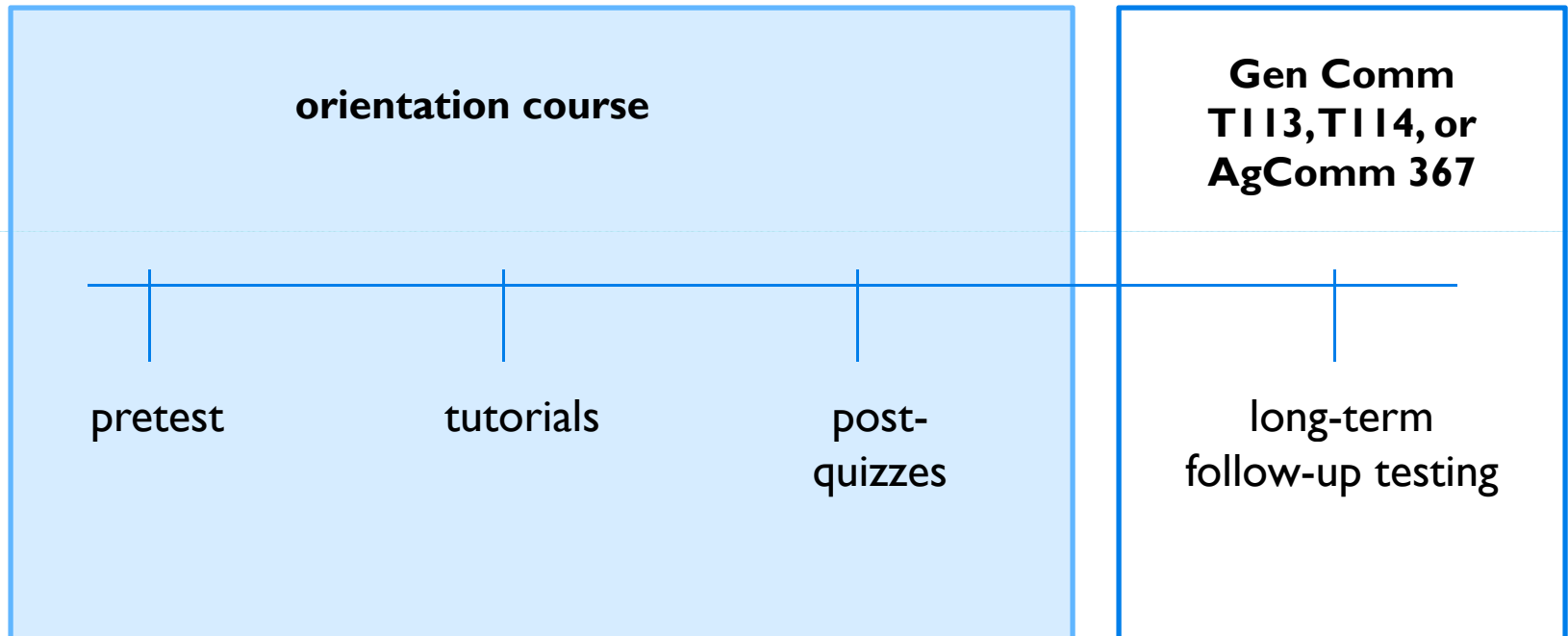# Fall 2010 Library Tutorials

results and analysis

Sharon Holderman, ATI Library Director

Setup Overview

- pretest (28 questions)
- 6 tutorials
  - Tutorial 1: Types of sources & reliability (7 minutes)
  - Tutorial 2: General search processes & tips (8.5 minutes)
  - Tutorial 3: Finding a book (9.5 minutes)
  - Tutorial 4: Searching an online periodical database (9.5 minutes)
  - Tutorial 5: Internet sources and searching (9.5 minutes)
  - Tutorial 6: Copyright & plagiarism (8 minutes)
- 6 post quizzes (6 questions each)
- long-term follow up test (31 questions)

Information Literacy Timeline

orientation course

Gen Comm T113, T114, or AgComm 367

pretest

tutorials

post-quizzes

long-term follow-up testing

Pretest Results

The pretest is intended to measure students' level of knowledge upon entering ATI. These students, on average, have not previously had any ATI library instruction or the tutorials.

