

Introduction to Nvivo: Qualitative Coding for Literature Reviews

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Spring 2021



Northeastern University
NULab for Texts, Maps, and Networks

*Feel free to ask questions at any point
during the presentation!*

Group Discussion

When you're reading for research, school, or professional reasons, how do you **annotate** and keep notes about what you are reading and learning?



Activity: Highlighting Themes

- Read the excerpt from Martin Luther King Jr.'s "Letter from Birmingham Jail"
- Come up with three themes you might want to highlight from this text; these themes should be about 1-3 words (ex: "police brutality")
- Underline the moments in the passage that reflect these themes.



Workshop Agenda

- Workshop objectives
- Sample NVivo project
- What is NVivo?
- Important vocabulary and functions
- NVivo demonstration
- Hands-on activity

Slides & handouts at <http://bit.ly/diti-spring2021-singer>



Workshop Objectives

- Understand what qualitative coding is and why it can be useful while doing research
- Understand what NVivo is as a research tool and what it can do
- Learn the differences between NVivo file types and why knowing this is important
- Learn important NVivo-specific vocabulary to aid independent research



Qualitative Coding

In our beginning activity, we practiced a form of **qualitative coding** together.

Qualitative coding is when you create a list of themes, or a **schema**, that you want to highlight in a primary/secondary source. Then, you go through all your sources and highlight particular moments from the text according to those themes.



Example: Dr. Singer's Project

For Dr. Singer's newest project, he and his research assistants are using NVivo to store and code/annotate important resources, texts, scholarly articles, and ideas. Each NVivo project is a book chapter.

The screenshot shows the NVivo software interface. On the left, there is a navigation pane with sections: DATA (Files, File Classifications, Externals), CODES (Nodes, highlighted in blue), CASES (Cases, Case Classifications), NOTES (Memos, Annotations, Memo Links), and SEARCH (Queries, Query Results, Node Matrices). At the bottom of the navigation pane is an 'OPEN ITEMS' button. To the right of the navigation pane is a list of nodes under the heading 'Name'. The nodes listed are: Board Introductions, Demographics, Age at Offense, Race, Dysfunctional System, Final Statement, Hearing Information, Institutional Adjustment, Legal Representation, Offender Presence, Offender's Statement, Offense, Reasons, Reentry Plans, Speech Acts, Testimony Against Release, and Testimony Support Release. The 'Antonio F Codebook' tab is selected at the top right. Below the codebook tab, there are sections for 'Additional' and 'Acknowledgment: Parole Boar'.



What is NVivo?

NVivo is a **text analysis** and **research organization** software that is available through MyNEU. NVivo provides methods for you to annotate and code documents using user-created tags (nodes/codes), summarize and visualize these codes, and organize research materials.

NVivo is particularly helpful for organizing and annotating research materials such as:

- Secondary sources: scholarly articles you read for the literature review, newspaper articles, book chapters.
- Primary sources: any primary sources you may be analyzing such as interview transcripts, texts, or field notes
- Your own notes about your project (you can even compose in NVivo)



Nvivo for Annotating & Coding Sources

With NVivo, you can store and organize your **primary** and **secondary** sources together (most file types work, including images).

NVivo also allows you to **annotate** texts and use **qualitative coding** methods to highlight specific texts/images/pieces under themes.

Then you can **summarize** and **visualize** these annotations and codes.



What can NVivo do?

NVivo is designed for qualitative coding research materials, such as survey results, interviews, audio recording, text documents, articles, and other data formats. It also has other functions:

- create projects that store, organize, and code documents/files
- provide a method for you to code your documents with a user-created coding schema (nodes)
- query, summarize, organize, and visualize information about your coding
- conduct forms of computational text analysis, like word counts, on the documents themselves



Differences between NVivo & Citation Management

Citation management software (e.g., Endnote, Mendeley, RefWorks, Zotero, etc.) are great for organizing your sources, tagging sources, collating notes, and producing bibliographies.

NVivo is primarily for coding interviews, surveys, primary sources, and other sources for analysis and comparison. NVivo is more complicated to use, but can produce powerful visualizations and more detailed comparisons of sources.

You can import your data from your citation management software of choice into NVivo.



NVivo is NOT crossplatform friendly

The Mac and PC versions of Nvivo—as well as the version numbers—are different and have different file types.

- Mac NVivo projects end in .npvx and can only open that file project type
- Windows NVivo projects end in .npv, but can open both .npv *and* .npvx
- Version numbers (10, 11, 12) also impact which projects can be opened on which platform

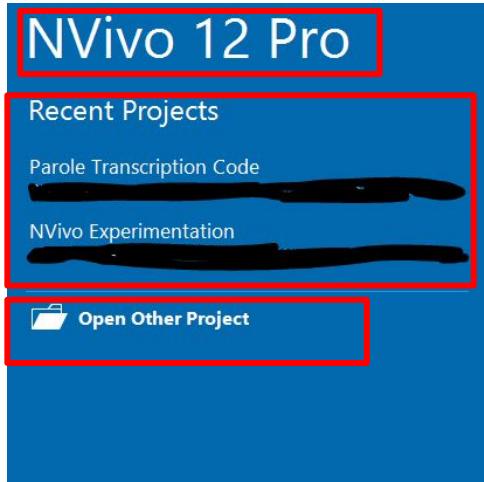


Anatomy of NVivo: Opening on Windows

Your version number (you should have version **11** or **12**)

The recent projects you opened

Open another project that is not recent



Create a new **project** (stores all your documents, codes, etc)



Blank Project



Sample Project

Learn and Connect

Research Ready

to be best in any point of view.
Research search for, analyze, examine into facts or principles

Get your research ready for NVivo

Getting Started



NVivo quick steps tutorial

Customer Success Center

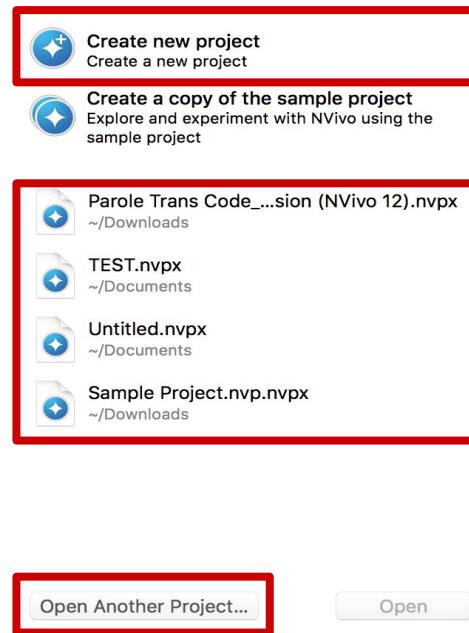
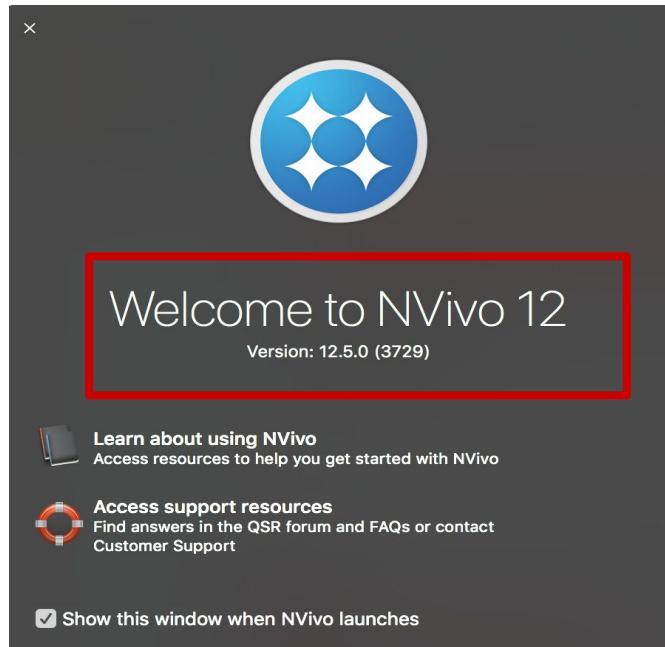


