



Daring to Think Outside the Box: Using EndNote to Create a Research Matrix

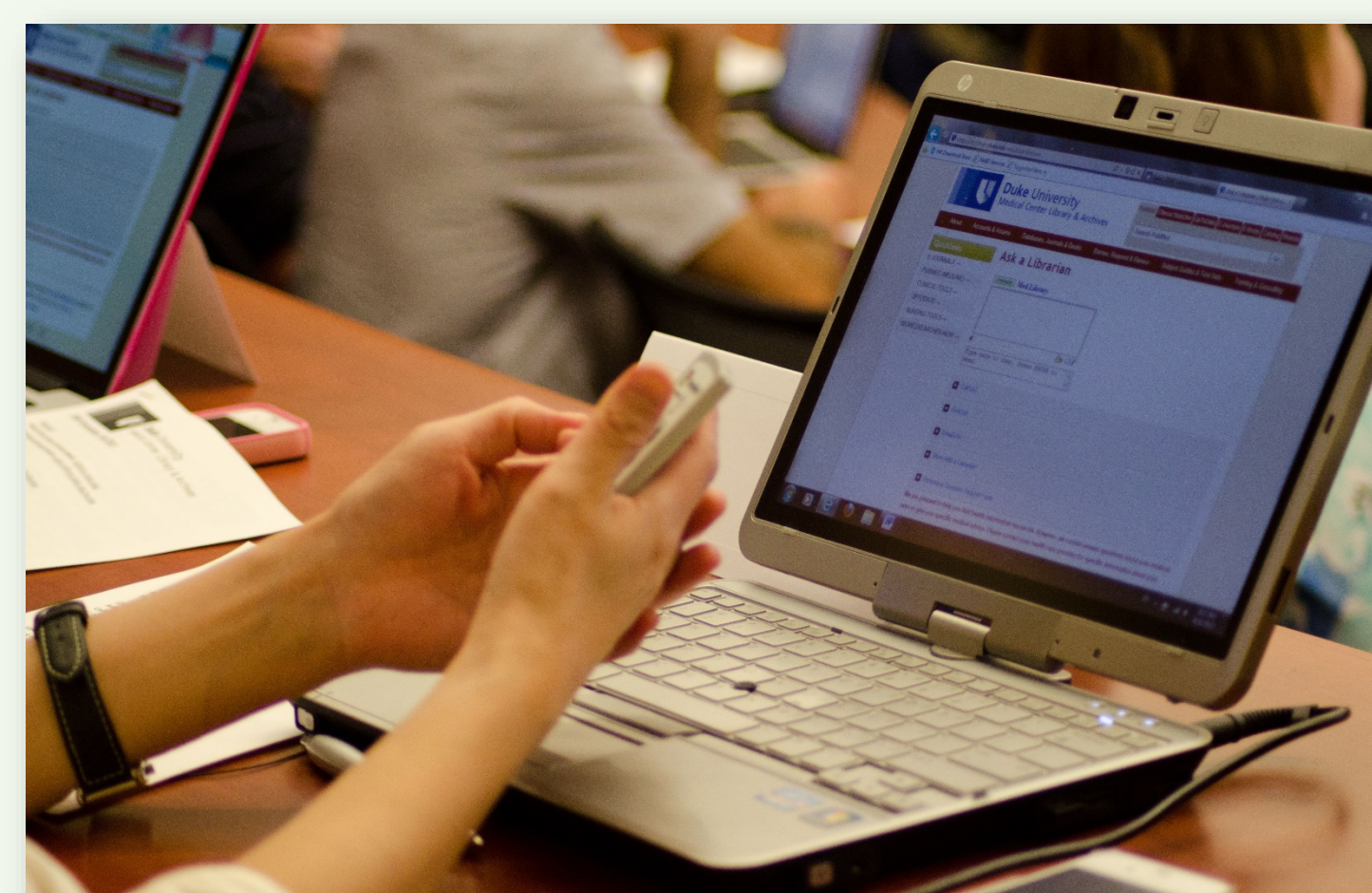
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Objective

School of Nursing PhD and Doctor of Nursing Practice students accumulate articles for their final projects over several years. This poster shows how EndNote was used to facilitate creating a research matrix to efficiently organize and evaluate journal articles.

