

# Research Data Management (RDM) WORKSHOP for Research Postgraduate Students –

## Manage Qualitative Research Data Using NVivo 11 for MAC

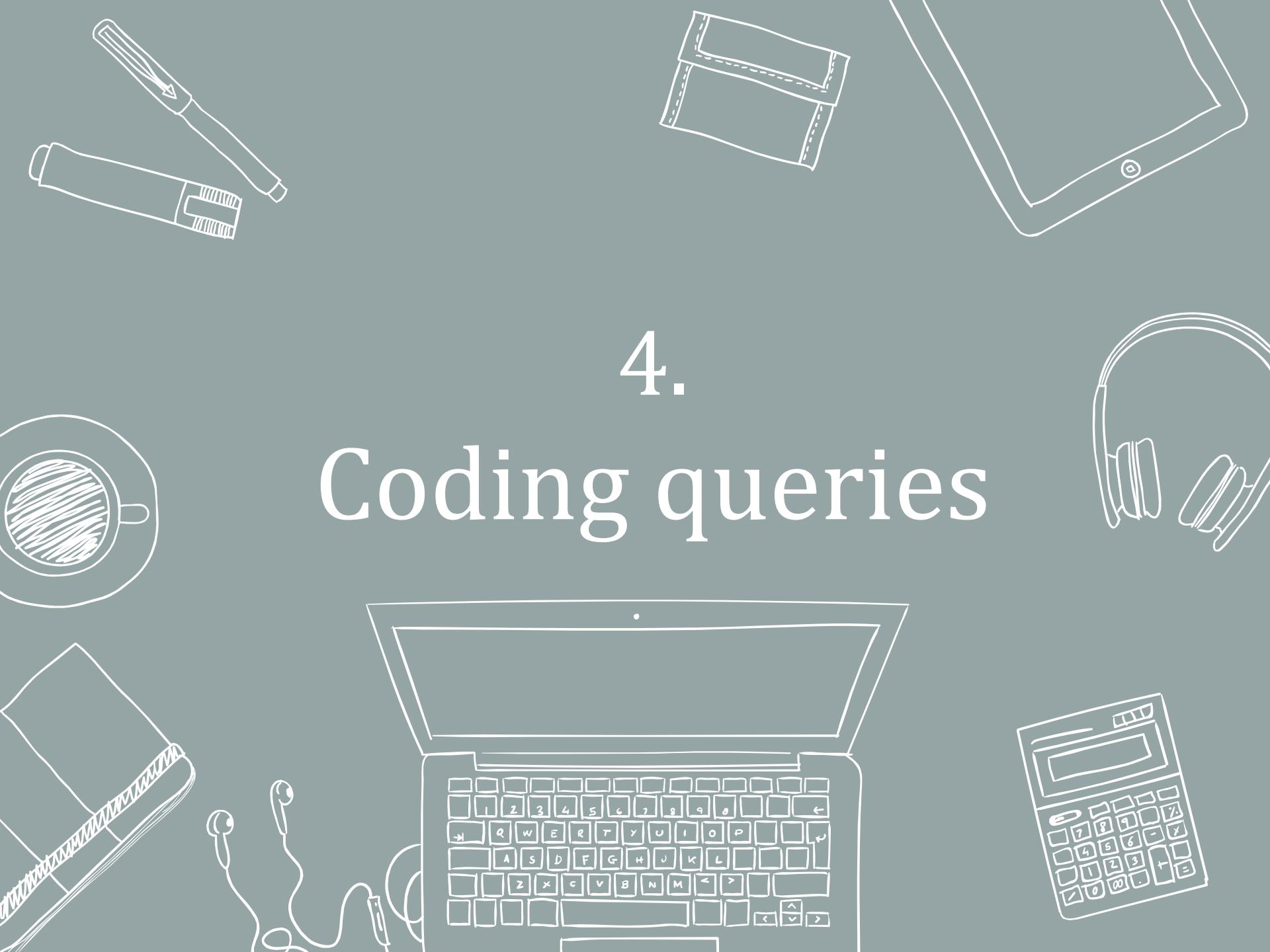
Part 2

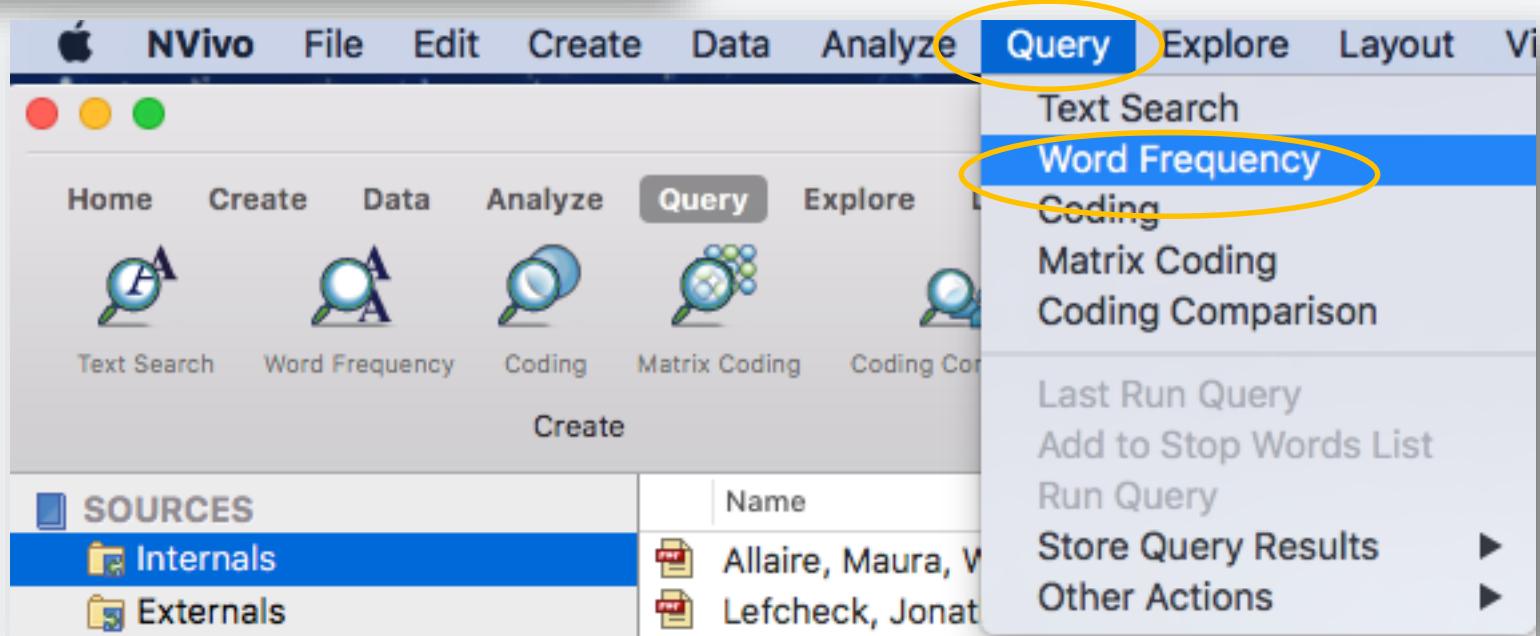
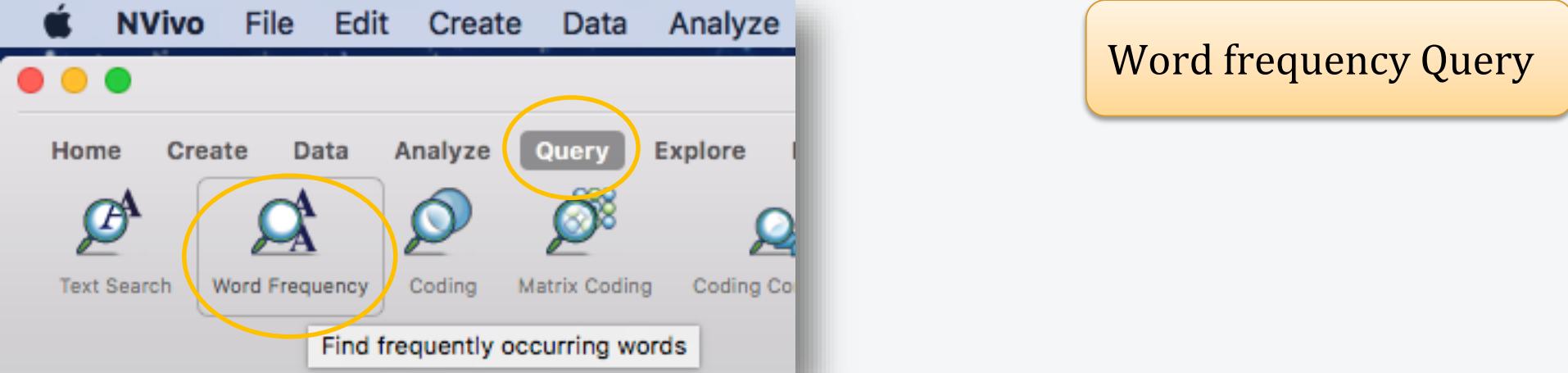
# Agenda

Part 1	1. Overview	40 min.
	2. Import bibliographic data from EndNote	
	Exercise and Break	
Part 2	3. Coding Queries	40 min.
	Exercise and Break	10 min.
Part 3	4. Import survey data	30 min.
	Exercise and Break	10 min.
Round up	5. Import document, image, audio and video files	20 min.
	6. Backup your project file & other resources	5 min.
	Q&A	5 min.

170 min.