Courses, resources & support



Anatomy of NVivo: Opening on Macs

Your version number (you should have version **11** or **12**)



Create a new **project** (stores all your documents, codes, etc)

The recent projects you opened

Open another project that is not recent



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Anatomy of NVivo: Projects on Windows

Toolbar to access functions

The screenshot shows the NVivo 12 Pro application window. At the top is a toolbar with various icons for file operations like Import, Create, Explore, Share, and analysis functions like Query, Visualize, Code, Auto Code, Range Coding, Case Classification, File Classification, and Workspace. Below the toolbar is a menu bar with File, Home, Import, Create, Explore, Share, and a separator line followed by Paste, Cut, Copy, Properties, Open, Merge, Item, Explore, Query, Visualize, Code, Auto Code, Range Coding, Case Classification, File Classification, List View, Sort By, Detail View, Unlock, Navigation View, and Workspace. On the left is a sidebar with sections for Quick Access (Files, Memos, Nodes), Data (Files, File Classifications, External), Codes (Codes, Nodes, Relationships, Relationship Types), Cases (Cases, Case Classifications), Notes, Search, Maps, and Output. The main area has two panes: a left pane showing a list of files and nodes, and a right pane showing an annotation of a transcript. The right pane title is "Amann_Reasons Transcription" and contains the text: "Michael Amann (Reasons)" followed by a large block of text about parole and personal history.

Menu to access files, nodes, cases, notes, etc.

List of nodes, files, etc.

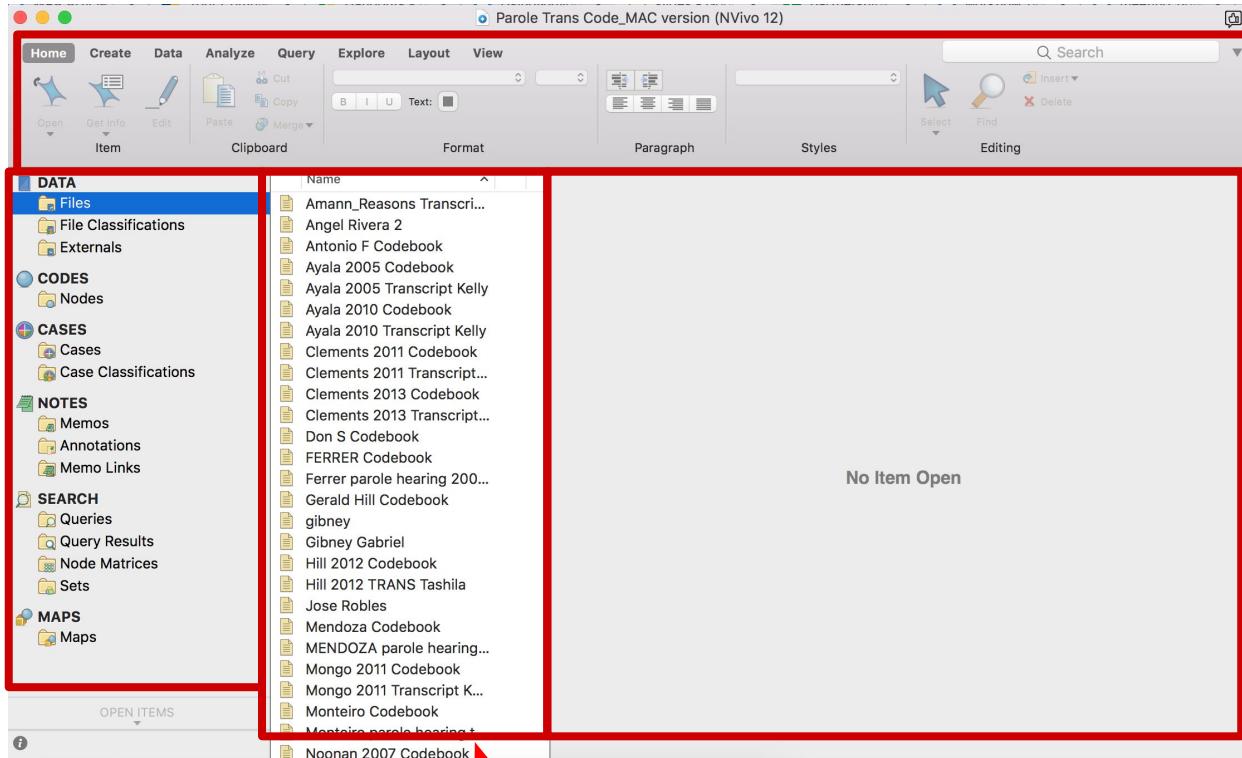
The window that will open the files, queries, etc. You can annotate documents here.



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Anatomy of NVivo: Projects on Macs



Menu to access files, nodes, cases, notes, etc.

Toolbar to access functions

The window that will open the files, queries, etc. You can annotate documents here.

List of nodes, files, etc.

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NVivo Vocabulary

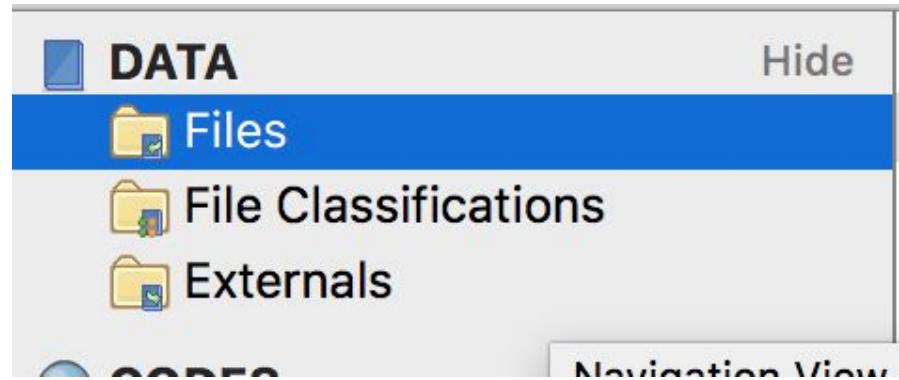
Full definitions available on the handout

- **Data:** your research documents & files
- **Codes:** the ways to annotate the themes/concepts in your research.
- **Nodes:** the themes/concepts that are user-created
- **Relationships:** coding connections between two data items
- **Cases:** units of analysis for your research.
- **Maps:** visualization tool to see connections between the cases and nodes
- **Query:** a flexible way to explore and analyze your files, cases, and nodes



Data

The “Data” in NVivo are all the research materials you are using (scholarly articles, transcriptions, newspapers, research notes, etc.).



“Files” will be where you can access all the research materials you have imported into this project.



Important Reminders

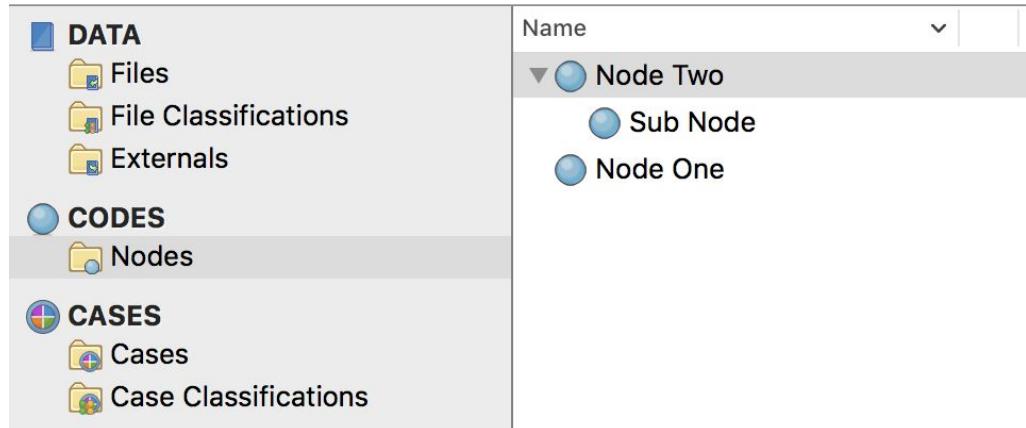
NVivo can import all types of files, including .docx, .pdf, .doc, .csv, .png, .jpeg, .txt, video/audio files, and more.

