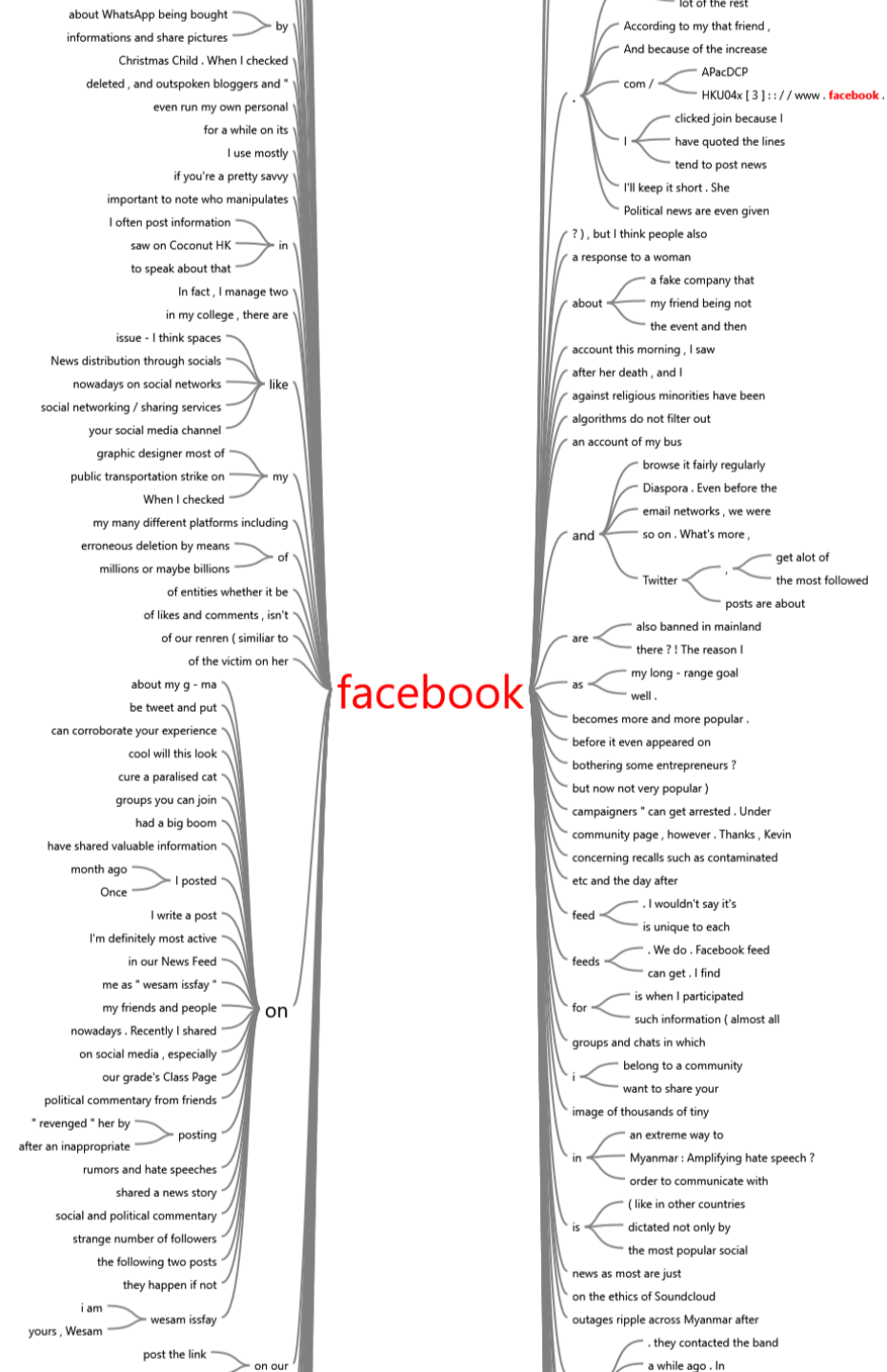
HKU04x2T2015(part1)_forum Survey Respondent

