

PURDUE
LIBERAL ARTS

Research Workshop

QSR's NVivo

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THINK BROADLY.
LEAD BOLDLY.

Agenda

- Introductions
- What is Nvivo & background
- Amanda's Research
- Bjørn's Research
- Individual Work Time
- Resources
- Wrap Up

NVivo

- NUD*IST
- QSR International
- Purdue Campus License



Things to know

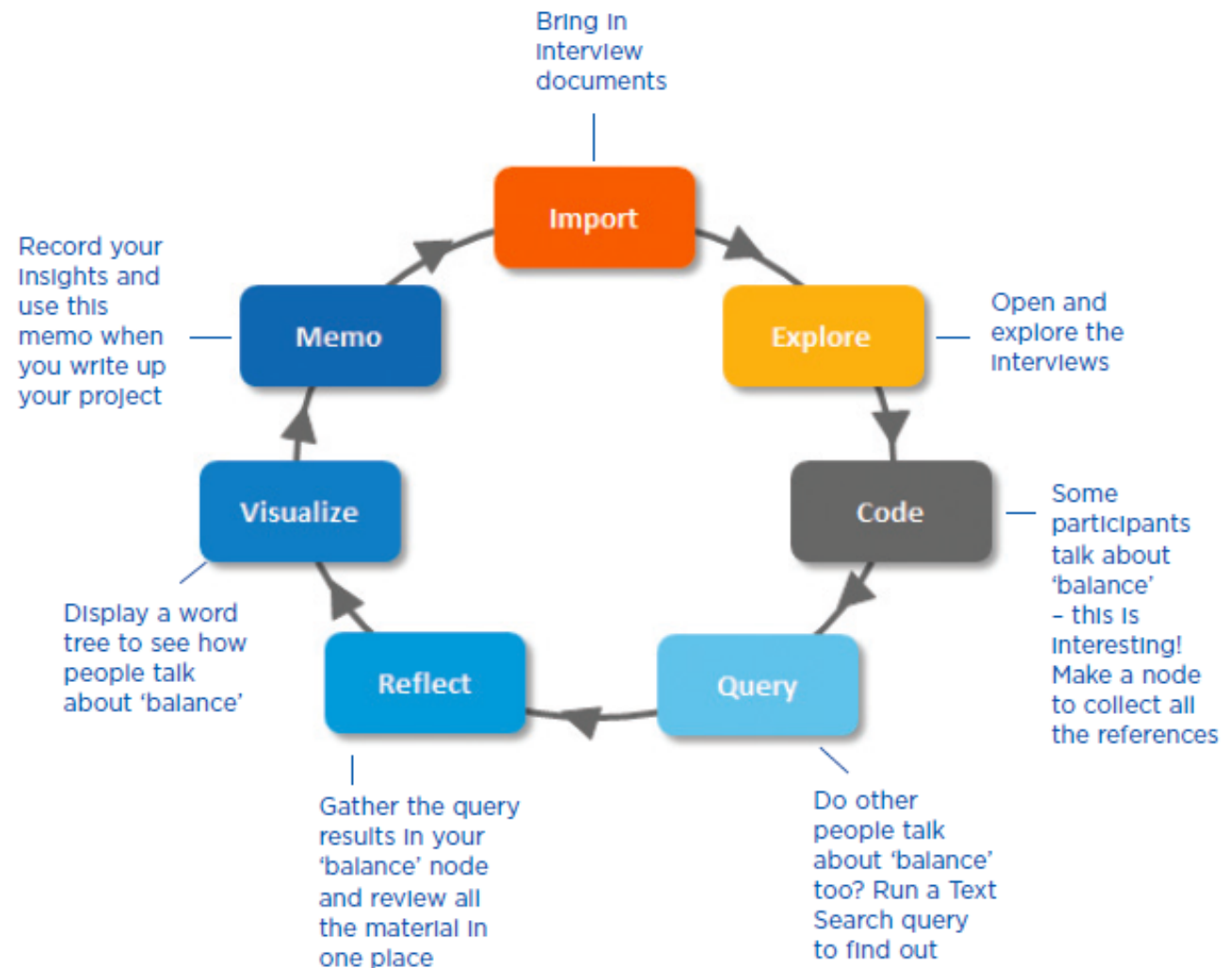
- Pilot Study
- Network Drives
- File Sharing
- Software Install