You should always **save** your original documents on your local computer or in cloud storage, even if these documents are imported into NVivo. NVivo can store documents, but it is more of a useful organization and analysis tool, rather than a storage option.



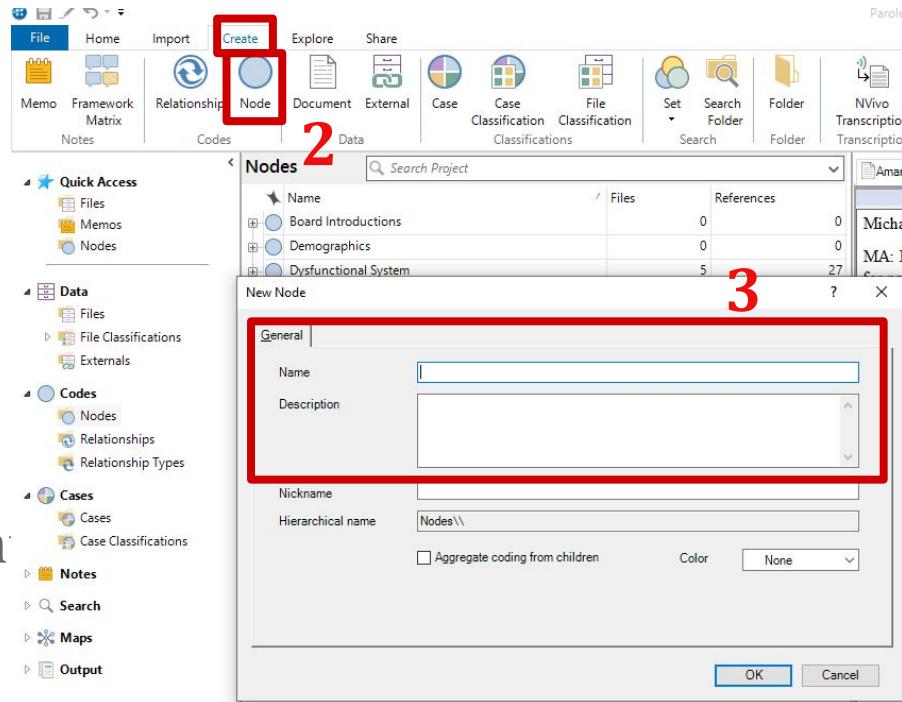
Codes and Nodes

The list of nodes you will use to code your files. The “nodes” folder will be empty until you add your own! You can add nodes and sub-nodes



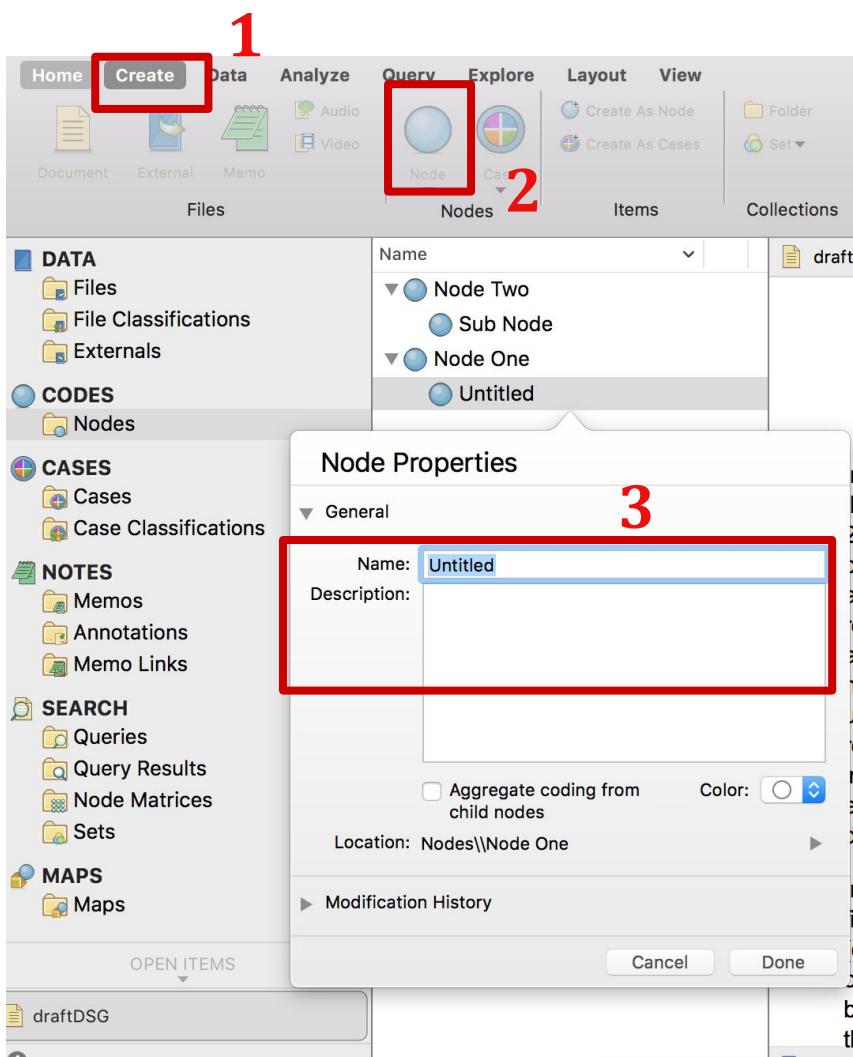
Creating Nodes (Windows) 1

1. Go to “Create” in the toolbar
2. Click “Node”
3. Your new node will pop up and ask for a name and description
 - a. To add a *subnode*, follow the same steps, but click on the original node where you want to add the subnode



Creating Nodes (Macs)

1. Go to “Create” in the toolbar
2. Click “Node”
3. Your new node will pop up and ask for a name and description
 - a. To add a *subnode*, follow the same steps, but click on the original node where you want to add the subnode



Coding Files/Documents (Windows)

1. Open the file you would like to annotate
2. Highlight the text you want to code
3. Drag and drop the selection onto a node.
4. Alternatively, you can right-click and select “Code”
5. You can also add new nodes/cases as you annotate.

The screenshot shows the NULab interface. On the left, the 'Nodes' panel lists several nodes with their names, file counts, and reference counts. A red arrow points from the 'Board Introduction' node in this list to a highlighted text selection in the transcription window on the right. In the transcription window, a context menu is open over the highlighted text, with the 'Code...' option highlighted by a red box. The transcription text discusses a Board meeting and the user's worthiness as a candidate.

Name	Files	References
Board Introduction	0	0
Demographics	0	0
Dysfunctional System	5	27
Final Statement	0	0
Hearing Information	0	0
Institutional Adjustment	2	2
Legal Representation	0	0

Transcription Window:

Michael Amann (Reasons)

MA: I am writing to thank this Board for considering whether or not I am a worthy candidate for part-time employment. I have concerns that you may have. I do take full responsibility for my actions. I am a person who could take my anger out on others. My defense attorney, Ms. Kathleen Boardman. At the time of the hearing, I was someone who could take my anger out on others. I have done and deserve all the blame for what I have done and committed and the pains that I have caused. I have committed and the pains that I have caused.