# 4. Coding queries





# Word frequency Query

NVivo File Edit Create Data Analyze Query Explore Layout View Window Help

Literature Review copy

Home Create Data Analyze **Query** Explore Layout View

Text Search Word Frequency Coding Matrix Coding Coding Comparison Last Run Query Add to Stop Words List Other Actions

Create Actions

SOURCES	Name	Nodes	Referen...	Created On	Created By	Modified On
Internals	Allaire, Maura, Wu, Haow...	4	6	Yesterday, 5:40 PM	EC	Yesterday, 5:40 PM
Externals	Lefcheck, Jonathan S., Or...	1	2	Yesterday, 5:40 PM	EC	Yesterday, 5:40 PM
Memos	Survey Responses	112	1,022	Yesterday, 8:39 PM	EC	Yesterday, 8:39 PM

Unsaved Query

Word Frequency Criteria

Search in: **All Sources** Selected Items ▾ Items in Selected Folders ▾

Finding matches:  Exact match only (e.g. "talk")  Include stemmed words (e.g. "talking")

Display words:  All  100 most frequent

With minimum length: 3

Summary Word Cloud

Word	Length	Count	Weighted Percentage

Literature Review copy

# Word frequency Query

Home Create Data Analyze **Query** Explore Layout View

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Create Actions

**SOURCES**

- Internals
- Externals
- Memos

**NODES**

- Nodes
- Cases
- Node Matrices

**CLASSIFICATIONS**

- Source Classifications
- Case Classifications

**COLLECTIONS**

- Sets
- Memo Links
- Annotations

**QUERIES**

- Queries
- Results

**MAPS**

- Maps

OPEN ITEMS ▾

Unsaved Query

Name	Nodes	Referen...	Created On	Created By	Modified On
Allaire, Maura, Wu, Haow...	4	6	Yesterday, 5:40 PM	EC	Yesterday, 5:40 F
Lefcheck, Jonathan S., Or...	1	2	Yesterday, 5:40 PM	EC	Yesterday, 5:40 F
Survey Responses	112	1,022	Yesterday, 8:39 PM	EC	Yesterday, 8:39 F

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Display words:  All  100 most frequent

With minimum length: 3

Summary Word Cloud

Word	Length	Count	Weighted Percentage
water	5	217	1.99%
violations	10	139	1.27%
quality	7	66	0.60%
systems	7	60	0.55%
sav	3	56	0.51%
total	5	56	0.51%
drinking	8	52	0.48%
fig	3	52	0.48%
good	4	51	0.47%
bay	3	49	0.45%
health	6	42	0.38%
data	4	41	0.38%
development	11	40	0.37%
violation	9	40	0.37%

Export... Print... Run Text Search Query Add to Stop Words List

Literature Review copy

# Word frequency Query

**SOURCES**

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Lefcheck, Jonathan S., Or...	1	2	Yesterday, 5:40 PM	EC	Yesterday, 5:40 P
Survey Responses	112	1,022	Yesterday, 8:39 PM	EC	Yesterday, 8:39 P

**Unsaved Query**

**Word Frequency Criteria**

Search in: All Sources Selected Items Items in Selected Folders

Finding matches:  Exact match only (e.g. "talk")  Include stemmed words (e.g. "talking")

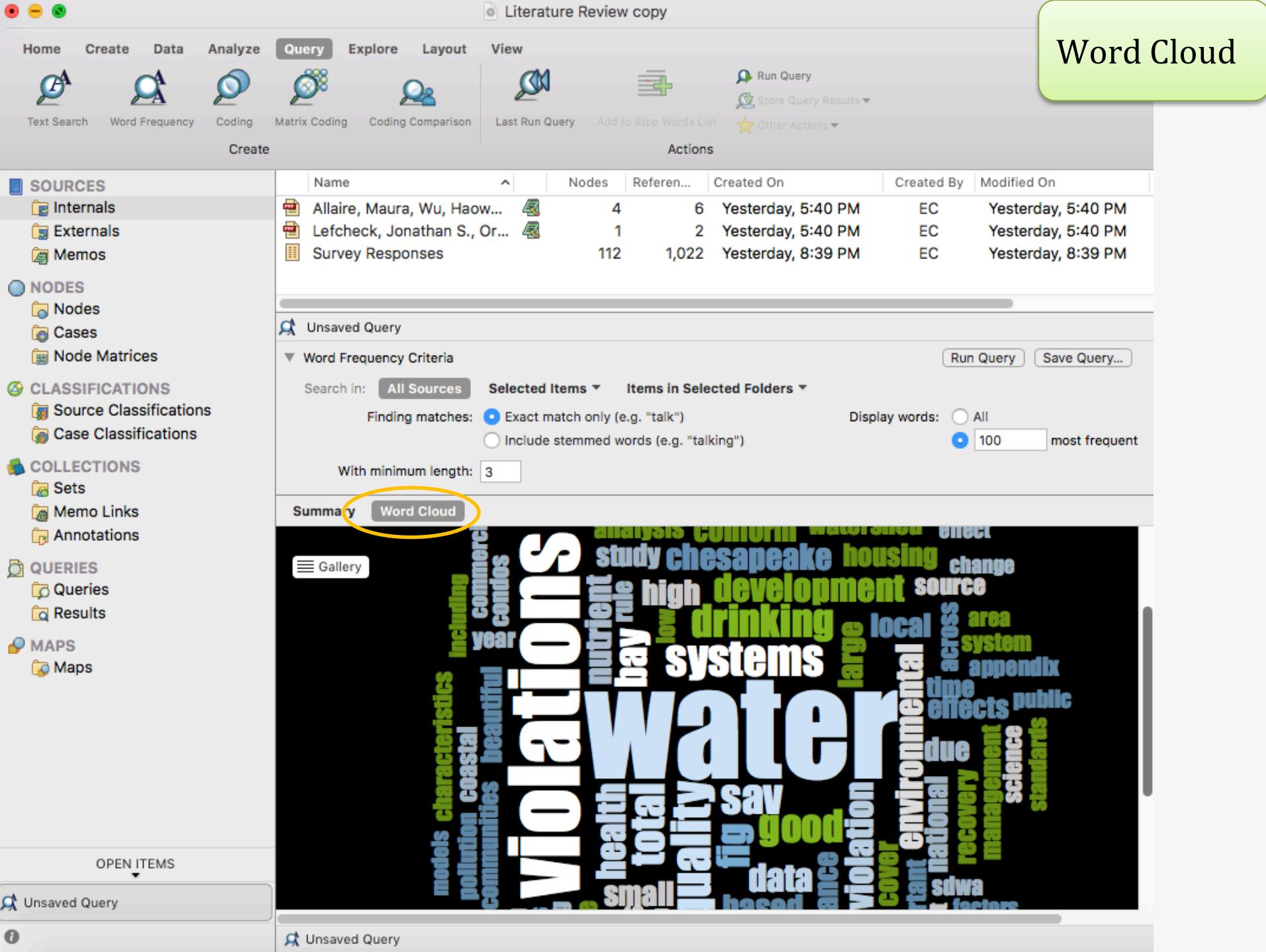
Display words:  All  100 most frequent

With minimum length: 3

**Summary Word Cloud**

Word	Length	Count	Weighted Percentage	Similar Words
water	5	219	2.00%	water, waters
violations	10	182	1.67%	violated, violation, violations
systems	7	80	0.73%	system, systems
quality	7	66	0.60%	quality
developments	12	66	0.60%	develop, developed, developer, developers,...
state	5	58	0.53%	state, states
fig	3	57	0.52%	fig, figs
sav	3	56	0.51%	sav
total	5	56	0.51%	total
effects	7	53	0.49%	effect, effective, effectiveness, effects
good	4	52	0.48%	good, goodness
drinking	8	52	0.48%	drinking
bay	3	49	0.45%	bay
nutrients	9	48	0.44%	nutrient, nutrients

Unsaved Query





Literature Review copy

Word Cloud

Home Create Data Analyze Query Explore Layout View

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Unsaved Query

Name Nodes Referen... Created On Created By Modified On Modif

Allaire, Maura, Wu, Haow...	4	6	Yesterday, 5:40 PM	EC	Yesterday, 5:40 PM	E
Lefcheck, Jonathan S., Or...	1	2	Yesterday, 5:40 PM	EC	Yesterday, 5:40 PM	E
Survey Responses	112	1,022	Yesterday, 8:39 PM	EC	Yesterday, 8:39 PM	E

Actions

Unsaved Query

Word Frequency Criteria

Search in: All Sources Selected Items Items in Selected Folders

Finding matches:  Exact match only (e.g. "talk")  Include stemmed words (e.g. "talking")

Display words:  All  100 most frequent

With minimum length: 3

Summary Word Cloud

Gallery

Export... Print...

The word cloud features large, bold text for the main concepts: 'water' (blue), 'violations' (white), 'study' (blue), 'high' (blue), 'development' (green), 'drinking' (green), 'systems' (green), 'large' (green), 'local' (green), 'area' (green), 'system' (green), 'appendix' (green), 'time' (green), 'effects' (green), 'public' (green), 'due' (green), 'environmental' (green), 'cover' (green), 'national' (green), 'recovery' (green), 'management' (green), 'science' (green), and 'standards' (green). Smaller terms include 'analysis' (green), 'cumulative' (green), 'watercolor' (green), 'effect' (green), 'commercial' (green), 'condos' (green), 'rule' (blue), 'nutrient' (blue), 'bay' (blue), 'year' (blue), 'beautiful' (blue), 'communities' (blue), 'characteristics' (blue), 'models' (blue), 'coastal' (blue), and 'factors' (blue).