Amanda's Research

- Used NVivo for data analysis, study on art mentoring program that included transcriptions of interviews, journals, photographs
- Also used NVivo in an analysis of interviews dealing with the 1st year engineering program

Exploring themes in NVivo

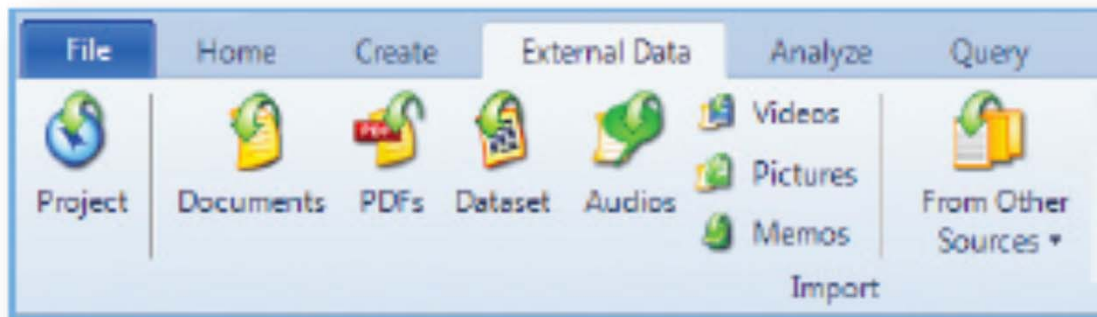


Terms in NVivo

- Sources- your research materials (documents, audio, video, pictures)
- Coding- process of gathering materials by topic, theme, or case
- Nodes- containers for your coding