	A : gender ▼	B : age ▼	C : level_of_education ▼	D : grade ▼	E : mode ▲ ▼	F : country ▼
272 : 1046676	m	68	hs	0.82	verified	US
273 : 1948405	m	72	m	0.74	verified	US
274 : 2281072	m	38	m	0.74	verified	CN
275 : 260592	m	28	m	0.88	verified	Unassigned
276 : 5340907	m	21	hs	0.78	verified	US
277 : 6286426	m	41	b	0.81	verified	NL
278 : 6764819	m	23	b	0.71	verified	FR
279 : 6935408	m	26	b	0.76	verified	CO
280 : 7030677	m	29	m	0.68	verified	IN
281 : 7085302	m	31	b	0.61	verified	CN
282 : 7155851	m	38	b	0.72	verified	CN

Text query



Text search from source



Text search from case

Select Project Items

☒ Automatically select subfolders

- ☐ Internals
- ☐ Externals
- ☐ Memos
- ☐ Nodes
- ☒ Cases
 - ☐ CA
 - ☒ CN
 - ☐ HK
 - ☐ HKU04x2T2015(part1)
 - ☐ IN
 - ☐ US
- ☐ Sentiment
- ☐ Relationships
- ☐ Node Matrices
- ☐ Sets
- ☐ Results

Filter Clear Filter

Text Search Criteria

Search in:

Search for:

Spread to:

Find:

- Exact matches (e.g. "talk")
- With stemmed words (e.g. "talking")
- With synonyms (e.g. "speak")
- With specializations (e.g. "whisper")
- With generalizations (e.g. "communicate")

Run Query Save Results...

social media

. When I browse to on
and the false , to use
from the Internet exclusively and
from the truth . We
Many newspaper office
lot of news released through
Some
surge , is a Chinese proud .
The
useful to use internet or

have

a lot of news released
. Why they issue newspaper ?
era , every one of us
is posted . Yet after the
like weibo , however , it works
news reports is as long
often make speculation , sometimes for
platforms , such as Facebook , WhatsApp
properly . That's my understanding .
to search for some information

Cases

Name	Source
Social media	

Social media

[<Internals\\HKU04x1T2015-16 PH](#)

Reference 1 - 0.01% Coverage

social media

Reference 2 - 0.01% Coverage

social media

Reference 3 - 0.01% Coverage

Extend coding 'keyword' with 'Narrow Context'

The screenshot displays the 'Text Search Query - Results Preview' window. The 'Text Search Criteria' section on the left shows 'Search in' set to 'All Sources', 'Search for' set to '"social media"', and 'Spread to' set to 'Narrow Context' (highlighted in the dropdown menu). The 'Find' section on the right lists search options: 'Exact matches (e.g. "talk")', 'With stemmed words (e.g. "talking")', 'With synonyms (e.g. "speak")', 'With specializations (e.g. "whisper")', and 'With generalizations (e.g. "communicate")'. The main area shows a word tree for the keyword 'social media'. The tree branches out into various contexts, including 'feeds - Facebook, Twitter, etc. This', 'for news', 'forces than vice versa, Reacting', 'from how we might use', 'give voice to a common', 'become a part of', 'given us', 'has', 'helped to bring people', 'me seriously worried, Social', 'no responsibility towards accuracy', 'opened up the ability', 'the potential to give', 'helps a lot for sharing', and 'i have done many courses'. The 'Summary' tab is selected on the right side of the window. The bottom status bar shows 'Sources: 2 References: 401 Unfiltered' and a Windows taskbar at the bottom.