## Text Search Query

Home Create Data Analyze **Query** Explore Layout View

Text Search Word Frequency Coding Matrix Coding Coding Comparison Last Run Query Add to Stop Words List Other Actions ▾

**Create**

**Actions**

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Lefcheck, Jonathan S., Or...	1	2	Yesterday, 5:40 PM	EC	Yesterday, 5:40
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**Unsaved Query**

**Word Frequency Criteria**

Search in: **All Sources** Selected Items ▾ Items in Selected Folders ▾

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**Summary Word Cloud**

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violations	10	182	1.67%	violated, violation, violations
systems	7	80	0.73%	system, systems
quality	7	66	0.60%	quality
developme...	12	66	0.60%	develop, developed, developer, developers,...
state	5	58		
fig	3	57		
sav	3	56		
total	5	56		
effects	7	53		
good	4	52		

Export...  
Print...  
**Run Text Search Query**  
Add to Stop Words List

**Unsaved Query**

**SOURCES**

- Internals
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- Memos

**NODES**

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**OPEN ITEMS**

Unsaved Query

Literature Review copy

# Text Search Query

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Text Search Word Frequency Coding Matrix Coding Coding Comparison

Last Run Query Add to Stop Words List Other Actions

Create Actions

## SOURCES

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## MADE

OPEN ITEMS

Unsaved Query

Unsaved Query

Unsaved Query

Name	Nodes	Referen...	Created On	Created By	Modified On
Allaire, Maura, Wu, Hao...	4	6	Yesterday, 5:40 PM	EC	Yesterday, 5:40
Lefcheck, Jonathan S., Or...	1	2	Yesterday, 5:40 PM	EC	Yesterday, 5:40
Survey Responses	112	1,022	Yesterday, 8:39 PM	EC	Yesterday, 8:39

Unsaved Query

Text Search Criteria

Search in: All Sources Selected Items Items in Selected Folders

Search for: develop OR developed OR developer OR developers OR developing OR development OR developments

Finding matches:

Exact match only (e.g. "talk")  
 Include stemmed words (e.g. "talking")

Summary Reference Word Tree

Source Name	In Folder	References	Coverage
Allaire, Maura, Wu, Hao...	Internals	7	0.10%
Lefcheck, Jonathan S., ...	Internals	4	0.07%
Survey Responses	Internals	55	2.74%

Unsaved Query

Literature Review copy

# Text Search Query

Home Create Data Analyze **Query** Explore Layout View

Text Search Word Frequency Coding Matrix Coding Coding Comparison

Last Run Query Add to Stop Words List Other Actions

Create Actions

SOURCES	Name	Nodes	Referen...	Created On	Created By	Modified On
Internals	Allaire, Maura, Wu, Haow...	4	6	Yesterday, 5:40 PM	EC	Yesterday, 5:40 PM
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 Include stemmed words (e.g. "talking")

Summary Reference Word Tree

Reference

[Internals\Allaire, Maura, Wu, Haowei & Lall, Upmanu \(2018\)-13](#)  
7 references coded, 0.10% coverage

Reference 1: 0.01% coverage  
Meanwhile, Wallsten and Kosec (9) develop count regressions that relate community

Reference 2: 0.02% coverage  
including source water protection and development of procedures for monitoring and

Reference 3: 0.01% coverage  
al. (2006) An approach for developing a national estimate of waterborne

Reference 4: 0.02% coverage  
21). Beyond restored funding, technology developments could enable improved monitoring

OPEN ITEMS

Unused Query Unused Query

Literature Review copy

# Text Search Query

# Word Tree

**SOURCES**

- Internals
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**NODES**

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- Source Classifications
- Case Classifications

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- Memo Links
- Annotations

**QUERIES**

- Queries
- Results

**MAPS**

- Maps

**OPEN ITEMS**

- Unsaved Query
- Unsaved Query

**Actions**

Name | Nodes | Referen... | Created On | Created By | Modified On | Modified By | Color

Allaire, Maura, Wu, Haow...	4	6	Yesterday, 5:40 PM	EC	Yesterday, 5:40 PM	EC
Lefcheck, Jonathan S., Or...	1	2	Yesterday, 5:40 PM	EC	Yesterday, 5:40 PM	EC
Survey Responses	112	1,022	Yesterday, 8:39 PM	EC	Yesterday, 8:39 PM	EC

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Finding matches:  Exact match only (e.g. "talk")  Include stemmed words (e.g. "talking")

**Word Tree**

Context (words) 5

Literature Review copy

# Word Tree

**Home Create Data Analyze Query Explore Layout View**

**Create**

**Actions**

Name	Nodes	Referen...	Created On	Created By	Modified On	Modified By
Allaire, Maura, Wu, Haow...	4	6	Yesterday, 5:40 PM	EC	Yesterday, 5:40 PM	EC
Lefcheck, Jonathan S., Or...	1	2	Yesterday, 5:40 PM	EC	Yesterday, 5:40 PM	EC
Survey Responses	112	1,022	Yesterday, 8:39 PM	EC	Yesterday, 8:39 PM	EC

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- Results

**MAPS**

- Maps

**OPEN ITEMS**

- Unused Query
- Unused Query

**Actions**

**Unsaved Query**

**Text Search Criteria**

Search in: All Sources Selected Items Items in Selected Folders

Search for: develop OR developed OR developer OR developers OR developing OR development OR developments

Finding matches:  Exact match only (e.g. "talk")  Include stemmed words (e.g. "talking")

**Word Tree**

Context (words) 5

high rises -  
low impact  
more  
Myrtle Beach type store  
no mass  
in the early stages  
should be protected regardless  
on with no control on  
distributed green energy grid ;  
low impact , planned

development

developed

developing

developer

developers

develop

developments

inland from us .

is

also positively assoc

improved data man

Chesapeake Bay SA...

of

procedures for mor...

on and around estuaries + we...

creates jobs

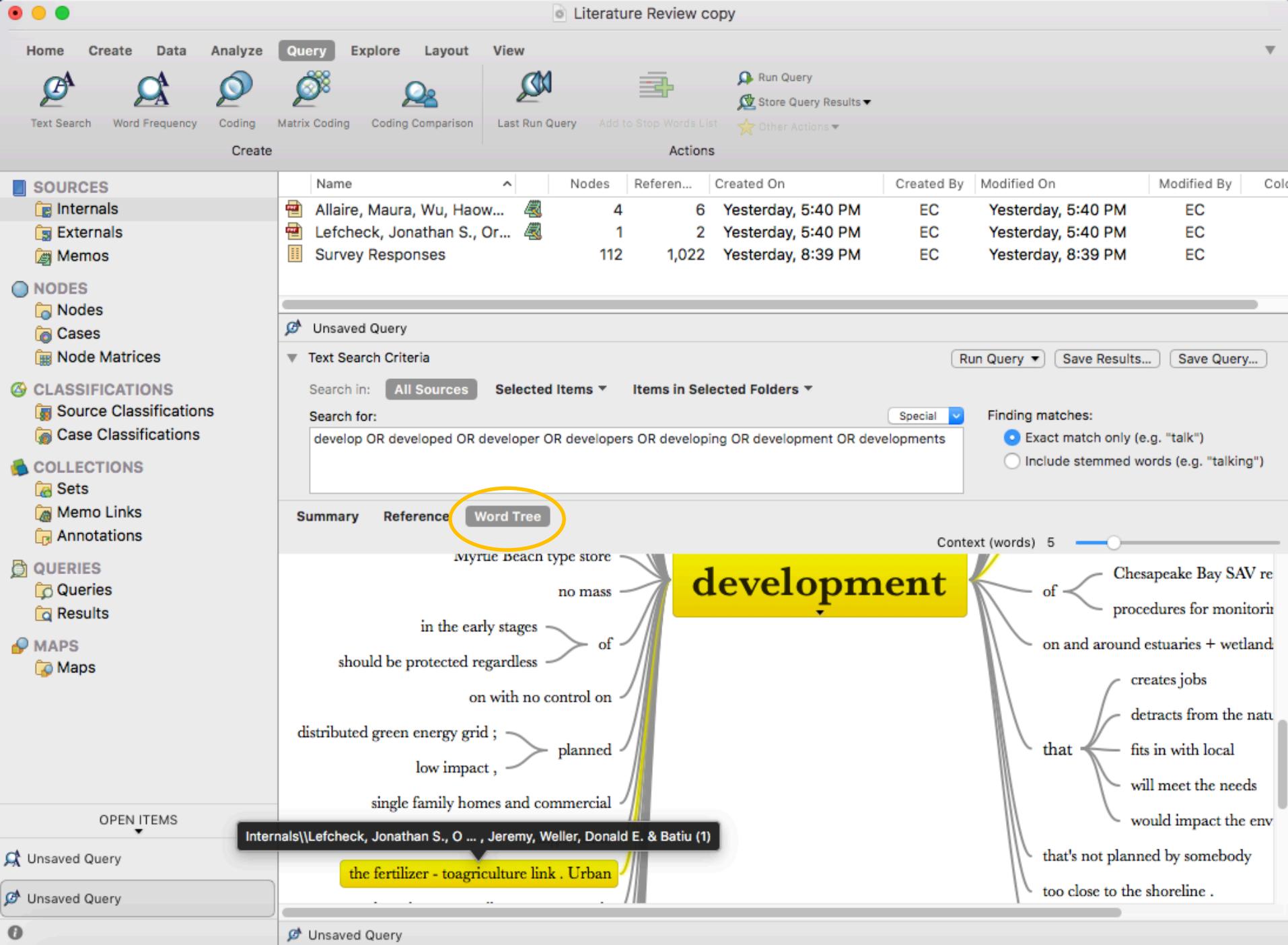
detracts from the...