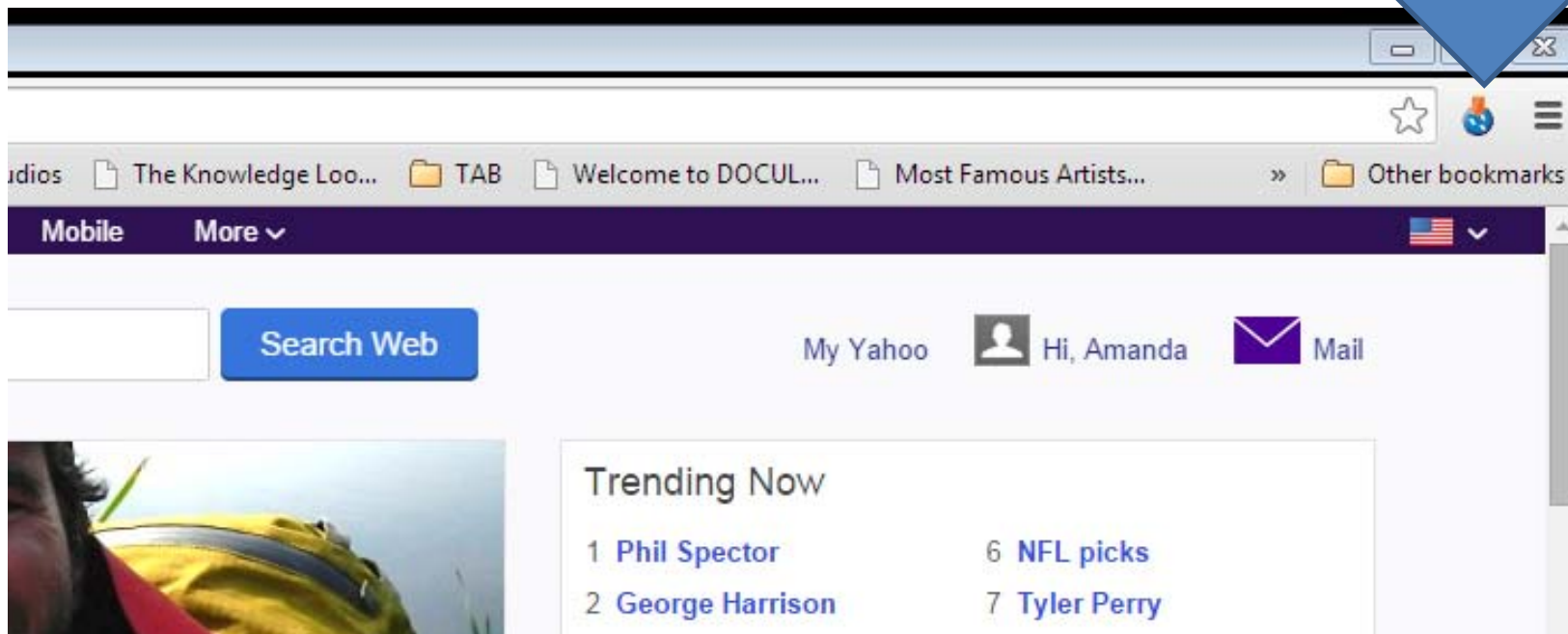
Bringing Your Materials into NVivo

- To import sources, use the options on the **External Data** tab



NCapture

- Ncapture is a browser extension that allows you to clip web pages and import them as PDF sources into your project



Evernote

- Use Evernote to capture and record data from a mobile device

Use Evernote to gather material on your smartphone or tablet (Android and IOS)