- average score = 67.65%
  - ◦ *Fall 2009 pretest average: 70.14%*
  - ◦ *Fall 2008 pretest average: 60.87%*

- 92% completion rate
  - ◦ total students completing the pretest: 288
  - ◦ total students in orientation courses: 312
  - ◦ *Fall 2009 completion rate: 88%*
  - ◦ *Fall 2008 completion rate: 81%*

Pretest Average Scores by Topic
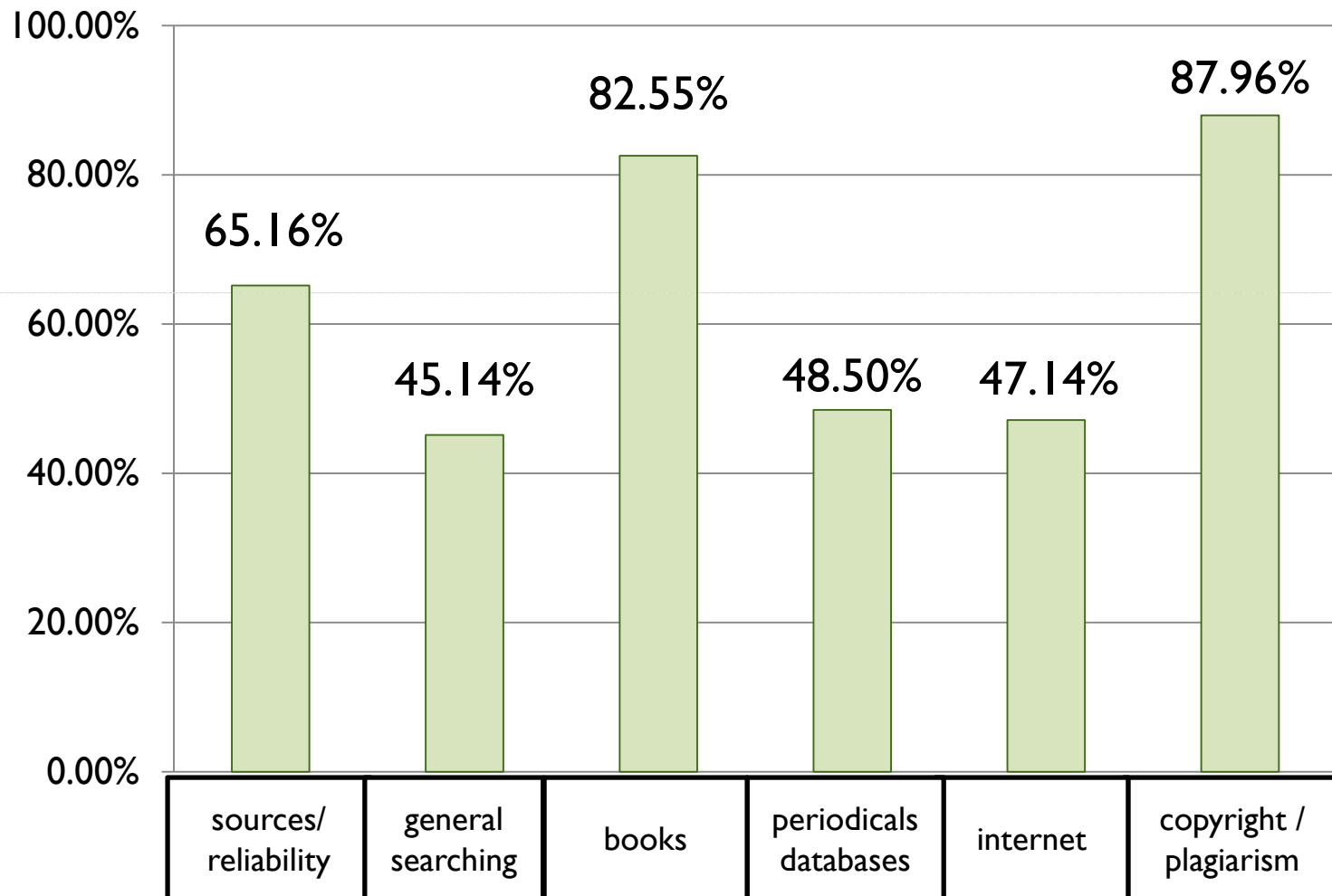
Pretest Score Distribution
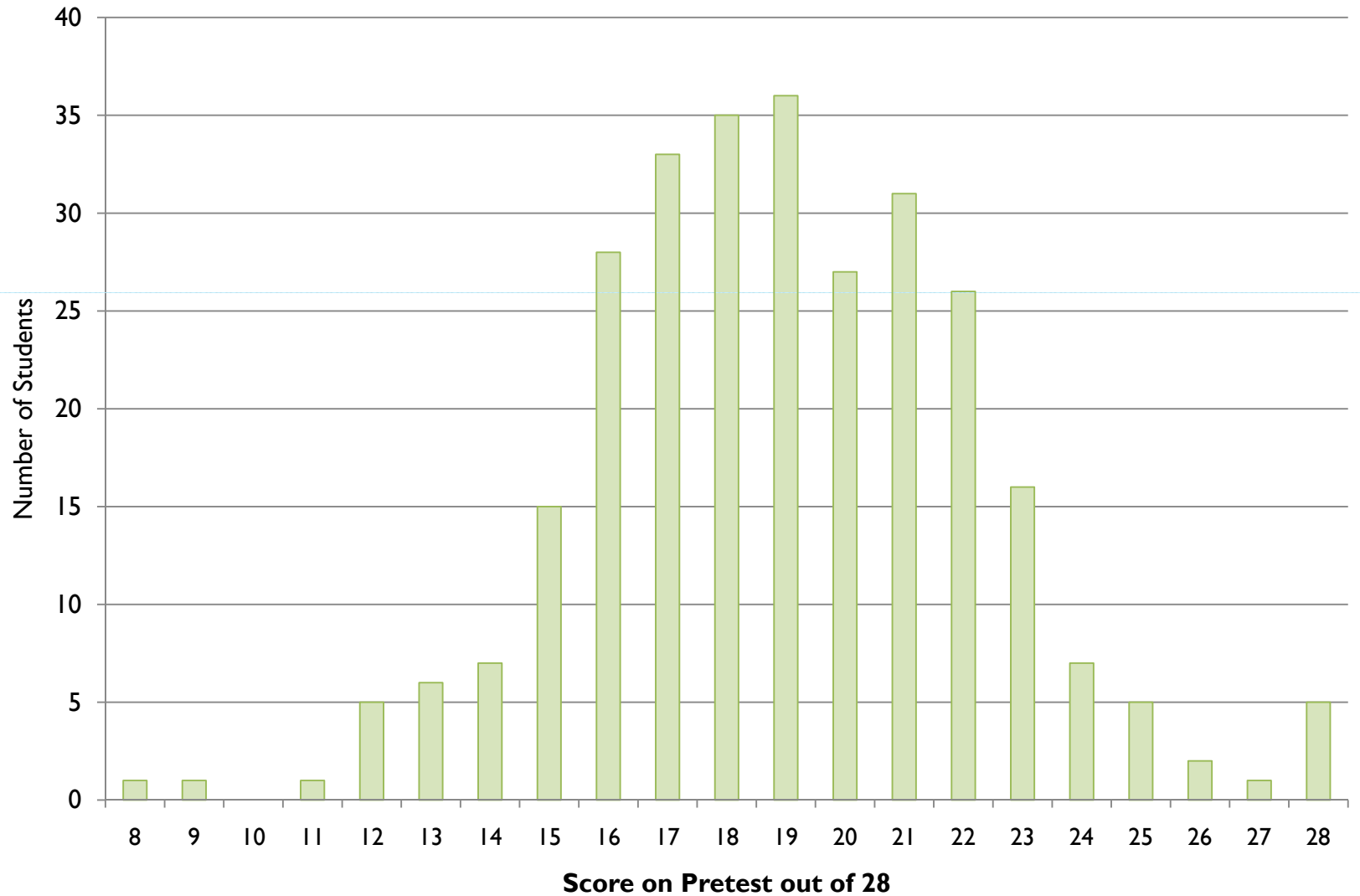
Pretest Comments

