

**Looking back to move forward:
Using student performance to assess
instructional effectiveness**

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SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE

LIBRARY & INFORMATION SERVICES

Background

About the Course:

NURS 230: Terminology, Inquiry, Writing in Nursing
~ 120 sophomores

Challenge:

new librarian, Associate Dean, and librarian on maternity leave

Research Question:

How can we instruct more effectively?

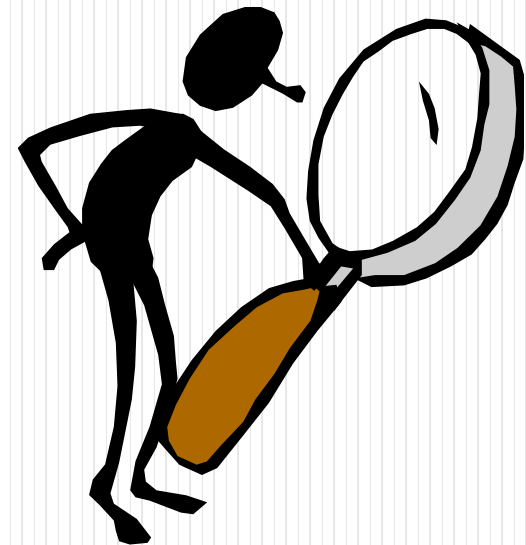
Question 7

Perform a CINAHL search using your search terms from Question 3 using truncating. Limit your search to articles written in English and published in nursing journals from the past five years. Remember to use any truncating or Boolean operators that are appropriate. Paste the Permalink for your search below. (6 points: use of search terms with correct truncating and/or Boolean—2 points, use of limits –3 points, correct Permalink—1 point)

Library Assignment Sample Question

Methods

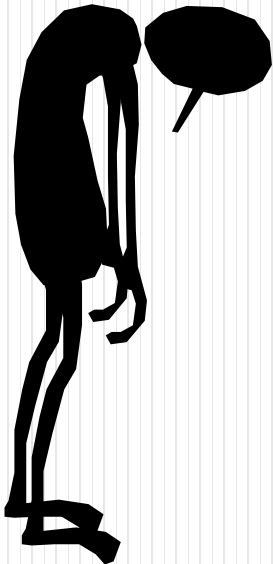
- Listed all possible errors
- Assigned codes to each
- Sampled 10
- Used tally sheet to record frequency and determine distribution of errors



	1	2	3	4	5	6	7	8
DNR1								
A								
B								
PB1					1			
C								
D						1	1	
E		1	1	1				1
F								
DNR2								1
G					1			
H								
I								
J		1	1				1	
DNR3	1							
K								
DNR4								
L	1							

Coding worksheet

Results



111 students

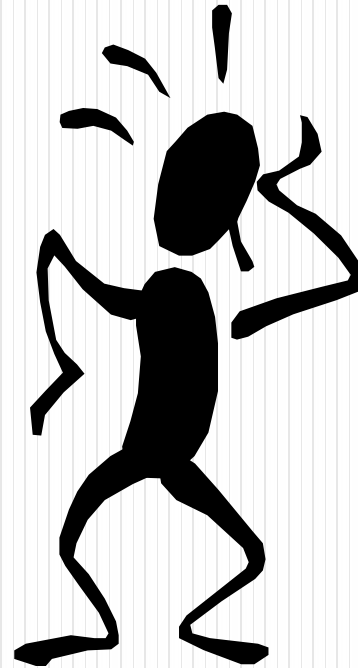
629 total errors

5 big problems

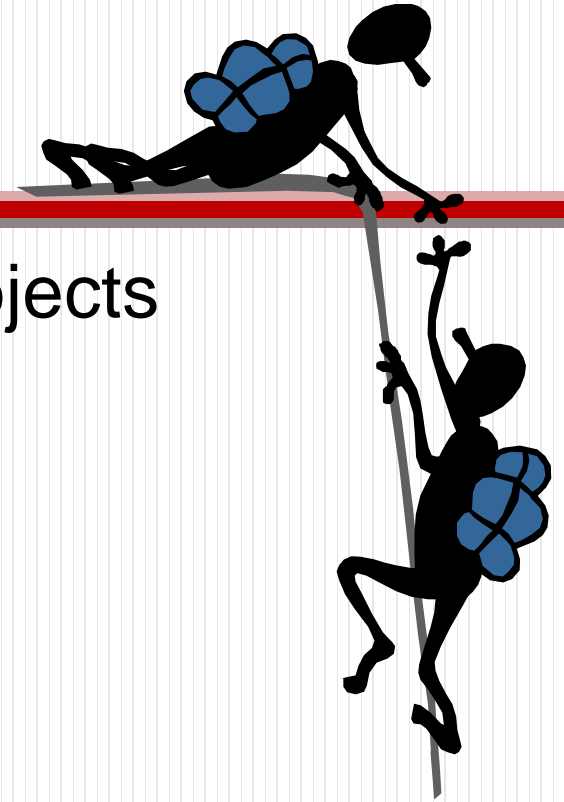
5 Big Problems

= 80% of errors

5. Limits (7%)
4. Phrase searching (11%)
3. Truncation (13%)
2. Did not respond (24%)
1. Definitions (25%)



Problem #1: Definitions



Defining limits, keywords, and subjects
Testing memory or application?