Problem

During a Library EndNote session, a nursing student identified a need for a way to reduce duplication of data recording.



Solution: Creating the Matrix

The student and librarian then collaborated to explore the use of EndNote as a means of gathering and reporting article data, including purpose, setting, research design, etc., in an Excel matrix.

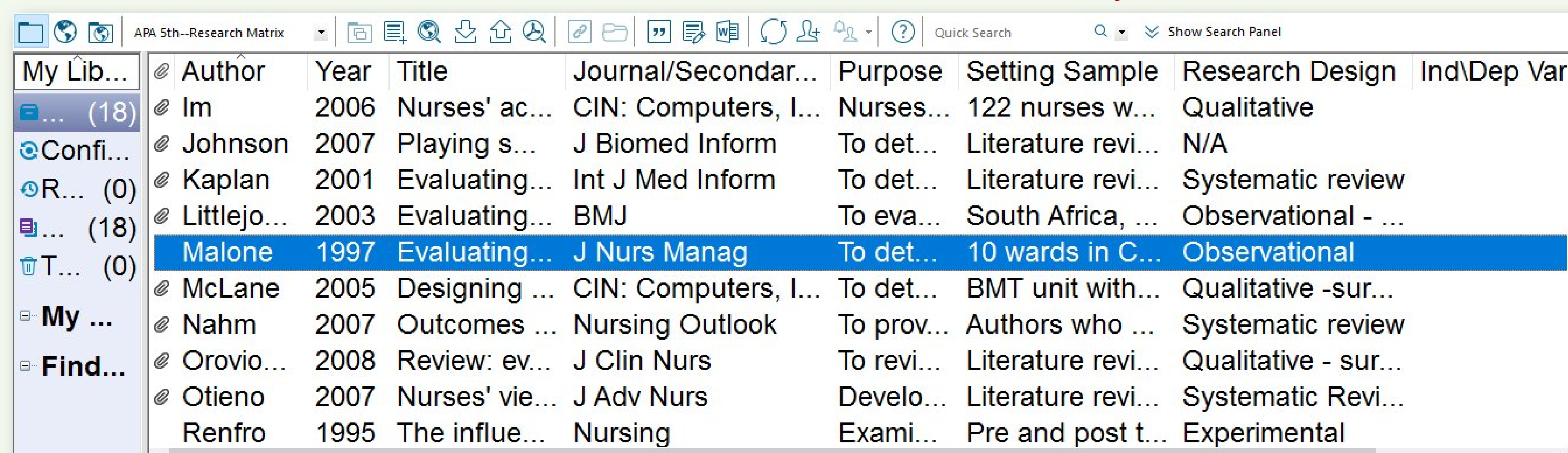
Steps included

- Identifying unused fields in an EndNote reference
- Modifying **Journal Article Reference Type** to create matrix fields
- Editing **APA 6th Output Style** to include the matrix fields
- Exporting completed references into Excel and formatting them
- Developing and sharing a handout in succeeding classes

Final Capstone Matrix

Citation	Year	Purpose	Setting Sample	Research Design	Ind. Variable	Dep. Variable	Results	Evidence
Johnson, K. B., & Gadd, C. Playing smallball: approaches to evaluating pilot health information exchange systems. J Biomed Inform	2007	To determine best approach for evaluation of HIE systems	Literature review of current practice	N/A	NA	NA	Evaluations should include 2 co-variables - system evaluation and environment - human factors	Level V, Grade Moderate
Kaplan, B. Evaluating informatics applications--clinical decision support systems literature review. Int J Med Inform	2001	To determine best approach for evaluation of CDSS	Literature review - automated from 1997 & 1998, manual search done to supplement. 27 studies in 35 papers	Systematic review	NA	NA	Plurality of approaches - with emphasis on user-acceptance	Level I, Grade High
Littlejohns, P., Wyatt, J. C., & Garvican, L. Evaluating computerised health information systems: hard lessons still to be learnt. BMJ	2003	To evaluate the formative (implementation) & summative (Cost and benefits) aspects of a CIS install country-wide	South Africa, Limpopo Province	Observational - questionnaire	NA	NA	Implementation failed due to multiple issues	Level IV, Grade High