Code... Ctrl+F2

Code In Vivo Ctrl+F8

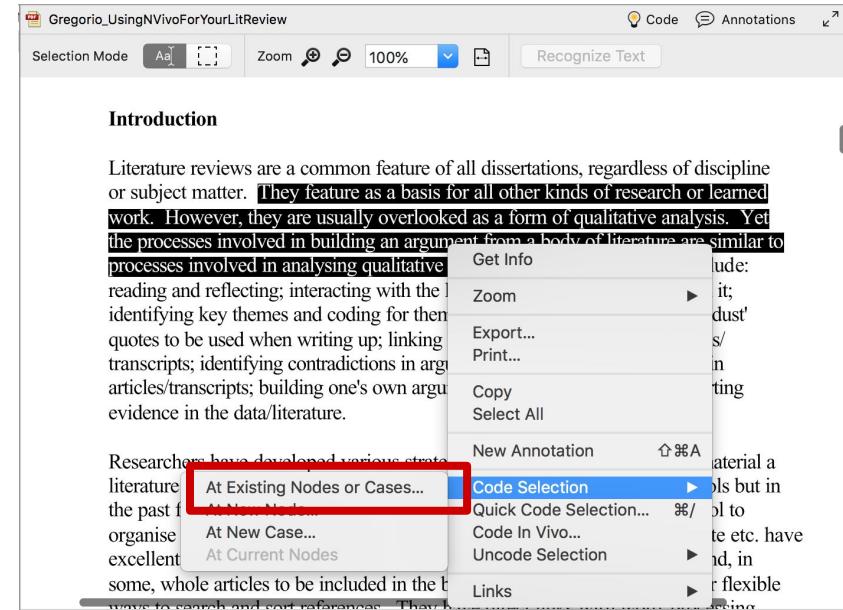
Uncode... Ctrl+Shift+F2

Uncode from Recent Nodes



Coding Files/Documents (Macs)

1. Open the file you would like to annotate
2. Highlight the text you want to code
3. Right click and go to “Code Selection”
4. Click “At Existing Nodes or Cases”
 - a. Once you use nodes, the nodes will show up when you click “Code Selection”
 - b. You can also add new nodes/cases as you annotate



View Your Codes (Windows)

1. Go to “Document” in the toolbar
2. Click “Highlight” then “All Coding”
3. Click “Coding Stripes” and “All Coding” to see the code names and where they appear in the document.
 - a. If you have tagged an entire file as a “case,” everything will be highlighted. Simply choose “Coding for Selected Items”

The screenshot shows the NVivo 12 Pro software interface. Step 1 highlights the 'Document' tab in the top-left corner. Step 2 highlights the 'Highlight' button in the toolbar, which is expanded to show the 'All Coding' option. Step 3 highlights the 'Coding Stripes' button in the toolbar, which is also expanded to show the 'All Coding' option. The main window displays a transcript from 'Ayala 2010 Transcript Kelly'. A red box highlights the text: 'C- 20 years have gone by. So I know, when I look at your record, I should see some significant changes in a 15-year-old boy that did that crime. That has painted that particular area, and those individuals in that area, in the Boston, Dorchester, and Roxbury community. I know that you've done significant programming since then, right? You've changed your life.' Below this, there are annotations: 'A- Yes', 'C- What have you done?', 'A- Um, Violence, Violence Reductions, um, Cognitive Thinking.', 'C- I don't see any sex offender treatment.', and 'A- I have not taken the sex offender treatment program. I've asked to go over to the treatment'. To the right, a sidebar titled 'Coding Density' shows the presence of codes like 'Mitigation', 'Gang Membership', 'Strong Diction', and 'Board Opinion of Crime'.

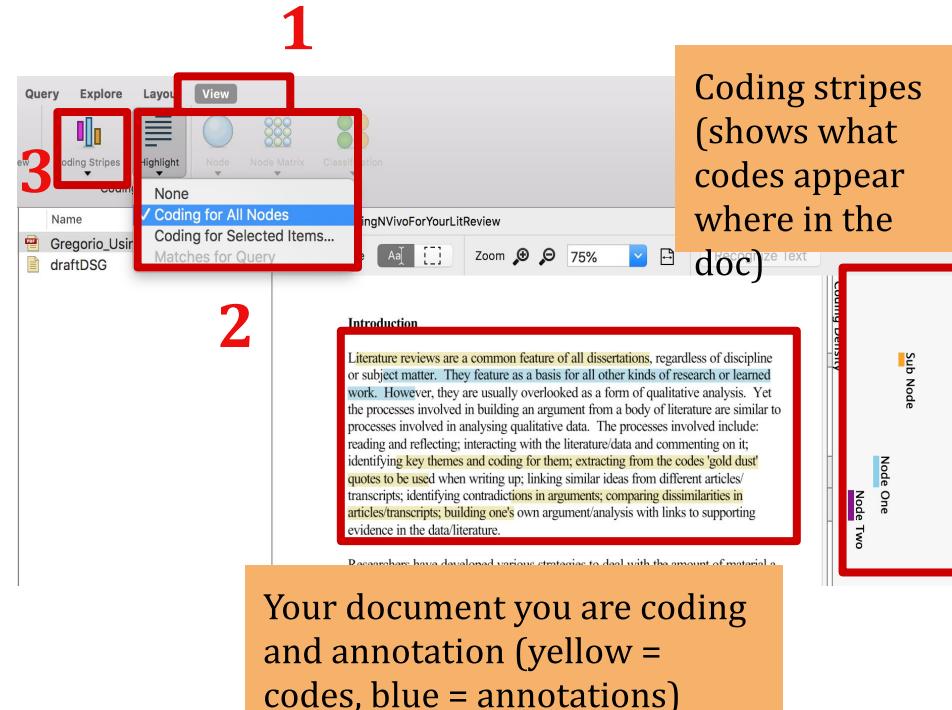
The document you are coding and annotations

Coding stripes
(shows what codes appear where in the doc)



View Your Codes (Macs)

1. Go to “View” in the toolbar
2. Click “Highlight” then “Coding for All Nodes”
3. Click “Coding Stripes” and “All Nodes Coding” to see the code names and where they appear in the document.
 - a. If you have tagged an entire file as a “case,” everything will be highlighted. Simply choose “Coding for Selected Items”



Annotating Files (Windows)

To annotate (comment), follow the same steps as coding except instead click “New Annotation” after you highlight and right click. Find all your annotations in the “Notes/Annotations” section in the left menu

The screenshot shows the NULab software interface. On the left, there is a vertical navigation menu with sections like Quick Access, Data, Codes, Cases, and Notes. The Notes section is highlighted with a red box. In the center, there is a window titled "Annotations" with a search bar. Below the search bar is a table with columns "File Name" and "Number". One row in the table is highlighted with a red box and contains the text "Amann_Reasons Transcription". A large orange box labeled "List of annotations" is positioned below the table. To the right of the table, a large portion of a document is shown with several lines of text highlighted with red boxes. A specific annotation is shown in a callout box with the text "This is an annotation".

Annotations

File Name Number

Amann_Reasons Transcription

List of annotations

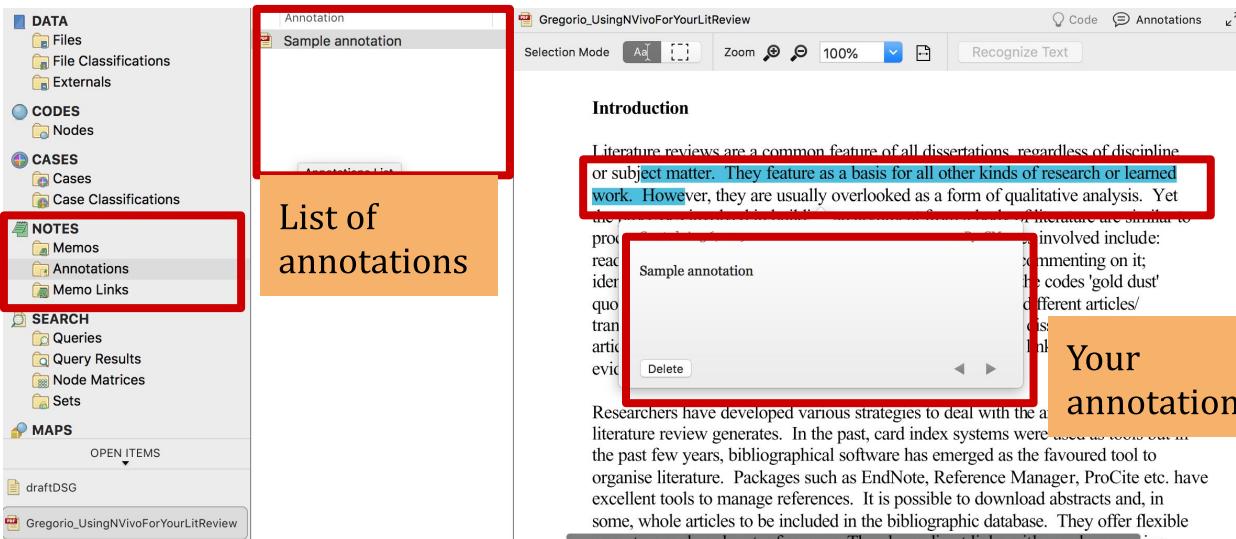
Where you can find all your annotations listed