The pretest was reviewed and updated in Summer 2010. These updates included reworded questions, eliminating previous questions, adding new ones, etc. The changes were made based on previous test results. Therefore, comparison to previous years' pretest results should be based on trends only.
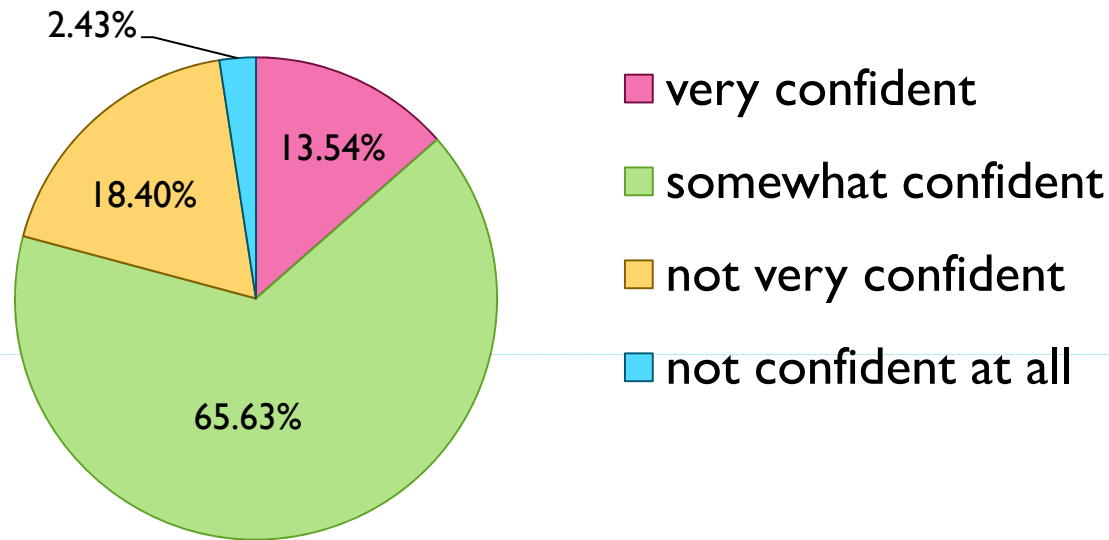
- low scores
  - the two lowest scoring areas are general searching and internet
  - these were also the two lowest scoring areas in both 2008 and 2009
  - multiple topics have failing average scores

- high scores
  - the highest scoring area was copyright & plagiarism
  - this was also the highest scoring area in both 2008 and 2009

Catalog Searching Confidence

2.43%

13.54%

18.40%

65.63%

- ■ very confident
- ■ somewhat confident
- ■ not very confident
- ■ not confident at all

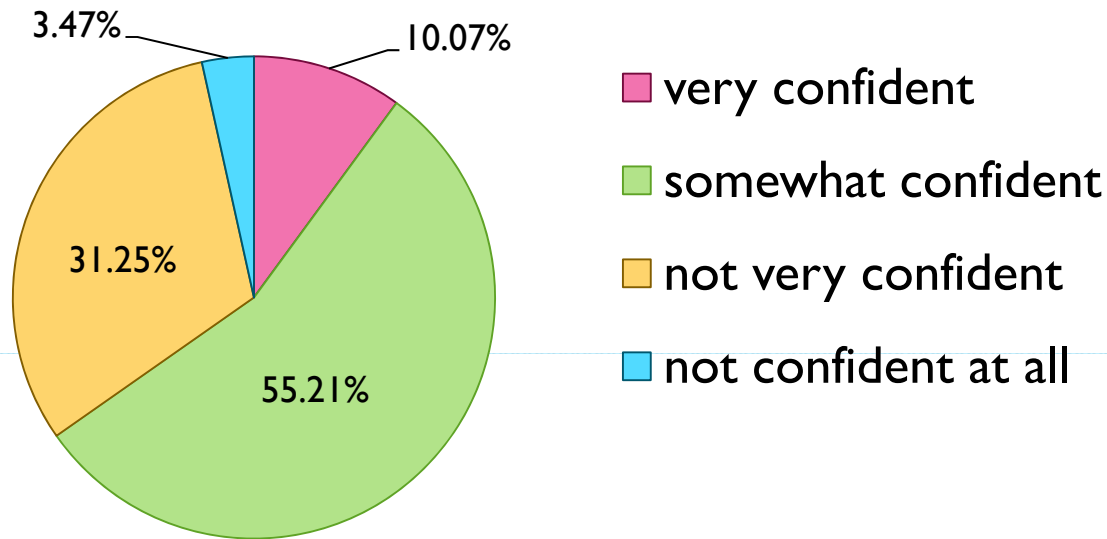Their confidence in using a library catalog