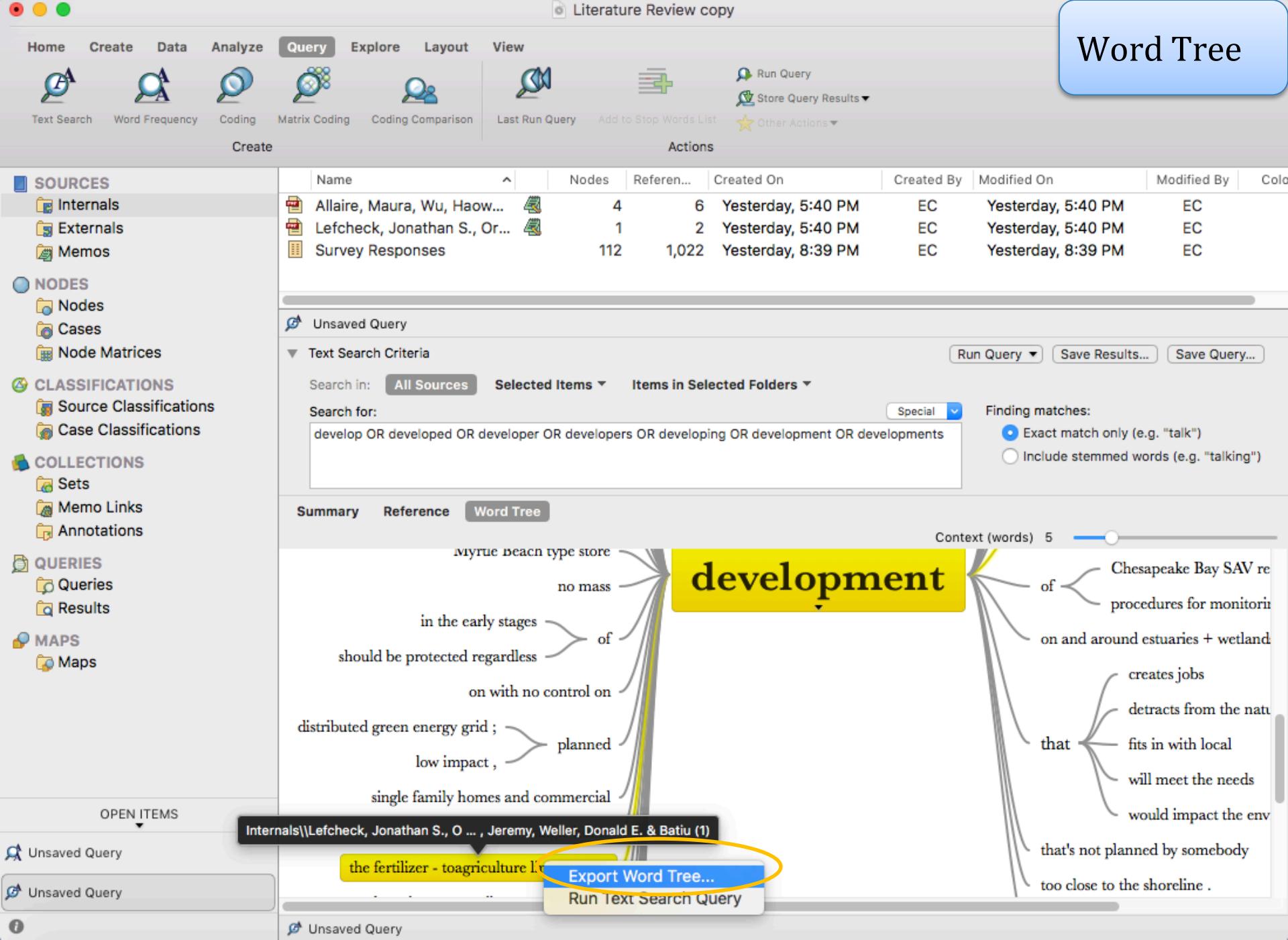
fits in with local...

that

will meet the ne...

Unused Query







Home Create Data Analyze **Query** Explore Layout View



Text Search



Word Frequency



Coding



Matrix Coding



Coding Comparison



Last Run Query



Add to Stop Words List



Run Query

Store Query Results ▾

Other Actions ▾

Create

Actions

**SOURCES**

- Internals
- Externals
- Memos

**NODES**

- Nodes
- Cases
- Node Matrices

**CLASSIFICATIONS**

- Source Classifications
- Case Classifications

**COLLECTIONS**

- Sets
- Memo Links
- Annotations

**QUERIES**

- Queries

OPEN ITEMS

Unsaved Query

Unsaved Query

Name	Node
------	------

- Allaire, Maura, Wu, Haow...
- Lefcheck, Jonathan S., Or...
- Survey Responses

Unsaved Query

## Text Search Criteria

Search in: **All Sources** Selected Items

Search for:

develop OR developed OR developer OR developers OR developing  
OR development OR developments

Summary Reference Word Tree

Context (words) 5

on with no control on

distributed green energy grid ;

low impact , planned

single family homes and commercial

Save As: **Word Tree (development)**

Tags:

Where: **Documents**

- File Format
- Portable Document Format (PDF)
  - Portable Network Graphics image
  - JPEG image**
  - Windows bitmap image
  - Graphics Interchange Format (GIF)
  - TIFF image
  - JPEG 2000 image

OK

## Word Tree

Home Create Data Analyze **Query** Explore Layout View

Text Search Word Frequency Coding Matrix Coding Coding Comparison Last Run Query Add to Stop Words List Other Actions ▾

**Create**

**Actions**

**SOURCES**

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- Memo Links
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**QUERIES**

- Queries
- Results

**OPEN ITEMS**

- Unused Query
- Unused Query
- Unused Query

Name	Nodes	Referen...	Created On	Created By	Modified On
Allaire, Maura, Wu, Haow...	4	6	Yesterday, 5:40 PM	EC	Yesterday,
Lefcheck, Jonathan S., Or...	1	2	Yesterday, 5:40 PM	EC	Yesterday,
Survey Responses	112	1,022	Yesterday, 8:39 PM	EC	Yesterday,

**Unsaved Query**

**Text Search Criteria**

Search in: **All Sources** Selected Items ▾ Items in Selected Folders ▾

Search for: "the fertilizer - toagriculture link . Urban development"

Finding matches:

Exact match only (e.g. "talk")  
 Include stemmed words (e.g. "talking")

**Summary Reference Word Tree**

**Reference** (highlighted)

Internals\\Lefcheck, Jonathan S., Orth, Robert J., Dennison, William C., Wilcox, David J., Murphy, Rebecca R., Keisman, Jennifer, Gurbisz, Cassie, Hannam, Michael, Landry, J., Brooke, Moore, Kenneth A., Patrick, Christopher J., Testa, Jeremy, Weller, Donald E. & Batiu  
**1 reference coded, 0.08% coverage**

**Reference 1: 0.08% coverage**

these areas may weaken the fertilizer-toagriculture link. Urban development is also positively associated with

**Unused Query**

## Word Tree

Home Create Data Analyze

Query

Explore

Layout

View



Text Search



Word Frequency



Coding



Matrix Coding



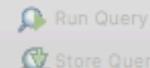
Coding Comparison



Last Run Query

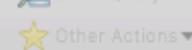


Add to Stop Words List



Run Query

Store Query Results



Other Actions

Create

Actions

## SOURCES

Internals

Externals

Memos

## NODES

Nodes

Cases

Node Matrices

## CLASSIFICATIONS

Source Classifications

Case Classifications

## COLLECTIONS

Sets

Memo Links

Annotations

## QUERIES

Queries

## OPEN ITEMS

Unsaved Query

Unsaved Query

Unsaved Query

Lefcheck, Jonathan S., Orth, Robert J....

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Allaire, Maura, Wu, Haow...	4	6	Yesterday, 5:40 PM	EC	Yesterday, 5:40 PM
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Survey Responses	112	1,022	Yesterday, 8:39 PM	EC	Yesterday, 8:39 PM

Lefcheck, Jonathan S., Orth, Robert J., Dennison, William C., Wilcox, David J., Murphy, Rebecca R., Keisman, J. (2011). Nutrient loads from land use and fertilizer application, and watershed model estimates for the loads of nutrients and sediments from diffuse land (nonpoint sources) and from discrete locations such as water treatment plants (point sources). We unite these data structural equation modeling (17) to quantify both the direct and indirect controls on SAV. To bridge terrestrial and aquatic systems, we conducted two separate analyses: one exploring 120 adjacent subestuaries that could be directly coupled to local watershed nutrient loads across multiple salinity zones, and the other linking local environmental conditions to SAV throughout the bay.