This is an annotation

The text from the document you highlighted and are annotating

Annotating Files (Macs)

To annotate (comment), follow the same steps as coding except instead click “New Annotation” after you highlight and right click. Find all your annotations in the “Notes/Annotations” section in the left menu



Where you can find all your annotations listed

The text from the document you highlighted and are annotating

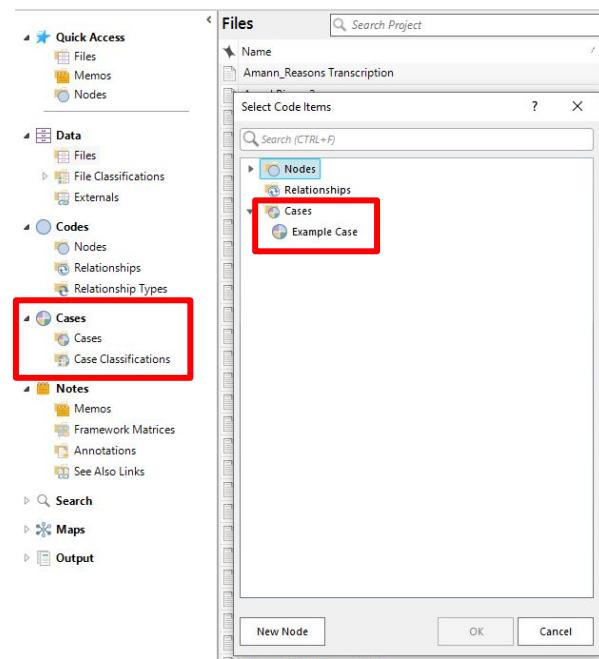
Your annotation

Cases (Windows)

Cases are the types of research texts in your project and can be organized based on the user's choice. **"They might represent people, places, events, organizations or other entities that you want to analyze and compare."** For example, if you have several transcripts from different trials, but want to categorize the type of trial for each text, you would use cases to do so.

- "About Cases", [NVivo](#)

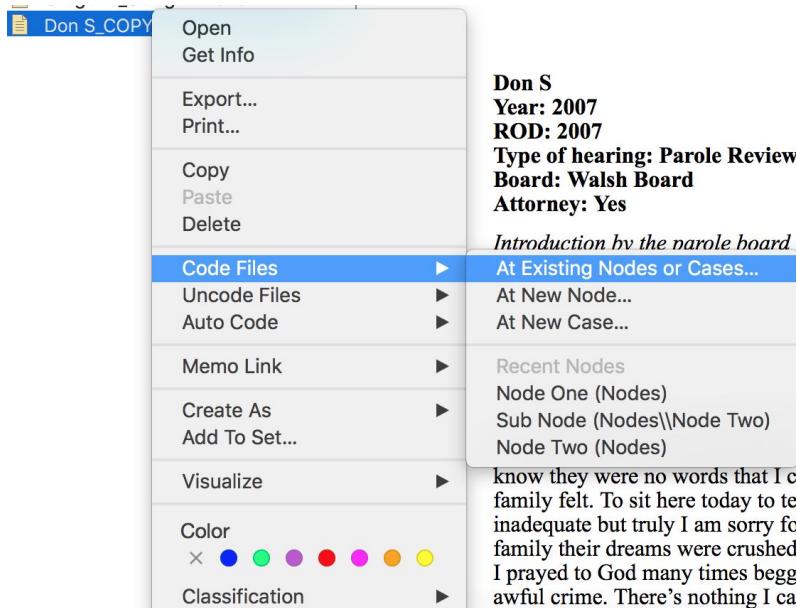
To add a “case” to a file, it’s the same method as adding a node, except you choose the “Cases” folder and the proper case.



Feel free to ask questions at any point during the presentation!



To add a “case” to a file, it’s the same method as adding a node, except you choose the “Cases” folder and the proper case.



Cases (Macs)



Query

Querying, or asking something from your data, in NVivo provides multiple ways to explore both your codes and your text.

- **Word Frequency:** Counts the number of times words (with stopwords removed) appear in one or more files
- **Coding:** Shows the number of codes, the text that was coded, and the files
- **Crosstab:** cross reference nodes and case classifications. For example, you might want to know how often a particular node appears in both scholarly articles and your primary texts.



Word Frequency Example (Windows)

“Query” can be found in the “Explore” Tab

Alternatively, you can right click on a file and select Query

To query multiple items, select the items you would like to query in the “Selected Items” tab and then click “Run Query”

The screenshot shows the NVivo interface with the 'Explore' tab selected in the ribbon. In the 'Files' pane, several project files are listed, and the 'Selected Items...' tab is highlighted with a red box. A context menu is open over one of the files, with the option 'Word Frequency Query in This Document' highlighted with a red box. To the right, the 'Word Frequency Query Results' dialog is open, showing a table of word frequencies. The 'Run Query' button in the dialog is also highlighted with a red box.

Word	Length	Count	Weighted Percentage (%)
time	4	13	1.40
inaudible	9	12	1.29
know	4	11	1.18
mean	4	10	1.08
assault	7	8	0.86
feel	4	8	0.86
care	4	6	0.65
codefendant	11	6	0.65
...	5	6	0.65
...	4	6	0.65
...	6	6	0.65
...	5	6	0.65
...	4	6	0.65
...	6	5	0.54
...	8	4	0.41

Word Frequency Example (Mac)

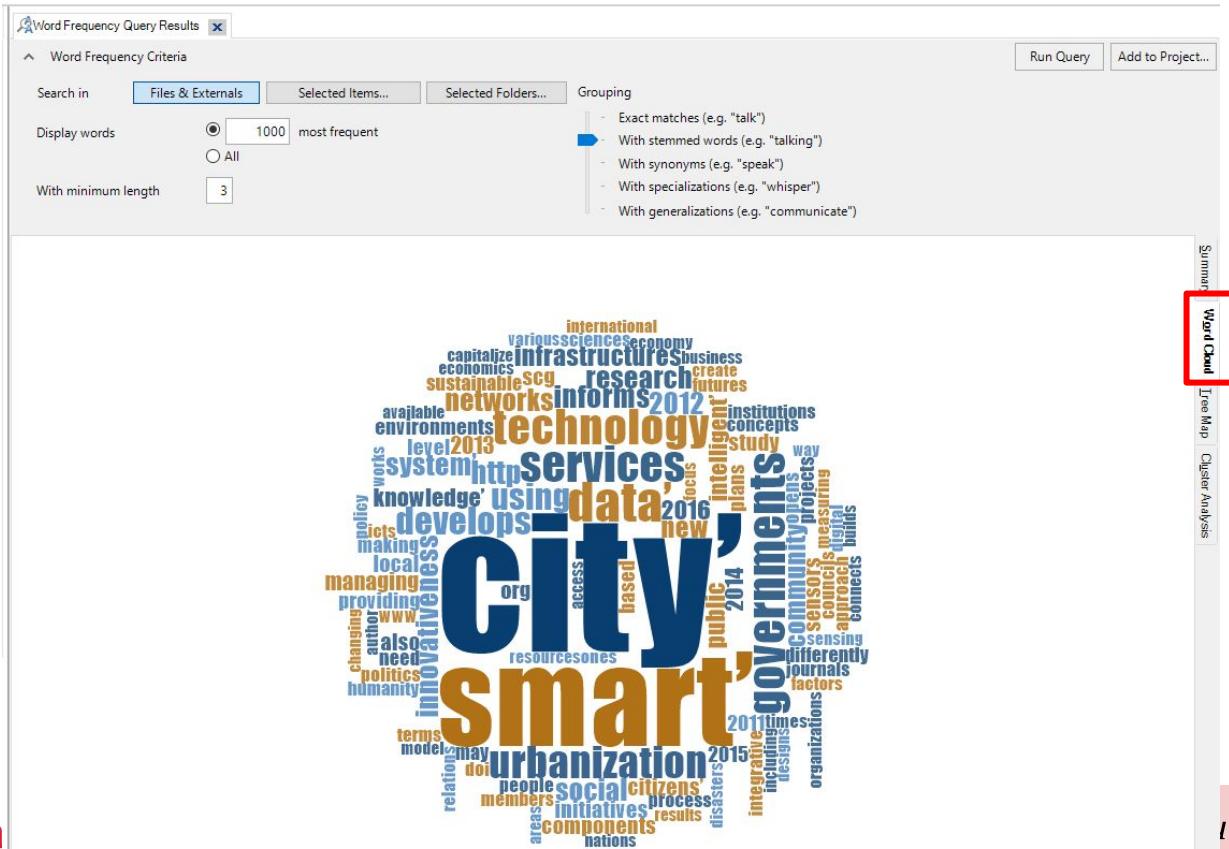
Select the items you would like to query in the “Selected Items” tab and then click “Run Query”