- 79% of students are somewhat or very confident
- 21% are not very confident or not confident at all

These are less confident than past results

- 2009: 85% confident, 15% not confident
- 2008: 83% confident, 17% not confident

Database Searching Confidence

3.47% 10.07%

31.25%

55.21%

- ▢ very confident
- ▢ somewhat confident
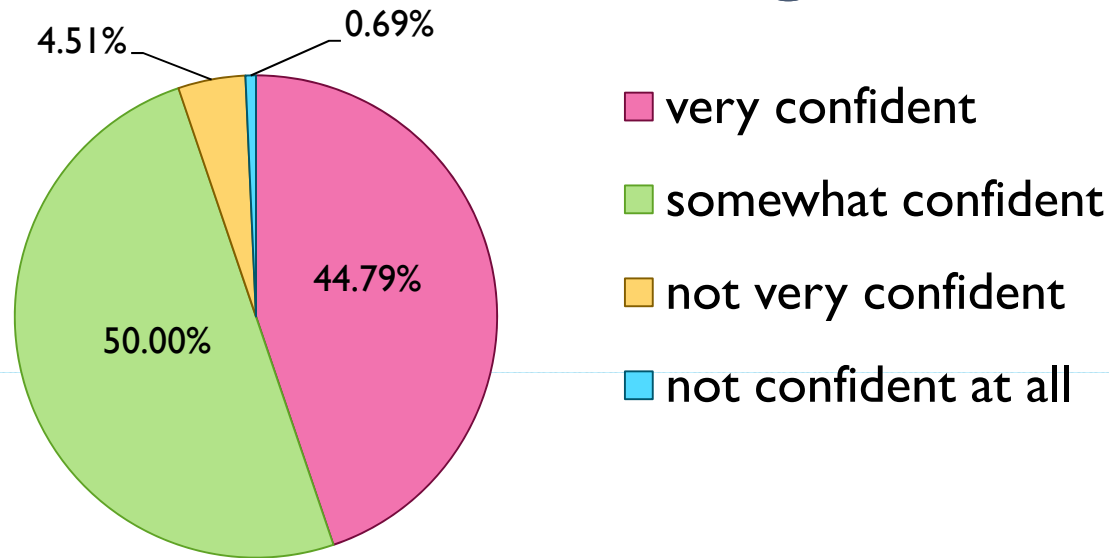- ▢ not very confident
- ▢ not confident at all

Their confidence in using a library database

- 65% of students are somewhat or very confident
- 35% are not very confident or not confident at all

These are less confident than past results

- 2009: 71% confident, 29% not confident
- 2008: 69% confident, 31% not confident

Internet Searching Confidence

4.51%

0.69%

44.79%

50.00%

- very confident
- somewhat confident
- not very confident
- not confident at all