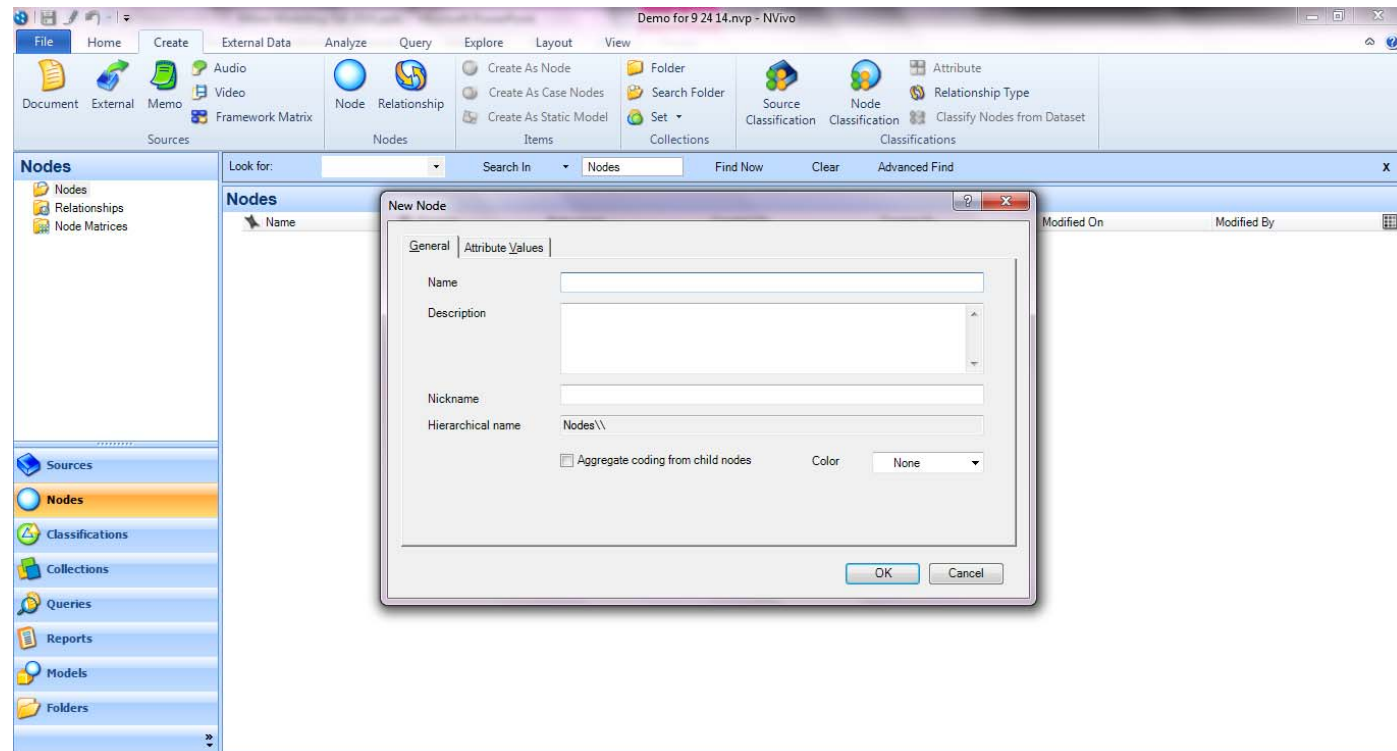


Then easily bring individual notes or whole notebooks into NVivo. You may also want to convert your tags to nodes.



Coding

- In Navigation view, click **Nodes**
- On the **Create** tab, in the Nodes group, click **Node**. The new node dialog box opens.



Screen Arrangement

- View, Detail View, Right to work with your data and see your codes at the same time
- Highlight and drag to existing codes or create new codes

The screenshot displays the NVivo software interface with the following components:

- Menu Bar:** File, Home, Create, External Data, Analyze, Query, Explore, Layout, View.
- View Tab:** Contains various view options:
 - Navigation View (checked)
 - Find (checked)
 - Quick Coding
 - Detail View (selected)
 - Close All
 - Workspace
 - Docked (checked)
 - Zoom
 - Layout
 - List View
 - Coding Stripes
 - Highlight
 - Annotations
 - See Also Links
 - Relationships
 - Links
 - Node
 - Node Matrix
 - Detail View
 - Framework Matrix
 - Classification
 - Report
 - Reference
 - Color Scheme
 - Visualization
 - Previous
 - Next
- Nodes Panel (Left):**
 - Look for: [dropdown]
 - Search In: Nodes
 - Find Now
 - Clear
 - Advanced Find
 - Nodes
 - Relationships
 - Node Matrices