The screenshot shows the NVivo software interface for performing a word frequency analysis. On the left, a sidebar lists project files under 'Name': 'Vilcica (2016)', 'Lavin-Loucks and Levan (...)', 'Gregorio_UsingNVivoForY...', and 'Don S_COPY_Transcript_2...'. The 'Selected Items' tab is highlighted with a red box. At the top right, there are buttons for 'Run Query' and 'Save Query...' also highlighted with a red box. The main area displays the 'Word Frequency Criteria' settings: 'Search in: Files and Externals' (radio button for 'Selected Items' is selected), 'Display words: 1000 most frequent' (radio button for 'most frequent' is selected), and a minimum length of '3'. Below this is a table titled 'Summary' showing word frequency statistics:

Word	Length	Count	Weighted Percentage
parole	6	525	3.45%
board	5	172	1.13%
decision	8	105	0.69%
time	4	93	0.61%
release	7	83	0.55%
offense	7	68	0.45%
decisions	9	66	0.43%
inmates	7	60	0.39%
neutralization	14	57	0.37%
criminal	8	54	0.35%
members	7	54	0.35%
hearings	8	52	0.34%
research	8	51	0.34%
served	6	50	0.33%
study	5	50	0.33%
also	4	49	0.32%
justice	7	49	0.32%
offender	8	49	0.32%
prior	5	47	0.31%



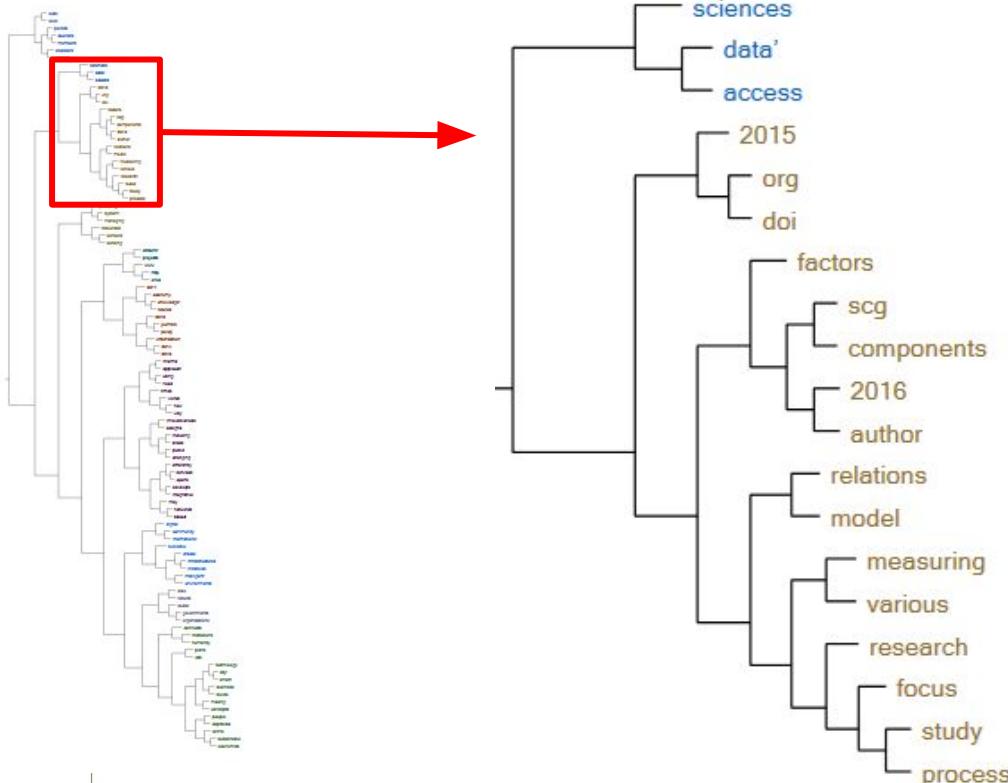
Other Word Frequencies: Word Clouds



*uestions at any point
presentation!*



Other Word Frequencies: Clusters



Cross Tab Example

Select the nodes you would like to cross reference with the cases or attributes, then click “Run Query.”

The screenshot shows a software window titled "Unsaved Query". On the left, there's a table with three rows: "Nodes", "Sub Node", and "Total". The columns are "Primary Text", "Scholarly Article", and "Total". The data is: Sub Node has 2 Primary Text and 8 Scholarly Article, totaling 10; Total has 2 Primary Text and 8 Scholarly Article, totaling 10. To the right of the table is a "Run Query" button, which is highlighted with a red box. Below the table is a large orange box containing the text "Your results". To the right of the table are two sections: "Nodes" and "Cases". The "Nodes" section contains a single node "Sub Node". The "Cases" section contains two cases: "Primary Text" and "Scholarly Article". Each of these sections has a plus sign (+) at the bottom left, which is also highlighted with a red box. To the right of these sections is another orange box containing the text "Selected nodes (click the plus sign)". Below the "Cases" section is a "Show node against" dropdown menu with "Attributes" and "Cases" options, where "Cases" is selected. At the bottom of each section is a set of scroll bars.

Feel free to ask questions at any point during the presentation!



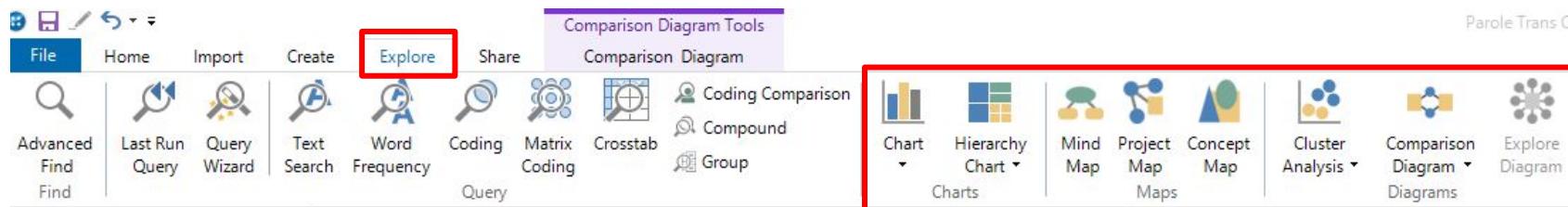
Exploring Codes (Windows)