## Results and Discussion

Analyses reveal that nutrients play a dominant role in regulating SAV cover (Figs. 1 and 2). At the watershed scale, increasing nonpoint source nitrogen (Fig. 1) and phosphorus (SI Appendix, Fig. S1) loads reduce SAV. For the freshwater and haline regions of the bay, this effect is independent of other variables (Fig. 1A). In the meso- and polyhaline regions, the nutrient effect becomes more negative as freshwater discharge from the watershed increases (a nutrient-by-flow interaction, Fig. 1B and C). This interaction presumably reflects increased nutrient runoff with increased precipitation (18). We further find that high nutrient loads result from fertilizer application in all salinity zones (Fig. 1 and SI Appendix, Fig. S1 A and C), with an additional clear linkage to manure application in the mesohaline

and C and SI Appendix, Fig. S1) except in tidal freshwater and oligohaline areas (Fig. 1A), reflecting the agricultural dominance as a source of nutrient loads to Chesapeake Bay. Many subestuaries in the tidal freshwater/oligohaline areas are highly urbanized, and nonfarm fertilizer applications (e.g., residential lawns) in these areas may weaken the agriculture link. Urban development is also positively associated with increased nutrient loading in most areas of the bay, with increased runoff and/or through nonfarm application (Fig. 1A and B and SI Appendix, Fig. S1 A and B). In addition, at the watershed scale, we find a cascade triggered by practices that apply manure and fertilizer which, together, increase nutrient runoff that ultimately decreases SAV cover.

Higher loads from the watershed increase the concentrations of nutrients in the bay and, accordingly, the larger bay-wide study shows that observed water column nitrogen and phosphorus concentrations reduce SAV through two pathways. Phosphorus promotes phytoplankton blooms (increased Secchi depth), which shade the water column (decreased Secchi measure of clarity) and indirectly reduce SAV by reducing light penetration (Fig. 2). Second, nitrogen acts directly on SAV, presumably by stimulating epiphytic algae that attach to the blades (Fig. 2) (19, 20), or possibly through other mechanisms such as accumulation of sulfides (21). Moreover, the di-

# Text Search Query

NVivo File Edit Create Data Analyze Query Explore Layout View Window Help

Literature Review copy

Home Create Data Analyze

Text Search Word Frequency Coding M

Nodes

Safe drink water  
Sentiment  
Survey Responses  
Water quality

Cases  
Results

Cancel Select

Nodes

Safe drink water  
Sentiment  
Survey Responses  
Water quality

Cases  
Results

Save Results... Save Query...

Exact match only (e.g. "talk")  
Include stemmed words (e.g. "talking")

Modified On Modified By

Query Results Actions

Nodes

Exact match only (e.g. "talk")  
Include stemmed words (e.g. "talking")

Cancel Select

OR development OR developments

Queries Results

Maps

NVivo

File Edit Create Data Analyze Query Explore Layout View Window Help

# Text Search Query

Create Results as New Node

Location: Nodes

Name: Development

Description:

Cancel Save Results

Nodes

Cases

Node Matrices

Source Classifications

Case Classifications

Sets

Memo Links

Annotations

Queries

Results

Maps

Unsaved Query

Allaire, Maura, Wu, Hao... Internals 7 0.10%

Lefcheck, Jonathan S.,... Internals 4 0.07%

Survey Responses Internals 55 2.74%

Development

## Text Search Query

Home Create Data Analyze **Query** Explore Layout View

Text Search Word Frequency Coding Matrix Coding Coding Comparison Last Run Query Add to Stop Words List Other Actions

**Create**

Name	Sources	Referenc...	Created On	Created...	Modified Or...
Development	3	66	Today, 9:43 AM	EC	Today, 9:43 AM
Safe drink water	1	2	Yesterday, 6:10 PM	EC	Yesterday, 6:10 PM
Sentiment	1	1	Yesterday, 9:11 PM	EC	Yesterday, 9:11 PM
Negative	1	4	Yesterday, 9:12 PM	EC	Yesterday, 9:12 PM
Neutral	0	0	Yesterday, 9:13 PM	EC	Yesterday, 9:13 PM
Positive	1	2	Yesterday, 9:12 PM	EC	Yesterday, 9:12 PM

Development

Code Annotations

Summary Reference

[Internals\Allaire, Maura, Wu, Huawei & Lall, Upmanu \(2018\)-13](#)  
7 references coded, 0.10% coverage

Meanwhile, Wallsten and Kosec (9) develop count regressions that relate community

including source water protection and development of procedures for monitoring and

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21). Beyond restored funding, technology developments could enable improved monitoring

Reference 1: 0.01% coverage

Reference 2: 0.02% coverage

Reference 3: 0.01% coverage

Reference 4: 0.02% coverage

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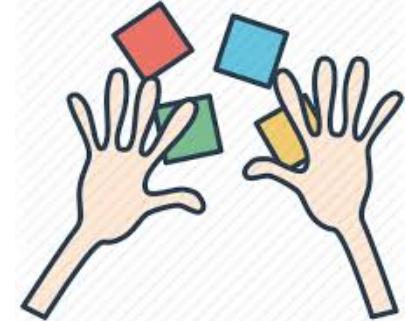
**MAPS**

- Maps

OPEN ITEMS

- Unsaved Query
- Unsaved Query
- Lefcheck, Jonathan S., Orth, Rober...
- Development
- Development

2.



Run a Word Frequency Query with  
your resources

Run a Text Search Query from the  
Word Frequency Query result

5 minutes

NVivo

File Edit Create Data Analyze Query Explore Layout View Window Help

Open Sample Project

New Project ⌘N  
Open Project... ⌘O  
Open Recent ►  
Compact Project...  
**Close** ⌘W  
Save ⌘S  
Revert to Saved  
Open Item ⌘O  
Edit Item F2  
Get Info ⌘I  
Project Properties ⌘,  
Print... ⌘P  
Print List... ⌘P  
Create Copy of Sample Project

Layout View  
Comparison Last Run Query Add to Stop Words List Other Actions  
Actions  
Sources Referen... Created On Created... Modified Or  
3 66 Today, 9:43 AM EC Today, 9:  
1 2 Yesterday, 6:10 PM EC Yesterday  
1 1 Yesterday, 9:11 PM EC Yesterday  
1 4 Yesterday, 9:12 PM EC Yesterday  
0 0 Yesterday, 9:13 PM EC Yesterday  
1 2 Yesterday, 9:12 PM EC Yesterday

Code Annotations

Summary Reference  
[Internals\\Allaire, Maura, Wu, Haowei & Lall, Upmanu \(2018\)-13](#)  
7 references coded, 0.10% coverage  
Reference 1: 0.01% coverage  
Meanwhile, Wallsten and Kosec (9) develop count regressions that relate community  
Reference 2: 0.02% coverage  
including source water protection and development of procedures for monitoring and  
Reference 3: 0.01% coverage  
al. (2006) An approach for developing a national estimate of waterborne  
Reference 4: 0.02% coverage  
21). Beyond restored funding, technology developments could enable improved monitoring

OPEN ITEMS  
Saved Query  
Saved Query  
Lefcheck, Jonathan S., Orth, Rober...  
Development  
Development

NODES > Nodes > Development

Open Sample Project

NVivo File Edit Create Data Analyze Query Explore Layout View Window Help

Welcome to NVivo for Mac  
Version: 11.4.3 (2084)

Create new project Create a new project

**Create a copy of the sample project**  
Explore and experiment with NVivo using the sample project.

Learn about using NVivo Access the Getting Started guide and other learning resources

Access support resources Find answers in the QSR forum and FAQs or contact Customer Support

Open Other...  Show this window when NVivo launches

Save

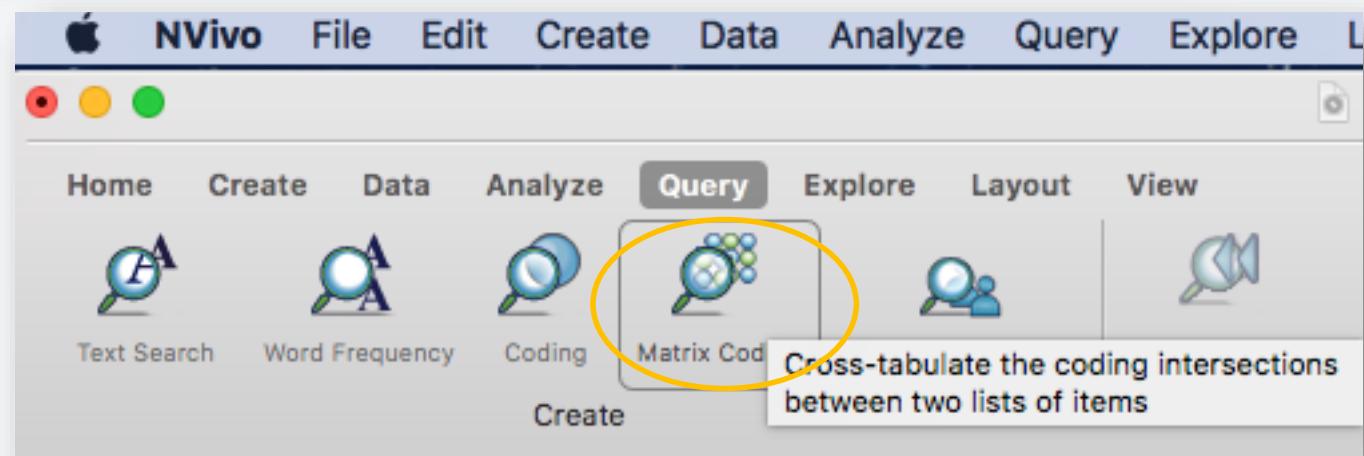
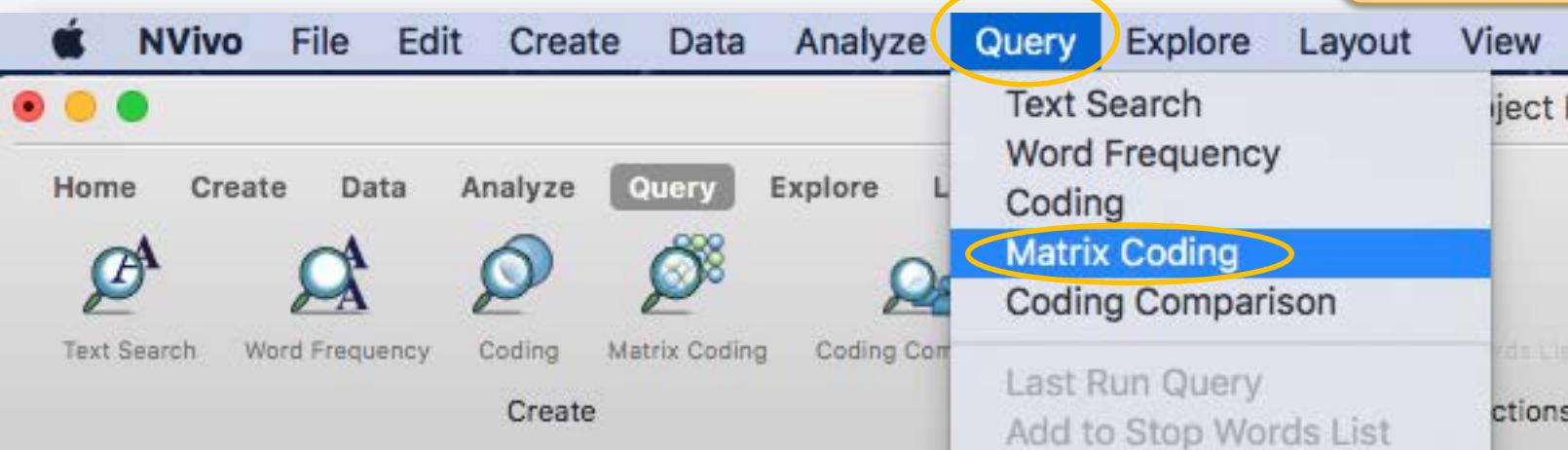
Save As: Sample Project Mac