1. Research Matrix EndNote Library



2. Reference Type Modification

Custom 3	Purpose
Custom 4	Setting Sample
Custom 5	Research Design
Custom 6	Ind/Dep Variable
Custom 7	NIHMSID
Custom 8	Article Number
Accession Number	Accession Number
Call Number	Call Number
Label	Label
Keywords	Keywords
Abstract	Abstract
Notes	Notes
Research Notes	Research Notes
URL	URL
File Attachments	File Attachments
Author Address	Author Address
Figure	Figure
Caption	Results
Access Date	Access Date
Translated Author	Translated Author
Translated Title	Evidence

Johnson, K. B., & Gadd, C. Evaluating the benefits realized from a nurse management system (1997) To determine the value of an EMR in a London hospital in Oxford, England\Observational\NANA\Evaluation should be based on defining business requirements\Level IV, Grade Moderate

3. Information Entered Into Matrix Fields

Purpose
To evaluate the formative (implementation) and summative (Cost and benefits) aspects of a CIS install country-wide

Setting Sample
South Africa, Limpopo Province

Research Design
Observational - questionnaire

Ind/Dep Variable
NANA

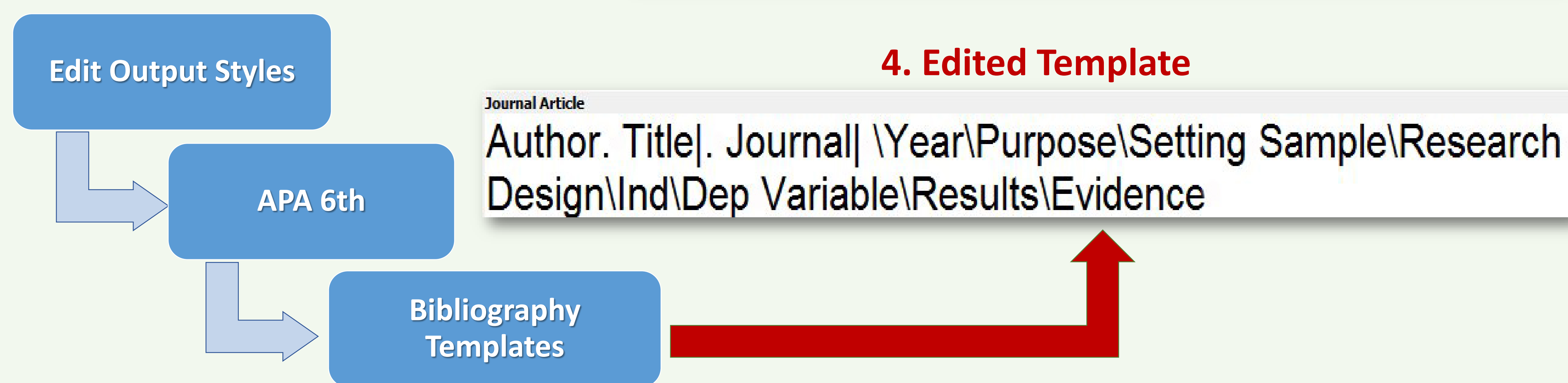
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URL
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC153478/pdf/860.pdf>

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Results
Implementation failed due to multiple issues

Evidence
Level IV, Grade High



5. Excel Spreadsheet

Citation	Year	Purpose	Setting Sample	Research Design	Independ. Variable	Depend. Variable	Results	Evidence
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