Chart: bar chart of the number of times codes were used in a file

Hierarchy chart: visualizes number of codes used in a file

Explore Diagram: explore the codes used in a file

Comparison Diagram: compare the nodes used in multiple files



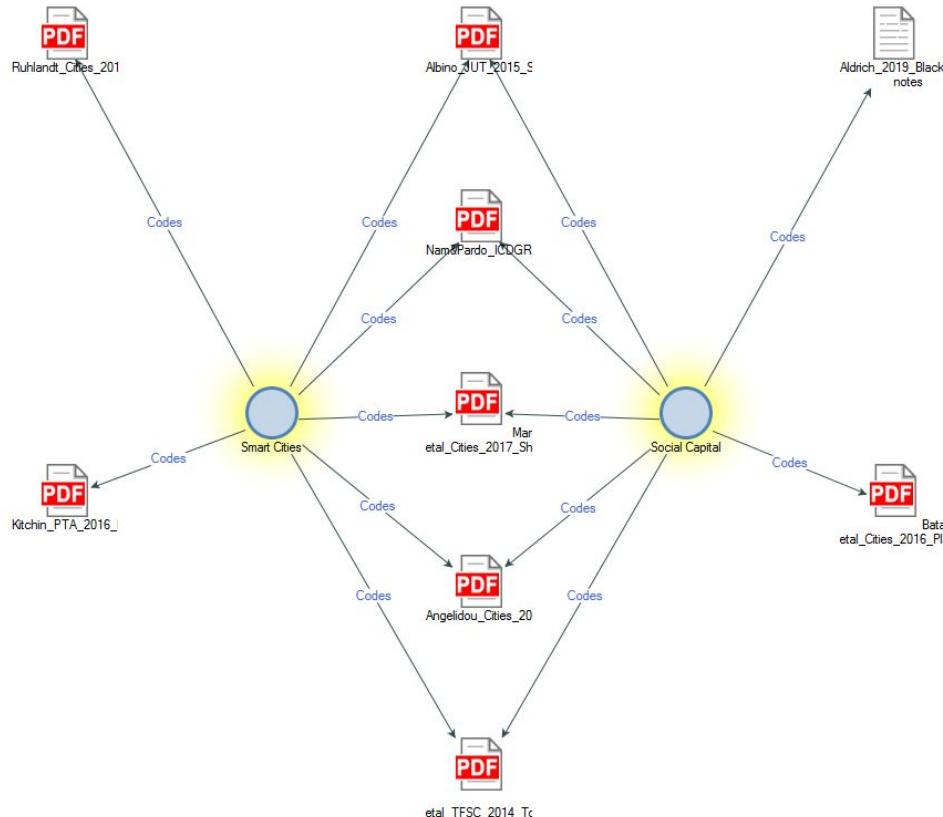
Exploring Codes (Macs)

Comparison diagram example

The screenshot shows the NVivo software interface with the 'Explore' tab selected in the top navigation bar. The left sidebar contains categories like 'CODES', 'CASES', 'NOTES', and 'SEARCH'. The main area displays a 'Comparison Diagram' showing relationships between nodes and files. A file named 'draftDSG' is connected to a node labeled 'Node One', which has a sub-node labeled 'Sub Node'. Another node labeled 'Node Two' is also connected to the same node. A PDF file named 'Gregorio_UsingNVivoForYourLitReview' is connected to the same node. Arrows indicate the direction of the code links, labeled 'Codes'.



Comparison Diagram Example



Corpus Cluster Analysis Example



REMINDER:

**NVivo is NOT cross-platform friendly.
When sharing your projects, save them
as .QDPX (or .npvx) files and send those
instead.**

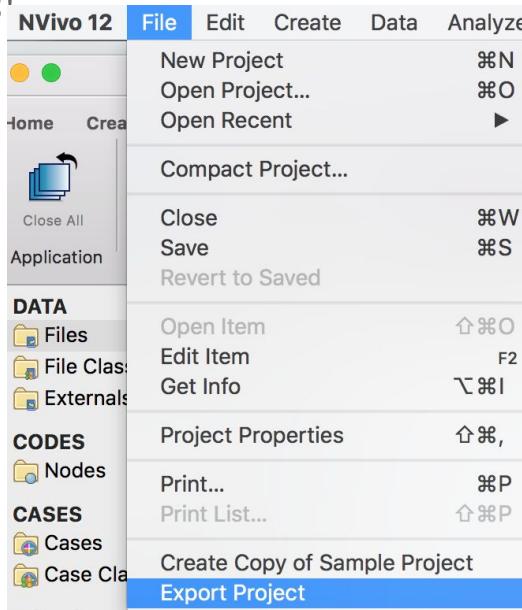


Export Your Projects

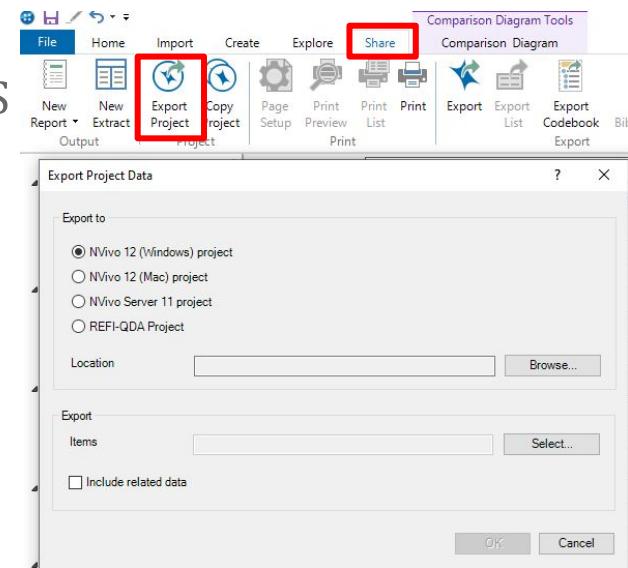
Since there is a cross-platform problem, **export your projects as .qdpx (or .npvx)** files when submitting assignments so they can be opened on both Macs and

Windows!

MACS



WINDOWS



Alternative Imports



Use “Import” to import from different statistical software and survey-taking options.

You can easily import from a variety of citation management software

You can also import from other note taking and email services.

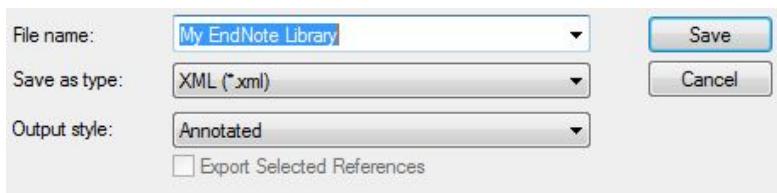


Importing From Citation Managers

File types:

- EndNote (.xml)
- Mendeley (.ris, .txt)
- RefWorks (.ris, .txt)
- Zotero (.ris, .txt)

EndNote (file -> export ->
save as type: XML)



Import from: C:\Users\skobka\Documents\Northeastern\5th semester\DTI\crim 4949\My EndNote Library 5.xml

File encoding:

Name by: Title

Assign to: A single classification (Reference)

Already linked: 0 of 3 records in your reference library are already linked to existing NVivo files

Replace classification and attribute values of existing files, externals & memos
 Replace memo contents with abstract, keywords and notes
 Assign attribute values to memos

To be linked: 0 of 3 records in your reference library will be linked to existing NVivo files

Replace classification and attribute values of existing files, externals & memos
 Replace memo contents with abstract, keywords and notes
 Assign attribute values to memos

Import new: 3 of 3 records in your reference library will not be linked to existing NVivo files

Import unmatched records as new files

Create Files in: Files Select...
Create externals in: Externals Select...

Import content from file attachments, URLs or figures where available
 Create memos from abstract, keywords and notes
 Assign attribute values to memos

Advanced... Import Cancel



Importing From OneNote

If you use OneNote or Evernote, you can import by logging into your account. With OneNote, you can then select the pages you would like to import. You can import as either a .pdf or an editable text document.

Import from OneNote

You are signed in as garrettmorrow@msn.com.