Tags:

Where: Documents

Cancel Save

# Matrix Coding Query



**Matrix Coding Query**

The screenshot shows the NVivo software interface for a project titled "Sample Project Mac". The top menu bar includes File, Edit, Create, Data, Analyze, Query, Explore, Layout, View, Window, and Help. The main toolbar features icons for Text Search, Word Frequency, Coding, Matrix Coding, and Coding Comparison, along with buttons for Run Query, Store Query Results, and Other Actions.

The left sidebar displays the project structure under "SOURCES", "NODES", "CLASSIFICATIONS", "COLLECTIONS", and "QUERIES". Under "OPEN ITEMS", there is an "Saved Query" section.

The central workspace shows a table titled "Actions" listing various items. The columns include Name, Sources, References, Created On, Created By, Modified On, and Modified By. Items listed include "Attitude", "Balance", "Community change", "Economy", "Infrastructure", "Memorable quotes", and "Natural environment".

The "Matrix Coding Search Criteria" section is expanded, showing search options for "All Sources" (highlighted with a yellow circle), "Selected Items", and "Items in Selected Folders". Below this are sections for "Rows" and "Columns", both with "+" and "-" buttons. A "Node Matrix" button is also present.

At the bottom, there is another "Saved Query" section.

Name	Sources	Referenc...	Created On	Created...	Modified On	Modified By
Attitude	0	0	16 May 2010, 4:05...	WWS	10 Nov 2015, 10:58...	WWS
Balance	6	16	17 May 2010, 10:57...	WWS	23 Oct 2014, 12:43...	WWS
Community change	18	62	16 May 2010, 4:20...	WWS	23 Oct 2014, 12:43...	WWS
Economy	24	302	16 May 2010, 3:38...	WWS	16 Mar 2011, 11:16...	WWS
Infrastructure	11	43	16 May 2010, 3:38...	WWS	10 Nov 2015, 10:41...	WWS
Memorable quotes	5	16	1 Jun 2010, 7:47 PM	EDR	22 Jul 2010, 10:22...	WWS
Natural environment	23	325	16 May 2010, 3:39...	WWS	10 Nov 2015, 10:41...	WWS
Debt	11	20	16 May 2010, 3:47	HDR	10 Nov 2015, 10:40...	WWS

# Matrix Coding Query

Sample Project Mac

Select...	Name	Created On	Modified On
<input checked="" type="checkbox"/>	Barbara	27/5/2010, 7:03...	27/10/2014, 11:3...
<input checked="" type="checkbox"/>	Betty and Paul	27/5/2010, 11:49...	23/10/2014, 1:05...
<input checked="" type="checkbox"/>	Charles	27/5/2010, 7:03...	27/10/2014, 12:0...
<input checked="" type="checkbox"/>	Dorothy	27/5/2010, 7:03...	27/10/2014, 11:3...
<input checked="" type="checkbox"/>	Helen	17/4/2010, 10:59...	27/10/2014, 12:0...
<input checked="" type="checkbox"/>	Ken	27/5/2010, 11:36...	27/10/2014, 12:0...
<input checked="" type="checkbox"/>	Margaret	27/5/2010, 7:03...	27/10/2014, 11:3...
<input checked="" type="checkbox"/>	Maria and Daniel	27/5/2010, 7:03...	27/10/2014, 11:41...
<input checked="" type="checkbox"/>	Mary and James	27/5/2010, 7:03...	27/10/2014, 12:0...
<input checked="" type="checkbox"/>	Richard and Patricia	27/5/2010, 7:03...	27/10/2014, 11:5...
<input checked="" type="checkbox"/>	Robert	27/5/2010, 7:03...	27/10/2014, 11:5...

Internals

- Area and To.
- Interviews
- Literature
- News Article
- Social Media
- Survey
- Externals
- Memos
- Nodes
- Cases
- Sets

Folder Name

Search

?

Cancel Select

# Matrix Coding Query

Sample Project Mac

Home Create Data Analyze **Query** Explore Layout View

Text Search Word Frequency Coding Matrix Coding Coding Comparison

Last Run Query Add to Stop Words List Other Actions

Create Actions

Name	Sources	Referen...	Created On	Created...	Modified On	Modified By
Attitude	0	0	16 May 2010, 4:05...	WWS	10 Nov 2015, 10:58...	WWS
Balance	6	16	17 May 2010, 10:57...	WWS	23 Oct 2014, 12:43...	WWS
Community change	18	62	16 May 2010, 4:20...	WWS	23 Oct 2014, 12:43...	WWS
Economy	24	302	16 May 2010, 3:38...	WWS	16 Mar 2011, 11:16...	WWS
Infrastructure	11	43	16 May 2010, 3:38...	WWS	10 Nov 2015, 10:41...	WWS
Memorable quotes	5	16	1 Jun 2010, 7:47 PM	EDR	22 Jul 2010, 10:22...	WWS
Natural environment	23	325	16 May 2010, 3:39...	WWS	10 Nov 2015, 10:41...	WWS
... 10 more items ...	11	30	16 May 2010, 3:47	WWS	10 Nov 2015, 10:58	WWS

Unsaved Query

Matrix Coding Search Criteria

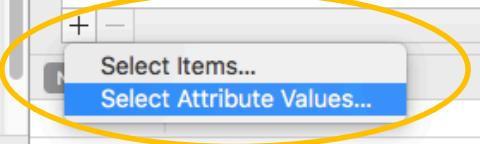
Search in: All Sources Selected Items Items in Selected Folders

Run Query Save Results... Save Query...

Rows: Columns:

+ - + -

Select Items... Select Attribute Values...



Sample Project Mac

Matrix Coding Query

Home Create Data Analyze **Query** Explore Layout View

Text Search Word Frequency Coding Matrix Coding Coding Comparison

Last Run Query Add to Stop Words List Other Actions

Create Actions

SOURCES

Name	Sources	Referen...	Created On	Created...	Modified On	Modified By
0	0	16 May 2010, 4:05...	WWS	10 Nov 2015, 10:58...	WWS	
6	16	17 May 2010, 10:57...	WWS	23 Oct 2014, 12:43...	WWS	
18	62	16 May 2010, 4:20...	WWS	23 Oct 2014, 12:43...	WWS	
24	302	16 May 2010, 3:38...	WWS	16 Mar 2011, 11:16...	WWS	
11	43	16 May 2010, 3:38...	WWS	10 Nov 2015, 10:41...	WWS	
5	16	1 Jun 2010, 7:47 PM	EDR	22 Jul 2010, 10:22...	WWS	
23	325	16 May 2010, 3:39...	WWS	10 Nov 2015, 10:41...	WWS	
11	22	16 Jun 2010, 2:17...	HCR	10 Nov 2015, 10:22...	WWS	

Run Query Save Results... Save Query...