- Nodes List (Middle):**
 - Name
 - attitude toward school
 - favorable attitude
 - poor attitude
- Text Editor (Right):**
 - student 11 int 1
 - Click to edit
 - Student 11 Interview 1
 - I: So this is student number 11, interview 1. First, can you tell me a little bit about yourself, like some things you like to do for fun.
 - S: I usually babysit, I spend a lot of time around children.
 - I: Ok

Seeing What You Have Coded

- Under View tab, Coding Group, click Highlight
- Under View tab, Coding Group, click Coding Stripes

The screenshot displays the NVivo software interface. The 'View' tab is active, showing the 'Coding Stripes' and 'Highlight' options. The 'Nodes' pane on the left lists the following nodes: attitude toward school, favorable attitude, poor attitude, and children. The main text area shows an interview transcript for 'Student 11 Interview 1'. The text is as follows:

I: So this is student number 11, interview 1. First, can you tell me a little bit about yourself, like some things you like to do for fun.

S: I usually babysit, I spend a lot of time around children.

I: Ok

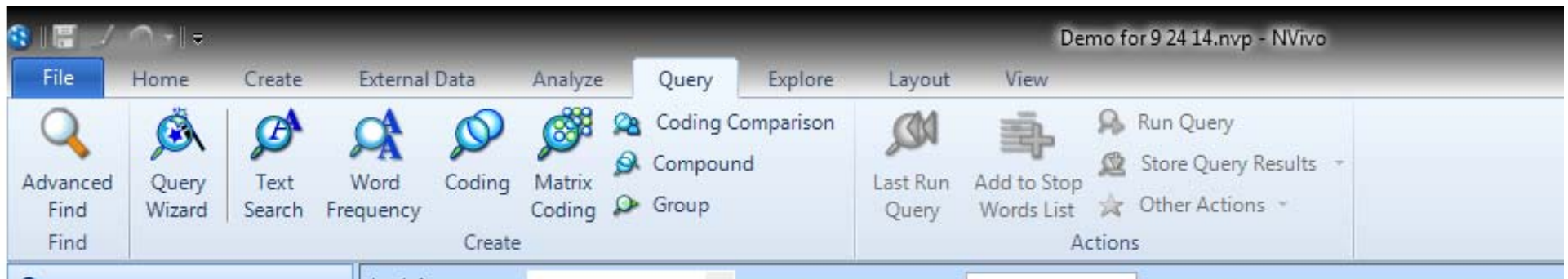
S: So...that's really all I do anymore. Not much to do. Been looking for a job for awhile now so.