You can import individual pages or entire notebooks from your Microsoft account.

Select pages to import

	Name	Modified On	Previously Imported
All pages not previously imported			
<input type="checkbox"/>	Northeastern	04/07/2020 04:47 PM	
<input type="checkbox"/>	Books and Articles	11/26/2019 07:48 PM	
<input type="checkbox"/>	Chekinov and Bogdanov - MT - The Nature and Content of a New-Generation War	07/12/2019 01:23 PM	
<input checked="" type="checkbox"/>	Jacobs - Death and Life of Great American Cities	07/11/2019 06:02 PM	
<input checked="" type="checkbox"/>	Marshall - TLR - 2015 - Rating the Cities	08/02/2019 08:07 PM	
<input type="checkbox"/>	Montgomery - Happy Cities	07/11/2019 06:06 PM	
<input type="checkbox"/>	Kahan - UPaLR - 2008 - Two Conceptions of Emotion in Risk Regulation	08/02/2019 06:20 PM	
<input checked="" type="checkbox"/>	Saez - 2014 - Income and Wealth Inequality: Evidence and Policy Implications	07/12/2019 01:24 PM	
<input checked="" type="checkbox"/>	Stahl - FULJ - 2017 - Preemption, Federalism, and Local Democracy	08/08/2019 01:55 PM	
<input checked="" type="checkbox"/>	Tiebout - JPE - 1956 - Pure Theory of Local Expenditure	08/02/2019 06:20 PM	
<input type="checkbox"/>	Web Articles	07/11/2019 05:56 PM	
<input checked="" type="checkbox"/>	Bliss - CityLab - 2019 - The Demise of Rockefeller's 100 Resilient Cities - CityLab	07/11/2019 07:09 PM	
<input checked="" type="checkbox"/>	Florida - CityLab - 2019A 4-Point Plan for Revitalizing Poor Neighborhoods	11/26/2019 07:48 PM	
<input checked="" type="checkbox"/>	Surico - CityLab - 2019 - From Dead Store to Pop-Up 'Social Infrastructure'	09/11/2019 03:35 PM	
<input checked="" type="checkbox"/>	Wilson - Next City - 2019 - When Green Infrastructure Is an Anti-Poverty Strategy - N	07/11/2019 06:05 PM	
<input type="checkbox"/>	Ideas and Thoughts	03/25/2020 04:05 PM	
<input type="checkbox"/>	Title and Tao Guide	04/07/2020 04:47 PM	

How would you like to import the selected pages? 

Import as PDFs to retain layout and formatting 

Import as Documents to allow editing

Import Cancel



Importing From Outlook

You can also import from Outlook, so if you do interviews via email, you can directly export the email change as a .msg file and then import into EndNote for immediate coding.

Files Search Project

Name	Codes	Referen
OGrady&OHare_Science_2012_HowSmartIsYourCity	4	4
OGrady&OHare_Science_2012_HowSmartIsYourCity notes	1	1
Origins of Homophily in an Evolving Social Network	0	0
Paradigms and Sand Castles~ Theory Building and Research Design in C	0	0
Places where wildfire potential and social vulnerability coincide in the co	0	0
Planning in the Era of Information and Communication Technologies: Di	0	0
Policy Analysis by Design	0	0
Policy Design for Democracy	0	0
Policy Feedback Theory	0	0
Policy Makes Mass Politics	0	0
Political Cleavages and Changing Exposure to Trade	0	0
Political Science and the Three New Institutionalisms	0	0
Political Trust, Satisfaction and Voter Turnout	0	0
Politics in Time~ History, Institutions, and Social Analysis	0	0
Poor People in Rich Nations~ The United States in Comparative Perspect	0	0
Poortinga_H&P_2011_CommunityResilienceHealthSocialCapital	2	3
Population-Based Survey Experiments	0	0
Probabilistic Topic Models	0	0
Problematising Resilience~ Implications for Planning Theory and Practic	0	0
Process Tracing~ From Metaphor to Analytic Tool	0	0
Public Opinion, Policy Tools, and the Status Quo~ Evidence from a Surve	0	0
Punctuated Equilibrium and the Supreme Court~ Punctuated Equilibriu	0	0
Quantitative Methods in Practice~ Readings from PS	0	0
Quantitative Social Science~ An Introduction	0	0
Re~ Consultation for Fall 2020 DITI Module 4-1-2020 12:52 PM	2	6
Reconstituting the Submerged State~ The Challenges of Social Policy Re	0	0
Regulating by Robot~ Administrative Decision Making in the Machine-L	0	0
Representation in an Era of Political and Economic Inequality~ How and	0	0
Resilient Cities, Resilient Lives~ Learning From the 100RC Network	0	0
Rethinking Social Inquiry~ Diverse Tools, Shared Standards	0	0
Reversing the Null~ Regulation, Deregulation, and the Power of Ideas	0	0
Ruhlandt_Cities_2018_GovernanceSmartCities	8	16
Ruhlandt_Cities_2018_GovernanceSmartCities notes	0	0
School Vouchers~ A Critical View	0	0

Re~ Consultation for Fall 2020 DITI Module 4-1-2020 12:52 PM

From: Cara Messina
Sent: 4-1-2020 12:52 PM
To: "Singer, Simon" <s.singer@northeastern.edu>
Cc: "Garrett Morrow" <morrow.g@northeastern.edu>
Subject: Re: Consultation for Fall 2020 DITI Module

Dear Garrett and Simon,

I will be there! Looking forward to it! Hope you both are safe!

Best,
Cara

On Tue, Mar 31, 2020 at 3:24 PM Singer, Simon <s.singer@northeastern.edu> wrote:

Just schedule us in! See you then, SIS

Simon I. Singer, Professor, Northeastern University
School of Criminology and Criminal Justice, 427 Churchill
Boston, MA 02115
617-373-7446; EMAIL: s.singer@neu.edu

From: Garrett Morrow <morrow.g@northeastern.edu>
Sent: Tuesday, March 31, 2020 1:55 PM
To: Singer, Simon <s.singer@northeastern.edu>; Garrett Morrow <morrow.g@husky.neu.edu>; Cara Messina <messina.c@husky.neu.edu>
Subject: Re: Consultation for Fall 2020 DITI Module

Hello Simon,

at any point presentation!



Organization of Nodes & Files

- There is no one correct way to create nodes and organize your literature!
- Coding will likely require iteration and refinement over time as you continue to understand what is in your corpus.
 - Cycle: Begin reading → code → continue reading → refine codes
- Consider your research question closely and what codes might lend themselves to answer the question.



How to Open .QDPX files

- When the file is downloaded, right click the file, click Open With and choose “NVivo”
- If NVivo is not an option, open NVivo, click Open Project, and navigate to the .qpdx file
- When you go to open the file, you will be prompted to create a new project. Make sure to title the project a memorable name!



Demonstration of Tool

Using our own data and literature review in-progress, we will quickly show you how to input the documents, code, and visualize your codes.

You will be doing this on your own in a minute, so take this time to watch and ask questions!



Your Turn

Using articles you have collected for your literature review (or the sample articles), practice:

- Inputting the documents
- Creating nodes/cases
- Coding the documents
- Visualizing your codes

Find slides & data at <http://bit.ly/diti-spring2021-singer>



Group Discussion

- What did you find surprising or interesting in your exploration of the tool?
- What are some challenges you faced? How might you work with these as you move forward?
- How else might you use NVivo in your future studies/career?



Thank you!

If you have any questions, contact DITI at nulab.info@gmail.com

**Developed by Garrett Morrow and
Cara Marta Messina**
Digital Integration Teaching Initiative
DITI Research Fellow

**Taught by Milan Skobic and
Vaishali Kushwaha**
Digital Integration Teaching Initiative
DITI Teaching Fellows

Slides, handouts, and data available at <http://bit.ly/diti-spring2021-singer>

Schedule an appointment with us! <https://calendly.com/diti-nu>



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NULab for Texts, Maps, and Networks

*Feel free to ask questions at any point
during the presentation!*