Text Search Query - Results Preview

FILE HOME CREATE DATA ANALYZE QUERY EXPLORE LAYOUT VIEW Word Tree Tools WORD TREE Node Tools NODE

Text Search Criteria

Search in All Sources Selected Items... Selected Folders... Find

Search for "social media" Special

Spread to None

Find

- Exact matches (e.g. "talk")
- With stemmed words (e.g. "talking")
- With synonyms (e.g. "speak")
- With specializations (e.g. "whisper")
- With generalizations (e.g. "communicate")

Summary Reference Dataset Word Tree

social media

feeds - Facebook, Twitter, etc. This

for news

forces than vice versa, Reacting

from how we might use

give voice to a common

become a part of

given us

has

helped to bring people

me seriously worried, Social

no responsibility towards accuracy

opened up the ability

the potential to give

helps a lot for sharing

i have done many courses

In Nodes Code At Enter node name (CTRL+Q)

Sources: 2 References: 401 Unfiltered

Type here to search

10:26 PM 10-May-18

Exploring associated items from a single case [project]

Project Map Tools

FILE HOME CREATE DATA ANALYZE QUERY EXPLORE LAYOUT VIEW PROJECT MAP

Layout: Align Arrange Add Project Items Show Associated Items

Connectors: ☒ Cases Coding ☒ Sources Coded ☒ Children ☒ Relationship ☒ Set or Search Folder ☒ Memo Links ☒ See Also Links ☒ Framework Items ☒ Classification ☒ Attribute Values ☒ Attributes ☒ Connector Labels

Nodes

Look for: Search In: CN Find Now Clear Advanced Find

Nodes

- Nodes
 - CN
 - SuperPosters
- Cases
 - CN
 - Sentiment
 - Relationships
 - Node Matrices
- Sources
- Nodes**
- Classifications
- Collections
- Queries
- Reports
- Maps

Chinese learner 281072

Add Associated Items

- Sources coded 1 item
- Attribute values 3 items
- Case Classification 1 item
- Items coding 2 items

Diagram illustrating the project map structure:

```
graph TD; A((Doubt of journalist professionalism)) -- Codes --> B((2281072)); C((Expectation for journalists and media)) -- Codes --> B; B -- Value --> D[mode = verified]; B -- Value --> E[age = 38];
```

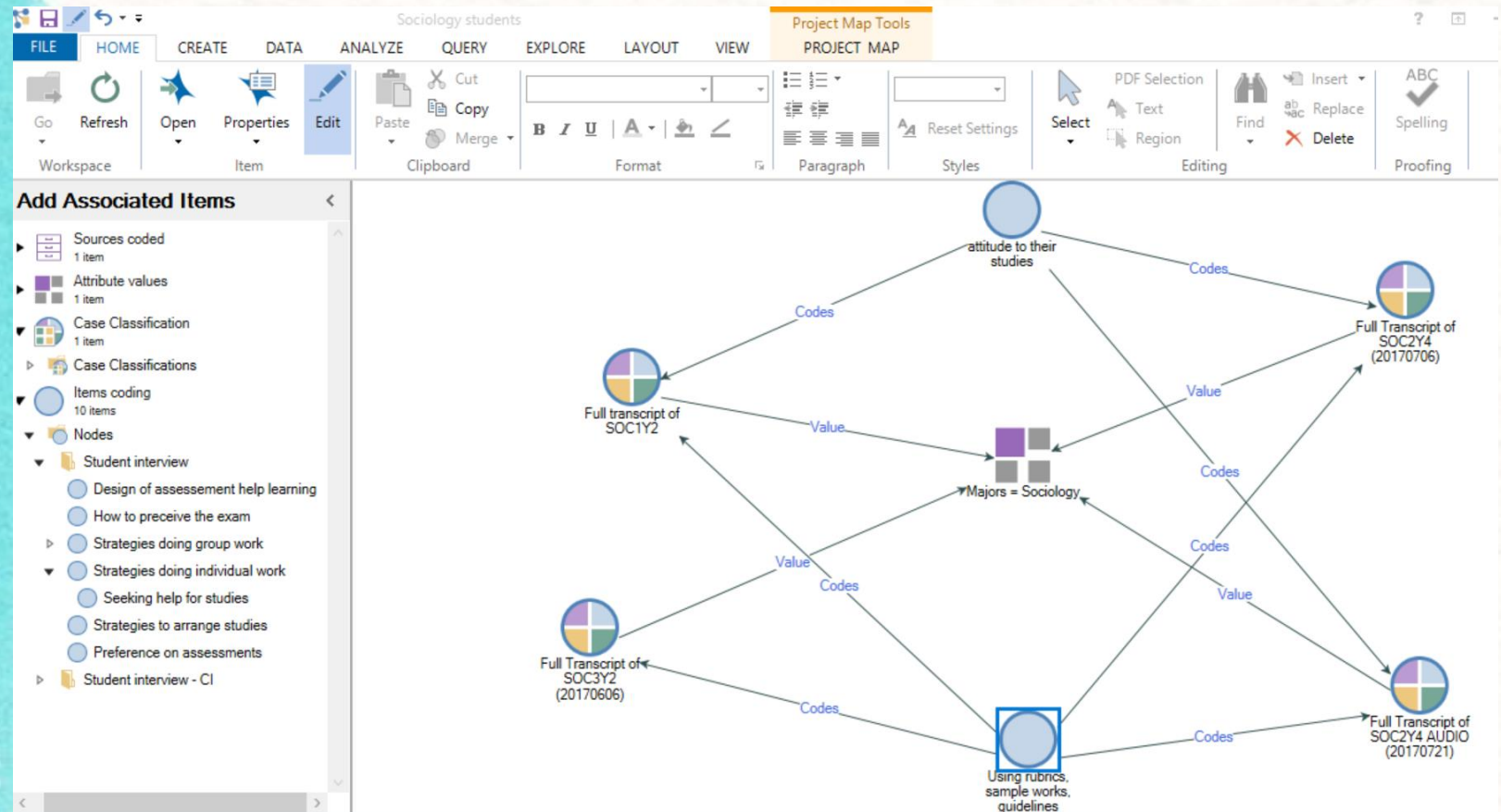
Demo. Steps:

<https://www.youtube.com/watch?v=uat8Pe5kGMI>

[51 min>]

Exploring associated items in a classification

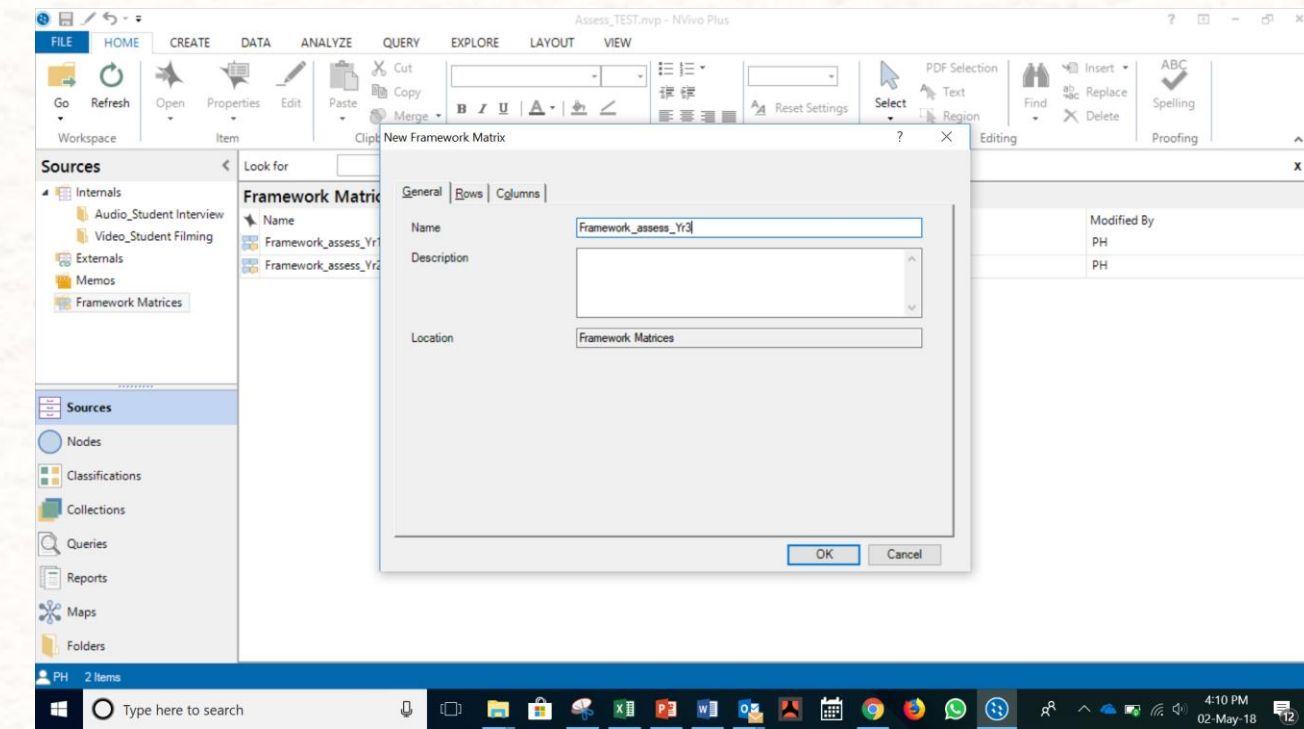
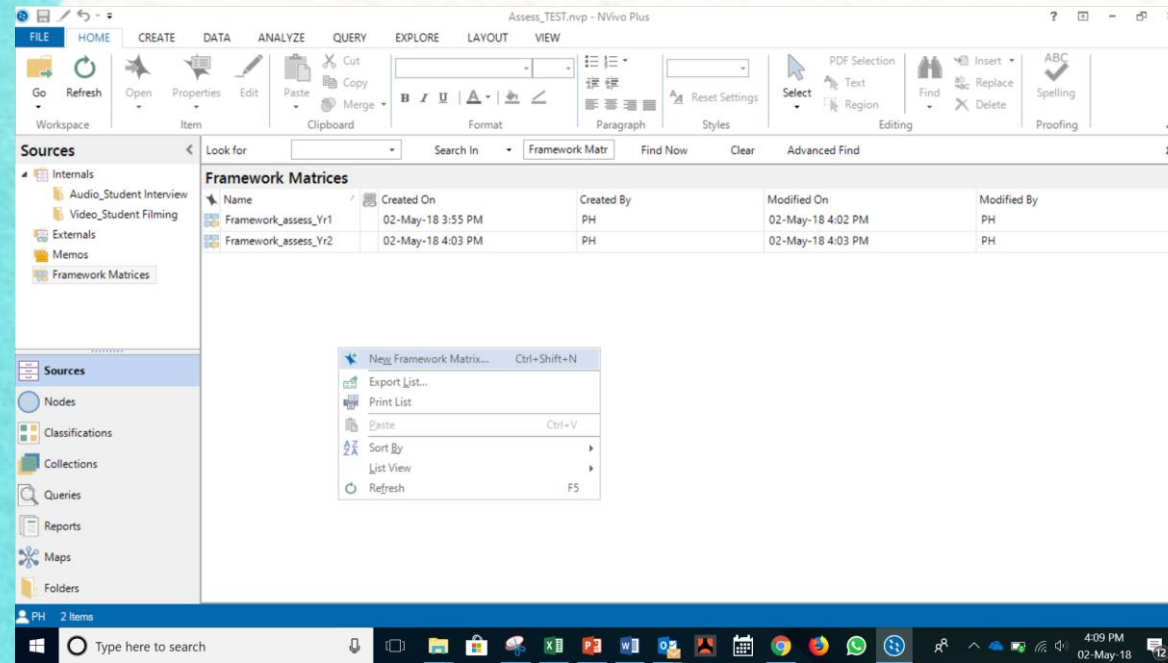
Majors in sociology: Yr 2 and Yr 4
[nodes addressed]