Solutions

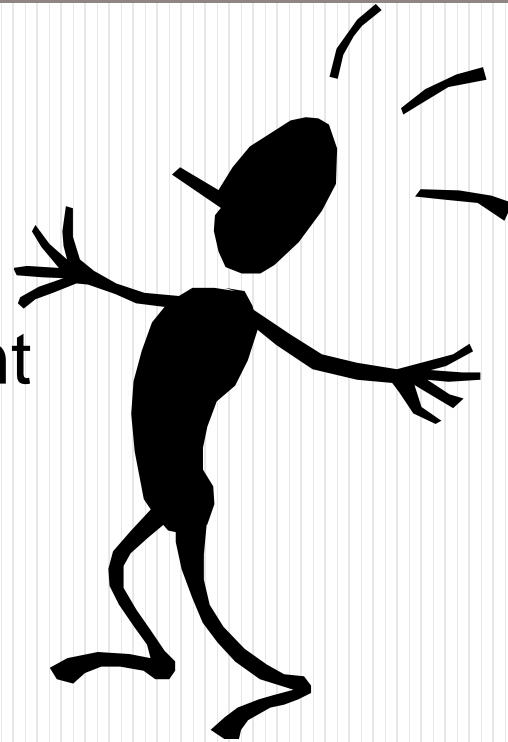
- PowerPoint
- Glossary

Problem #2: Incomplete answers

CINAHL headings, journal holdings

Solutions:

- Change visual layout of assignment
- Reduce # of tasks per question



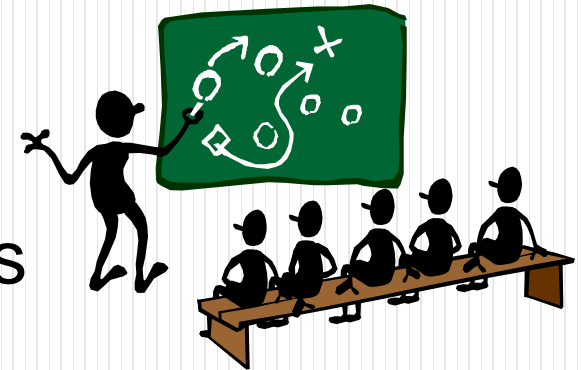
Problem #3: Truncation

Problem #4: Phrase Searching

Includes brainstorming and applying

Solutions:

- Provide more examples in class and on assignment
- Reformat question
- Active learning practice exercise in class



Word from topic	Synonyms	Truncation	Phrase Searching
Ex: Pregnancy	gestation maternity antenatal	pregnan* matern* gestat*	None- pregnancy is one word

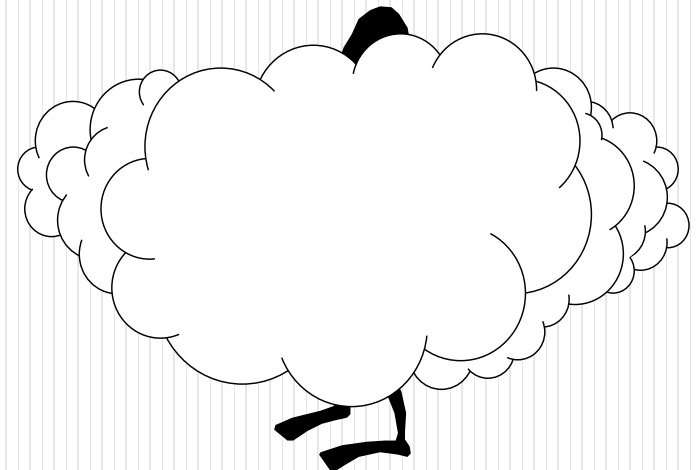
Revised truncation and phrase searching question

Problem #5: Limits

Publication date, language, nursing journals

Challenges:

- Forgot or don't know how?
- Limits results too much



Solution:

- Instruct on article and database structure

Additional Points to Address

Search strategy

- Refining searches
- Redundancy in keywords
- Google Scholar search not useful

Solution:

- Active learning exercise to practice strategy
- Switch Google Scholar question to PubMed

Conclusion

Use assignments to assess librarian practices
(and student performance)

- identify common errors
- determine root causes

instruction methods

students

search tools/resources

assignment

- redesign and re-evaluate

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