I: Ok. Anything else that you do for fun outside of school besides babysitting?

On the right side of the text area, there is a 'Coding Density' bar. The bar shows two nodes: 'children' and 'favorable attitude'. The 'children' node has a higher density, indicated by a longer bar.

Text Queries

- Use queries to find and analyze words or phrases in your sources or nodes
- Find patterns based on your coding
- Work with queries using the **Query** tab

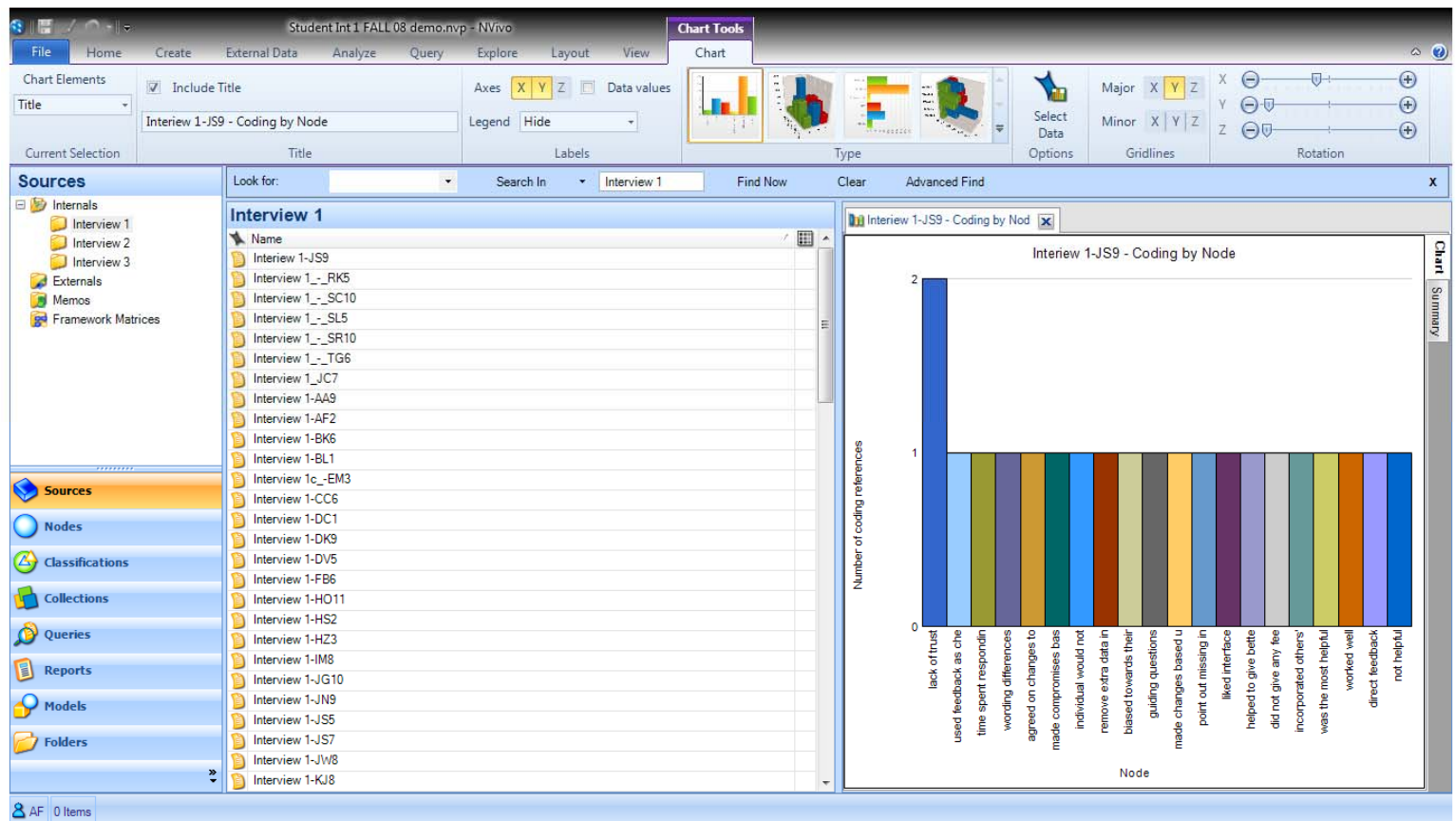


Queries to Explore Coding

- Coding Query: gather all the codes at any combination of nodes
- Matrix Coding Query: creates a matrix of nodes based on search criteria
- Coding Comparison Query: compare the coding of 2 researchers or 2 groups
- Compound Query: combines text and coding queries

Visualize Your Work

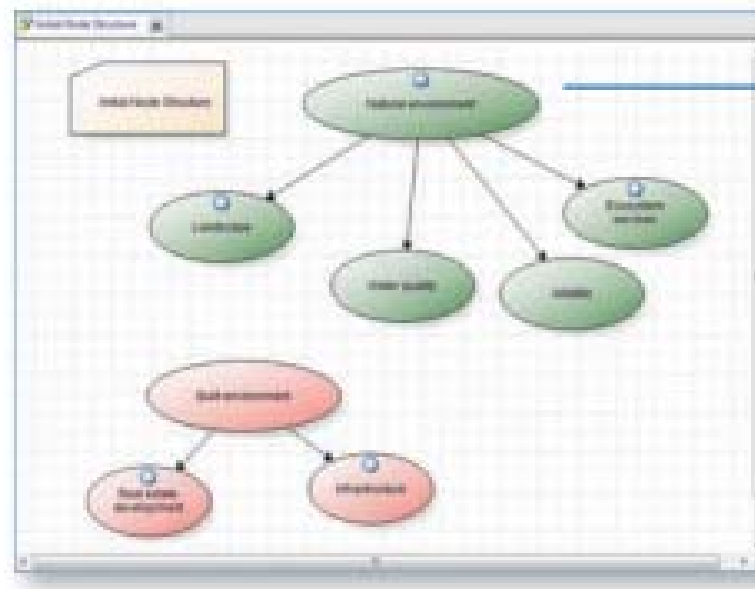
- Display your data in charts: **Explore** tab, **Visualizations** group, **Chart**



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Visualize Your Work

- Create models and graphs to visualize connections
- Create tree maps and cluster analysis diagrams



Link shapes to items in your project—open items directly from the shape

Create Reports

- Create reports in Nvivo under the **Reports** tab

The screenshot displays the Nvivo software interface. The 'Reports' tab is selected in the top navigation bar. The left sidebar shows a tree view of reports, with 'Coding Summary By Node Report' selected. The main window displays a report titled 'Coding Summary By Node Student Transcripts 9/24/2014 3:36 PM'. The report includes a table with the following columns: Classification, Coverage, Number Of Coding References, Reference Number, Coded By Initials, and Modified On. The table contains one row of data for the classification 'des\\Affect of viewing other solutions\\compared solution to reviewed'.