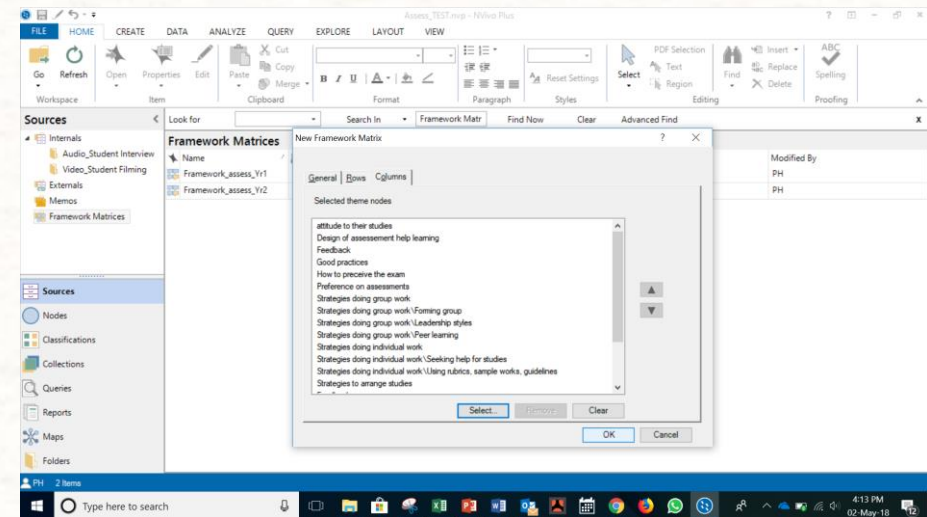
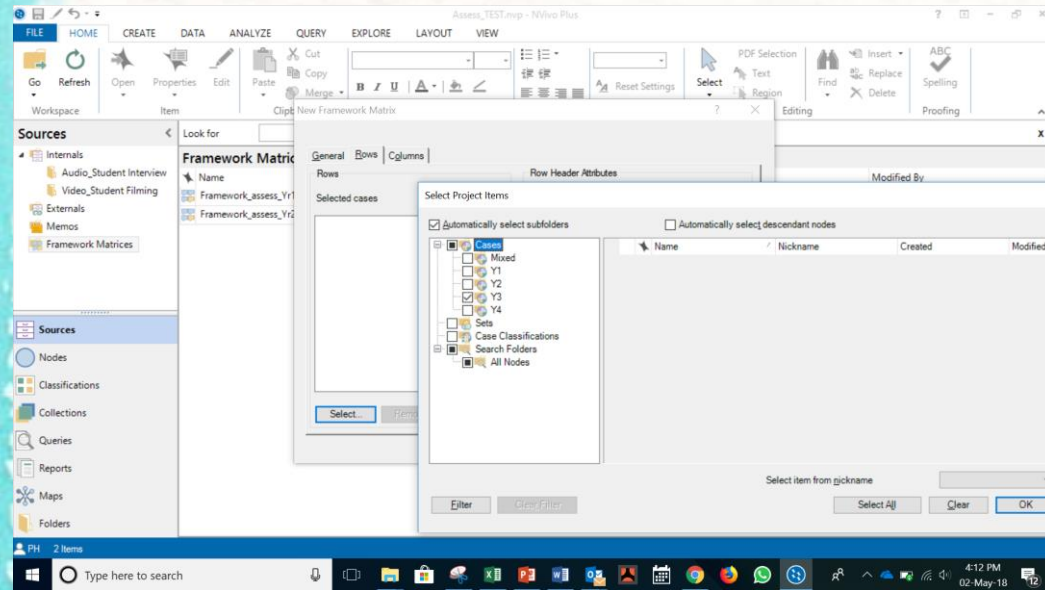
Framework from source: name, select rows & columns (1)

<https://www.youtube.com/watch?v=uat8Pe5kGMI>

[57min >]



Framework from
source: name,
select rows &
columns (2)



Framework from
source:
Framework
matrices > Auto
Summarize (3)

The screenshot displays the NVivo Plus software interface, specifically the 'Framework Matrix Tools' tab. The 'Auto Summarize' button is highlighted, and a tooltip explains its function: 'Automatically create summaries from coded source content. Textual content coded at both the row and column nodes is added to the cells in the framework matrix.'

The 'Sources' panel on the left shows a tree structure with 'Internals' expanded, containing 'Audio_Student Interview' and 'Video_Student Filming'. Below this, 'Externals', 'Memos', and 'Framework Matrices' are listed. The 'Framework Matrices' section is active, showing a table with columns 'A: attitude to their studies' and 'B: Design of assessment hel'. The row '1: EDU(M)1Y3' is selected.