Nodes

Age Group

- Unassigned
- Not Applicable
- 30 - 39
- 40 - 49
- 50 - 59
- 60 - 69
- 70 - 79
- 80 - 89

Commercial Fishing Community Education Level Gender

Cancel Select Attribute Values

Node Matrix

OPEN ITEMS

Unsaved Query

Unsaved Query

Sample Project Mac

# Matrix Coding Query

**Home Create Data Analyze Query Explore Layout View**

**Create**

**Actions**

Name	Sources	Referenc...	Created On	Created...	Modified On	Modified By
► Attitude	0	0	16 May 2010, 4:05...	WWS	10 Nov 2015, 10:58...	WWS
► Balance	6	16	17 May 2010, 10:57...	WWS	23 Oct 2014, 12:43...	WWS
► Community change	18	62	16 May 2010, 4:20...	WWS	23 Oct 2014, 12:43...	WWS
► Economy	24	302	16 May 2010, 3:38...	WWS	16 Mar 2011, 11:16...	WWS
► Infrastructure	11	43	16 May 2010, 3:38...	WWS	10 Nov 2015, 10:41...	WWS
► Memorable quotes	5	16	1 Jun 2010, 7:47 PM	EDR	22 Jul 2010, 10:22...	WWS
► Natural environment	23	325	16 May 2010, 3:39...	WWS	10 Nov 2015, 10:41...	WWS
► Politics	22	10	16 May 2010, 3:47...	LDR	10 Nov 2015, 10:40...	WWS

**SOURCES**

- Internals
- Externals
- Memos

**NODES**

- Nodes
  - Autocoded Responses
  - Autocoded Social Media

**CASES**

**Node Matrices**

**CLASSIFICATIONS**

- Source Classifications
- Case Classifications

**COLLECTIONS**

- Sets
- Memo Links
- Annotations

**QUERIES**

- Queries
- Results

**OPEN ITEMS**

**Unsaved Query**

**Unsaved Query**

**Run Query**

**Store Query Results**

**Other Actions**

**Actions**

**Rows:**

- Person:Age Group = 50 - 59
- Person:Age Group = 60 - 69
- Person:Age Group = 70 - 79
- Person:Age Group = 80 - 89

**Columns:**

**Select Items...**

**Select Attribute Values...**

# Matrix Coding Query

Sample Project Mac

All Nodes With Coding

Select...	Name	Created On	Modified On
<input type="checkbox"/>	Attitude	16 May 2010, 4:05...	10 Nov 2015, 10:5...
<input checked="" type="checkbox"/>	Mixed	16 May 2010, 4:06...	23 Oct 2014, 12:4...
<input checked="" type="checkbox"/>	Negative	16 May 2010, 4:05...	23 Oct 2014, 12:4...
<input checked="" type="checkbox"/>	Neutral	26 Jun 2010, 8:24...	30 Jun 2010, 5:31...
<input checked="" type="checkbox"/>	Positive	16 May 2010, 4:05...	23 Oct 2014, 12:4...
<input type="checkbox"/>	Balance	17 May 2010, 10:5...	23 Oct 2014, 12:4...
<input type="checkbox"/>	Community change	16 May 2010, 4:20...	23 Oct 2014, 12:4...
<input type="checkbox"/>	Economy	16 May 2010, 3:38...	16 Mar 2011, 11:16...
<input type="checkbox"/>	Infrastructure	16 May 2010, 3:38...	10 Nov 2015, 10:4...
<input type="checkbox"/>	Memorable quotes	1 Jun 2010, 7:47 PM	22 Jul 2010, 10:22...
<input type="checkbox"/>	Natural environment	16 May 2010, 3:39...	10 Nov 2015, 10:4...

Nodes

Interviews  
Literature  
News Article  
Social Media  
Survey  
Externals  
Memos  
Nodes  
Autocoded...  
Autocoded...  
Cases  
Results

Folder Name

?

Cancel Select

The screenshot shows a software interface for managing project files and coding. On the left, a sidebar lists project components like Interviews, Literature, and Nodes. The Nodes folder is highlighted with a yellow circle. Inside the Nodes folder, several sub-nodes are listed: Attitude, Mixed, Negative, Neutral, Positive, Balance, Community change, Economy, Infrastructure, Memorable quotes, and Natural environment. The Positive node is currently selected, indicated by a blue selection bar and a checked checkbox. The main area displays a table of these nodes with columns for Name, Created On, and Modified On. The Positive node's row is also highlighted with a blue selection bar. At the bottom right, there are 'Cancel' and 'Select' buttons, with 'Select' being circled in yellow.

Sample Project Mac

Home Create Data Analyze **Query** Explore Layout View

Text Search Word Frequency Coding Matrix Coding Coding Comparison

Last Run Query Add to Stop Words List Other Actions

Create Actions

**SOURCES**

- Internals
- Externals
- Memos

**NODES**

- Nodes
  - Autocoded Responses
  - Autocoded Social Media
- Cases
- Node Matrices

**CLASSIFICATIONS**

- Source Classifications
- Case Classifications

**COLLECTIONS**

- Sets
- Memo Links
- Annotations

**QUERIES**

- Queries
- Results

OPEN ITEMS

Unsaved Query

Unsaved Query

Name	Sources	Referen...	Created On	Created...	Modified On	Modified By
Attitude	0	0	16 May 2010, 4:05...	WWS	10 Nov 2015, 10:58...	WWS
Balance	6	16	17 May 2010, 10:57...	WWS	23 Oct 2014, 12:43...	WWS
Community change	18	62	16 May 2010, 4:20...	WWS	23 Oct 2014, 12:43...	WWS
Economy	24	302	16 May 2010, 3:38...	WWS	16 Mar 2011, 11:16...	WWS
Infrastructure	11	43	16 May 2010, 3:38...	WWS	10 Nov 2015, 10:41...	WWS
Memorable quotes	5	16	1 Jun 2010, 7:47 PM	EDR	22 Jul 2010, 10:22...	WWS
Natural environment	23	325	16 May 2010, 3:39...	WWS	10 Nov 2015, 10:41...	WWS
Political correctness	11	20	16 May 2010, 3:47...	EDR	10 Nov 2015, 10:40...	WWS

Unsaved Query

Matrix Coding Search Criteria

Search in: All Sources Selected Items Items in Selected Folders

Run Query Save Results... Save Query...

Rows:

- Person:Age Group = 50 - 59
- Person:Age Group = 60 - 69
- Person:Age Group = 70 - 79
- Person:Age Group = 80 - 89

Columns:

- Nodes\\Attitude\\Mixed
- Nodes\\Attitude\\Negative
- Nodes\\Attitude\\Neutral
- Nodes\\Attitude\\Positive

Node Matrix

# Matrix Coding Query

**SOURCES**

- Internals
- Externals
- Memos

**NODES**

- Nodes
  - Autocoded Responses
  - Autocoded Social Media

**CASES**

**Node Matrices**

**CLASSIFICATIONS**

- Source Classifications
- Case Classifications

**COLLECTIONS**

- Sets
- Memo Links
- Annotations

**QUERIES**

- Queries
- Results

**MAPS**

- Maps

**OPEN ITEMS**

**Query**

**Explore**

**Layout**

**View**

**Actions**

Name	Sources	Referen...	Created On	Created...	Modified On	Modified By
Attitude	0	0	16 May 2010, 4:05...	WWS	10 Nov 2015, 10:58...	WWS
Balance	6	16	17 May 2010, 10:57...	WWS	23 Oct 2014, 12:43...	WWS
Community change	18	62	16 May 2010, 4:20...	WWS	23 Oct 2014, 12:43...	WWS
Economy	24	302	16 May 2010, 3:38...	WWS	16 Mar 2011, 11:16...	WWS
Infrastructure	11	43	16 May 2010, 3:38...	WWS	10 Nov 2015, 10:41...	WWS
Memorable quotes	5	16	1 Jun 2010, 7:47 PM	EDR	22 Jul 2010, 10:22...	WWS
Natural environment	23	325	16 May 2010, 3:39...	WWS	10 Nov 2015, 10:41...	WWS

**Unsaved Query**

**Matrix Coding Search Criteria**

Search in: All Sources Selected Items Items in Selected Folders

Run Query Save Results... Save Query...

Rows:

- Person:Age Group = 50 - 59
- Person:Age Group = 60 - 69
- Person:Age Group = 70 - 79
- Person:Age Group = 80 - 89

Columns:

- Nodes\Attitude\Mixed
- Nodes\Attitude\Negative
- Nodes\Attitude\Neutral
- Nodes\Attitude\Positive

**Node Matrix**

	A : Mixed	B : Negative	C : Neutral	D : Positive
1 : Person:Age Group = 30 - 39	0	12	0	13
2 : Person:Age Group = 40 - 49	4	48	5	51
3 : Person:Age Group = 50 - 59	7	89	5	80
4 : Person:Age Group = 60 - 69	11	72	6	67
5 : Person:Age Group = 70 - 79	6	32	7	31
6 : Person:Age Group = 80 - 89	0	4	0	4

**Unsaved Query**

## Matrix Coding Query

**Home Create Data Analyze **Query** Explore Layout View**

**Text Search Word Frequency Coding Matrix Coding Coding Comparison**

**Last Run Query Add to Stop Words List Other Actions ▾**

**Create Actions**

**SOURCES**

- Internals
- Externals
- Memos

**NODES**

- Nodes

  - Autocoded Responses
  - Autocoded Social Media

- Cases
- Node Matrices

**CLASSIFICATIONS**

- Source Classifications
- Case Classifications

**COLLECTIONS**

- Sets
- Memo Links
- Annotations

**QUERIES**

- Queries
- Results

**MAPS**

- Maps

**OPEN ITEMS**

**Unsaved Query**

**Unsaved Query**

**Name**

	Name	Sources	Referen...	Created On	Created...	Modified On	Modified By
▶	Attitude	0	0	16 May 2010, 4:05...	WWS	10 Nov 2015, 10:58...	WWS
▶	Balance	6	16	17 May 2010, 10:57...	WWS	23 Oct 2014, 12:43...	WWS
▶	Community change	18	62	16 May 2010, 4:20...	WWS	23 Oct 2014, 12:43...	WWS
▶	Economy	24	302	16 May 2010, 3:38...	WWS	16 Mar 2011, 11:16...	WWS
▶	Infrastructure	11	43	16 May 2010, 3:38...	WWS	10 Nov 2015, 10:41...	WWS
▶	Memorable quotes	5	16	1 Jun 2010, 7:47 PM	EDR	22 Jul 2010, 10:22...	WWS
▶	Natural environment	23	325	16 May 2010, 3:39...	WWS	10 Nov 2015, 10:41...	WWS
▶	Debt	11	28	16 May 2010, 3:47	EDR	10 Nov 2015, 10:42...	WWS

**Unsaved Query**

**Matrix Coding Search Criteria**

Search in: All Sources Selected Items ▾ Items in Selected Folders ▾

Run Query Save Results... Save Query...