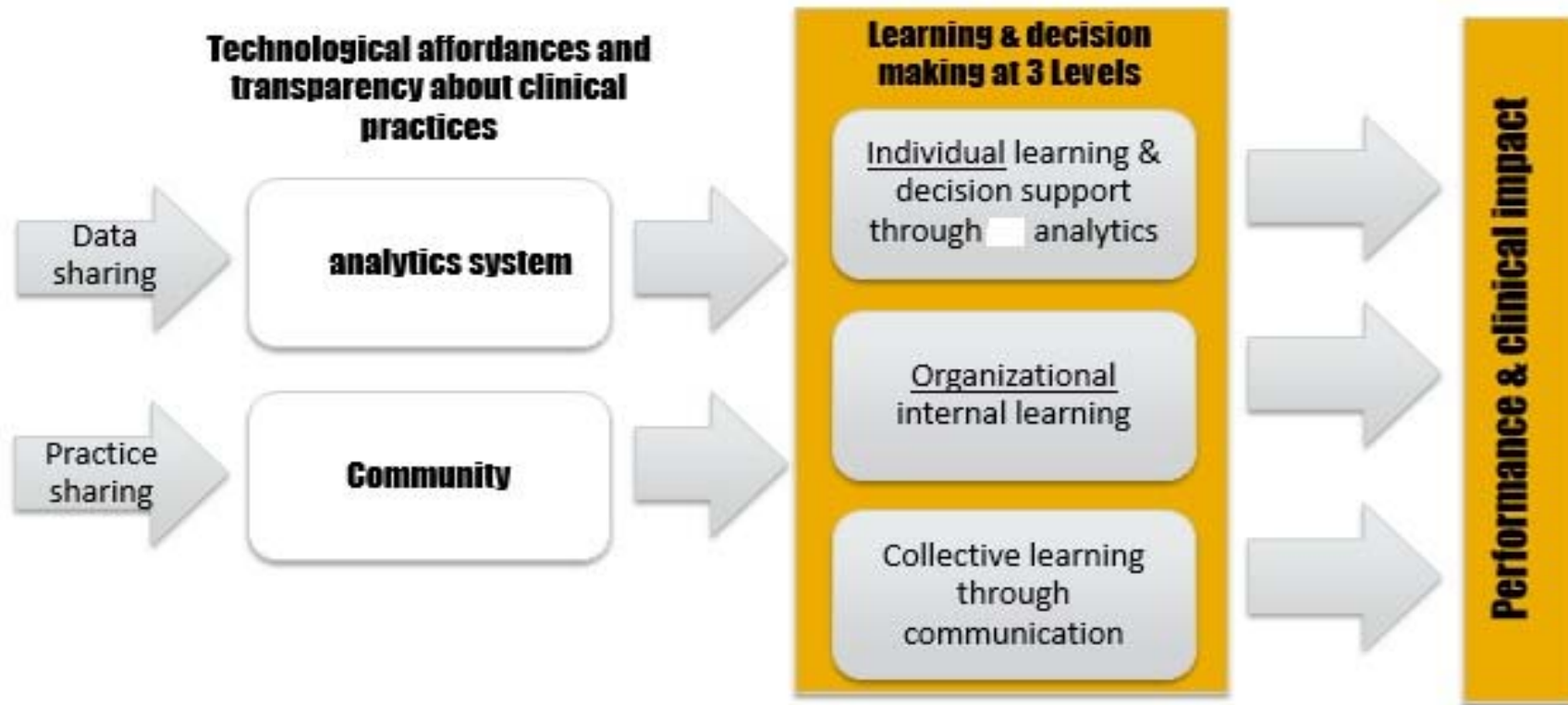
Classification	Coverage	Number Of Coding References	Reference Number	Coded By Initials	Modified On
des\\Affect of viewing other solutions\\compared solution to reviewed	0.0349	1	1	AF	2/9/2010 6:5

Below the table, there is a text snippet: 'It's what I was saying. I was trying -- I started to comparing ours to theirs in that case. But we ta ha-- had different ones or different teams and we kinda found -- I'm actually sure we did -- ar ng it and when we collaborated together we had -- we all had different things to add. Like, well, so that also. And that was -- that was helpful, to be able to look at someone else's, like, and not'.

Bjørn's Research

- Online communities (Discussion forums, Wikis, Crowdsourcing forums).
- Overarching research question guided by several analytical questions specific to the content.
- Initial coding and holistic coding (explorative and descriptive in nature)