The 'Auto Summarize' dialog box is open, showing a preview of the summary text generated for the selected source. The text includes: 'Reference 1 - 100.00% Coverage', 'Interview date: 21st February, 2017', 'Course:', 'Major: EDU_M1Y3', 'School of year: 3', 'Total length: 42minutes 37seconds', and 'Interview with EDU_M1Y3, and it was videotaped.'

The bottom status bar indicates the user is 'PH', there are '3 Items', and the 'Summary Links: Cell 0'.

Framework from source: Auto Summarize to exporting to Excel (4)

Framework Matrix Tools

FRAMEWORK MATRIX

	A : attitude to their studies	B : Design of assesment help learning	C : Feedback	D : Good practices	E : How to preceive the exam	F : Pre
1: Full transcript of SOC1Y2	my main goal is to learn whatever I can within the boundary of not failing the course. freshmen don't have the tendency or they don't see the importance of reading readings.	In the tutorial group we have to read the researches again and classic readings, then we have to brainstorm and elaborate on their theories to 'fight in a pit', to discuss and debate with your fellow classmates. That demonstrates more fairly and precisely of what you know or the extent that you understand	got the verbal feedback right after the presentation, so for example the TA would say you didn't mention this concept, or you should mention more about this concept. the two individual essays were graded by the TAs. So the TA would mark down some comments and a mark at the back of the essays. the TA would just circle and say 'good thinking' these kind of comments. Verbal comments didn't really happen in the individual essays but the tutorials. it's ambiguous as the teacher ticked on the line between very good and excellent. The teacher gave a similar mark around this area, but I couldn't see the relationship between the top and middle. Maybe that's only the		what we call in the group, 'to eat the book', to memorize the book, and go to the gym to have an exam, that doesn't really make you actually learn the knowledge that you should be learning, but instead you are just memorizing, and at the end you will forget it. for example it would ask us what the main conceptualization of Karl Marx is, and then you have to just 'vomit' the books out. the benefit of the exam is to implement a degree of agony into your memory, and that's what we called flashbulb memory, so when	So you say course. I because of the content those assessments have to write an essay, the tutorials, project. D combinat SOC1Y2 01:33 Yec combinat demonstr extend of the topics

Summary Links: Cell 0

↑ This PC > Desktop > Assessment_framework_cindi

	Name	Date modified	Type	Size
access				
op	Framework_assess_Yr1	02-May-18 3:58 PM	Microsoft Excel Work...	10 KB
loads	Framework_assess_Yr2	02-May-18 4:07 PM	Microsoft Excel Work...	11 KB

Query wizard: cross tabulation

- Autocoding: Sentiment
- Keyword search: High frequency word/terms
- Run query of the terms with sentiment 'positive', 'negative'
- Save 'Result', and explore emerging themes

MORE emerging ideas for
your next publication

Coding

**Making queries on
coding**

Themes are unifying concepts or statements

- Identify and characterize:
 - Patterns of behaviors
 - Group interactions
 - Individual perceptions
- Help to develop testable hypotheses by:
 - Identifying salient factors
 - Informing predictions about relationships

Credit: <https://www.youtube.com/watch?v=opp5tH4uD-w&t=103s>

Making query: Know to unknown

- Making query in data allows researchers not just finding evidence to support research questions, but identifying gaps between sets (differences and commonality between stakeholders/age/organizations)
- Enabling more research questions to be asked

NEW web references

Mixed Methods Analysis with NVivo 11 for Windows

- https://www.youtube.com/watch?v=I9_YIHXrh88&t=274s

Learning how to explore and visualize your data with NVivo | NVivo Brown Bag Webinar

- <https://www.youtube.com/watch?v=Ez7PB6ZIA5I>
- Explore and Visualize Your Data – Using NVivo 11 for Windows to Tell the Story the Story
- <https://www.youtube.com/watch?v=2wjMp-L-JDk>

Q&A



phodgson@cuhk.edu.hk

THANK YOU