**Rows:**

- Person:Age Group = 50 - 59
- Person:Age Group = 60 - 69
- Person:Age Group = 70 - 79
- Person:Age Group = 80 - 89

**Columns:**

- Nodes\Attitude\Mixed
- Nodes\Attitude\Negative
- Nodes\Attitude\Neutral
- Nodes\Attitude\Positive

**Node Matrix**

	A : Mixed	B : Negative	C : Neutral	D : Positive
1 : Person:Age Group = 30 - 39	0	12	0	13
2 : Person:Age Group = 40 - 49	4	48	5	51
3 : Person:Age Group = 50 - 59	7	89	5	80
4 : Person:Age Group = 60 - 69	11	72	6	67
5 : Person:Age Group = 70 - 79	6	32	7	31
6 : Person:Age Group = 80 - 89	0	4	0	4

**Open Node Matrix Cell**

Export... Print... Copy...

**Cell Content**

**Cell Shading** ▾

None

Blue-White

Green-Yellow-Red

Red-Yellow-Green

Blue-Yellow-Red

Red-Yellow-Blue

**Last Run Query**

**Store Query Results...**

Sample Project Mac

# Matrix Coding Query

**Home Create Data Analyze **Query** Explore Layout View Window Help**

**Text Search Word Frequency Coding Matrix Coding Coding Comparison**

**Last Run Query Add to Stop Words List Other Actions**

**Create Actions**

**SOURCES**

- Internals
- Externals
- Memos

**NODES**

- Nodes

  - Autocoded Responses
  - Autocoded Social Media

- Cases
- Node Matrices

**CLASSIFICATIONS**

- Source Classifications
- Case Classifications

**COLLECTIONS**

- Sets
- Memo Links
- Annotations

**QUERIES**

- Queries
- Results

**MAPS**

- Maps

**OPEN ITEMS**

**Unsaved Query**

**Name**

	Name	Sources	Referenc...	Created On	Created...	Modified On	Modified By
▶	Attitude	0	0	16 May 2010, 4:05...	WWS	10 Nov 2015, 10:58...	WWS
▶	Balance	6	16	17 May 2010, 10:57...	WWS	23 Oct 2014, 12:43...	WWS
▶	Community change	18	62	16 May 2010, 4:20...	WWS	23 Oct 2014, 12:43...	WWS
▶	Economy	24	302	16 May 2010, 3:38...	WWS	16 Mar 2011, 11:16...	WWS
▶	Infrastructure	11	43	16 May 2010, 3:38...	WWS	10 Nov 2015, 10:41...	WWS
▶	Memorable quotes	5	16	1 Jun 2010, 7:47 PM	EDR	22 Jul 2010, 10:22...	WWS
▶	Natural environment	23	325	16 May 2010, 3:39...	WWS	10 Nov 2015, 10:41...	WWS
▶	Politics	11	20	16 Jun 2010, 2:47...	HCP	10 Nov 2015, 10:58...	WWS

**Unsaved Query**

**Matrix Coding Search Criteria**

Search in: All Sources Selected Items Items in Selected Folders

Run Query Save Results... Save Query

Rows:

- Person:Age Group = 30 - 39
- Person:Age Group = 40 - 49
- Person:Age Group = 50 - 59
- Person:Age Group = 60 - 69
- Person:Age Group = 70 - 79
- Person:Age Group = 80 - 89

Columns:

- Nodes\Attitude\Mixed
- Nodes\Attitude\Negative
- Nodes\Attitude\Neutral
- Nodes\Attitude\Positive

**Node Matrix**

	A : Mixed	B : Negative	C : Neutral	D : Positive
1 : Person:Age Group = 30 - 39	0	12	0	13
2 : Person:Age Group = 40 - 49	4	48	5	51
3 : Person:Age Group = 50 - 59	7	89	5	80
4 : Person:Age Group = 60 - 69	11	72	6	67
5 : Person:Age Group = 70 - 79	6	32	7	31
6 : Person:Age Group = 80 - 89	0	4	0	4

**Open Node Matrix Cell**

**Export...** (highlighted)

Print

Copy

Cell Content ►

Cell Shading ►

Transpose

Row ►

Column ►

Reset Settings

**Unsaved Query**

## Matrix Coding Query

Home Create Data Analyze **Query** Explore Layout View

Text Search Word Frequency Coding Matrix Coding Coding Comparison Last Run Query Add to Stop Words List Other Actions

Create Actions

Name	Sources	Referenc...	Created On	Created...	Modified On	Mod
► Attitude	0	0	16 May 2010, 4:05...	WWS	10 Nov 2015, 10:58...	V
► Balance	6	16	17 May 2010, 10:57...	WWS	23 Oct 2014, 12:43...	V
► Community change	18	62	16 May 2010, 4:20...	WWS	23 Oct 2014, 12:43...	V
► Economy	24	302	16 May 2010, 3:38...	WWS	16 Mar 2011, 11:16...	V
► Infrastructure	11	43	16 May 2010, 3:38...	WWS	10 Nov 2015, 10:41...	V
► Memorable quotes	5	16	1 Jun 2010, 7:47 PM	EDR	22 Jul 2010, 10:22...	V
► Natural environment	23	325	16 May 2010, 3:39...	WWS	10 Nov 2015, 10:41...	V
► Personal growth	11	20	16 May 2010, 3:47...	LDR	10 Nov 2015, 10:40...	V

[Person:Age Group = 40 - 49, Mixed]

**Summary** **Reference**

**Internals\\Interviews\\Barbara**  
1 reference coded, 1.69% coverage

Reference 1: 1.69% coverage

But it's interesting. Sometimes it's tough when people can't build the house on their land  
that they inherited or can't do anything with their land, but I understand the limitations also

**Find occurrences**

**Internals\\Survey\\Survey Responses**  
3 references coded, 0.58% coverage

Reference 1: 0.19% coverage

beautiful but in peril

[Person:Age Group = 40 - 49, Mixed]

## Matrix Coding Query

Home Create Data Analyze **Query** Explore Layout View

Text Search Word Frequency Coding Matrix Coding Coding Comparison Last Run Query Add to Stop Words List Other Actions

Create Actions

Name	Sources	Referen...	Created On	Created...	Modified On	Mod
► Attitude	0	0	16 May 2010, 4:05...	WWS	10 Nov 2015, 10:58...	V
► Balance	6	16	17 May 2010, 10:57...	WWS	23 Oct 2014, 12:43...	V
Community change	18	62	16 May 2010, 4:20...	WWS	23 Oct 2014, 12:43...	V
► Economy	24	302	16 May 2010, 3:38...	WWS	16 Mar 2011, 11:16...	V
► Infrastructure	11	43	16 May 2010, 3:38...	WWS	10 Nov 2015, 10:41...	V
Memorable quotes	5	16	1 Jun 2010, 7:47 PM	EDR	22 Jul 2010, 10:22...	V
► Natural environment	23	325	16 May 2010, 3:39...	WWS	10 Nov 2015, 10:41...	V
► Politics	11	20	16 Jun 2010, 9:47	LDR	10 Nov 2015, 10:58...	V

**Barbara**

I got a degree in geology. When I came back here with my husband, I had done plenty of field mapping and working with GIS, and so I got a job with a soil scientist here who helps people try to get septic permits – and environmental field assessments, watershed mapping, wetland delineation.

**Henry**

*What kind of insight has that given you into the area, given your particular professional angle?*

**Barbara**

Well, the one thing is that it's very low. The land is so low and the water table is so high. And it's tough for people to get septic permits. As environmental standards have gotten more stringent, some local people that have inherited land are finding that they can't get a permit, or they have but they have to install a very, very expensive pretreatment system, which is too much to pay for. And so I've seen it be a challenge for local people who are trying to stay where they grew up. And so that's a big limiting factor right now for development, which is okay. But it's interesting. Sometimes it's tough when people can't build the house on their land that they inherited or can't do anything with their land, but I understand the limitations also. It's critical to maintain the water quality.

OPEN ITEMS

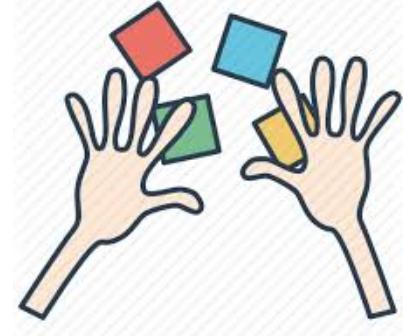
Unsaved Query  
[Person:Age Group = 40 - 49, Mixed]  
Barbara

SOURCES > Internals > Interviews > Barbara

3.

Run a Matrix Coding Query with the  
sample project

5 minutes



# Agenda

Part 1	1. Overview	40 min.
	2. Import bibliographic data from EndNote	
	Exercise and Break	
Part 2	3. Coding Queries	40 min.
	Exercise and Break	10 min.
Part 3	4. Import survey data	30 min.
	Exercise and Break	10 min.
Round up	5. Import document, image, audio and video files	20 min.
	6. Backup your project file & other resources	5 min.
	Q&A	5 min.

170 min.