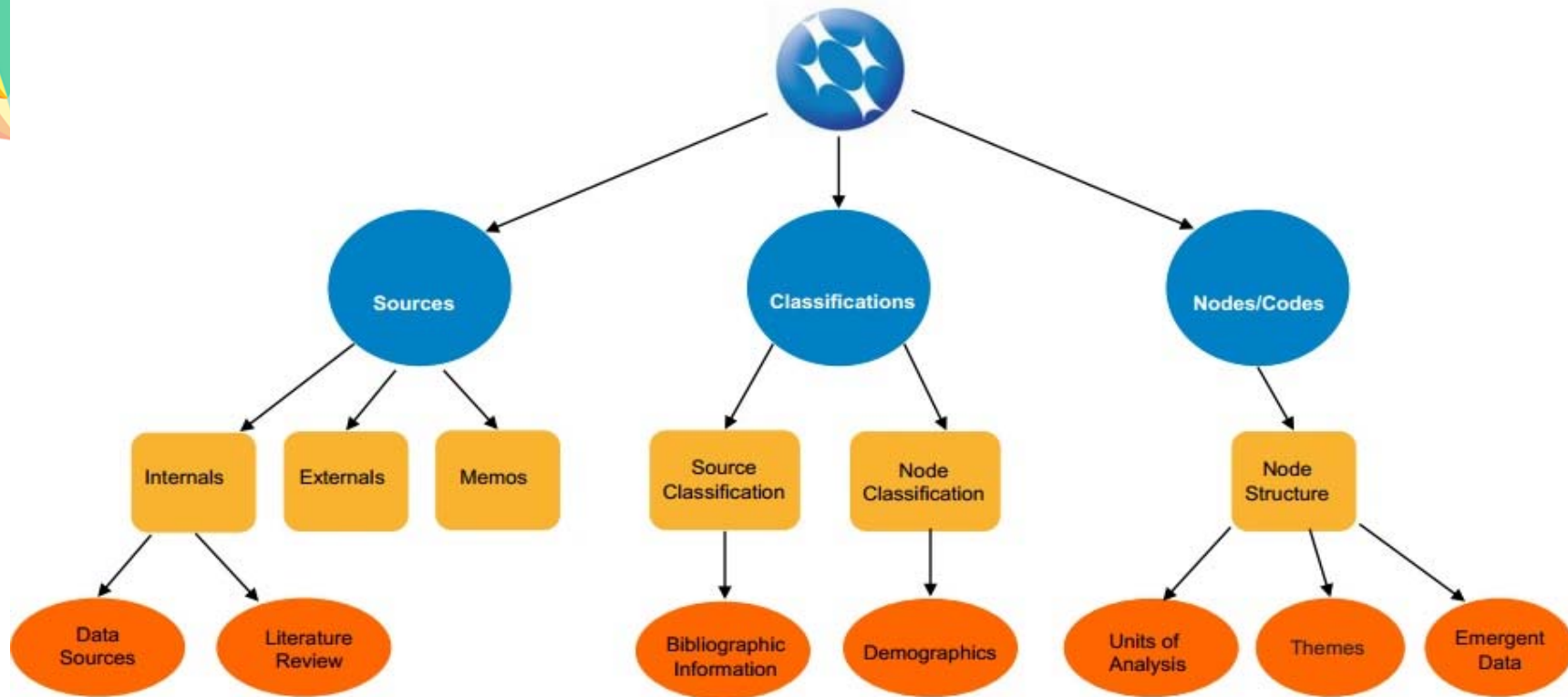
Bjørn's Research



Bjørn's Research

- How did Nvivo help me?
 - Organized artifacts (Posted documents, PPTs, Photos) that could be coded.
 - Allowed integration of various sources and to demonstrate relationships across data types.
- **Policy (learning) features: Forum was used to improve decision-making across hospitals by sharing individual hospital policies in the discussion forum.**
- **Discussion of new requirements of the system and analytics features.**
- **Request for learning and knowledge sharing: e.g. wanting records of which actions hospitals took in what cases regarding infusions and what they learned.**
- **Misc: Surveys, compliance charts, research journals, job descriptions etc.**

Bjørn's Research



Resources

- Book – Available on Amazon
 - Bazeley, P., & Jackson, K. (Eds.). (2013). *Qualitative data analysis with NVivo*. Sage Publications Limited.
- <http://forums.qsrinternational.com/>
- Book: also available on Amazon (\$35 new)
 - Saldana, J. (2012). *The Coding Manual for Qualitative Researchers*. Sage Publications Limited.