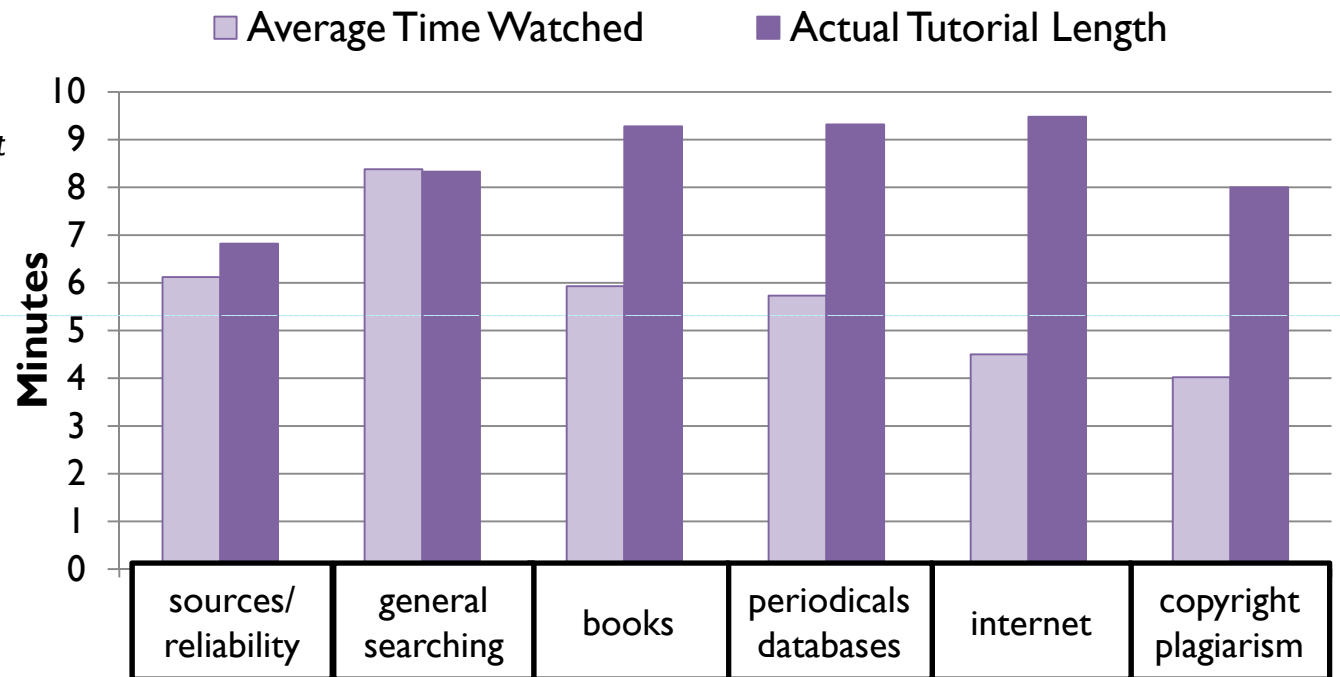Their confidence in using the internet for research
- 95% of students are somewhat or very confident
- 5% are not very confident or not confident at all

These are consistent with past results
- 2009: 96% confident, 4% not confident
- 2008: 94% confident, 6% not confident

Length of Tutorials

Average Time Watched ▪ **Actual Tutorial Length**

Chart — Minutes (y-axis, 0–10):

Category	Average Time Watched	Actual Tutorial Length
sources/ reliability	~6.1	~6.8
general searching	~8.4	~8.3
books	~5.9	~9.3
periodicals databases	~5.7	~9.3
internet	~4.5	~9.5
copyright plagiarism	~4.0	~8.0

On average, students stop watching before the tutorials end, especially as they progress through the tutorials. This is consistent with previous years' data. That is why all tutorials were shortened in Summer 2010 and the order of content was altered to put important information near the beginning of each tutorial.
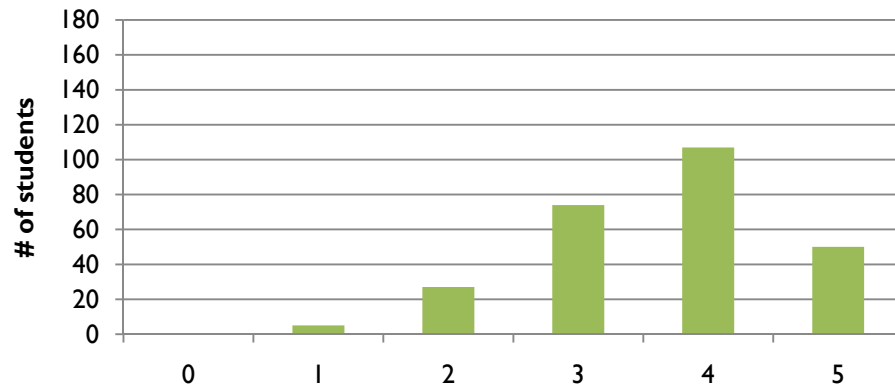
Post-Quiz Averages
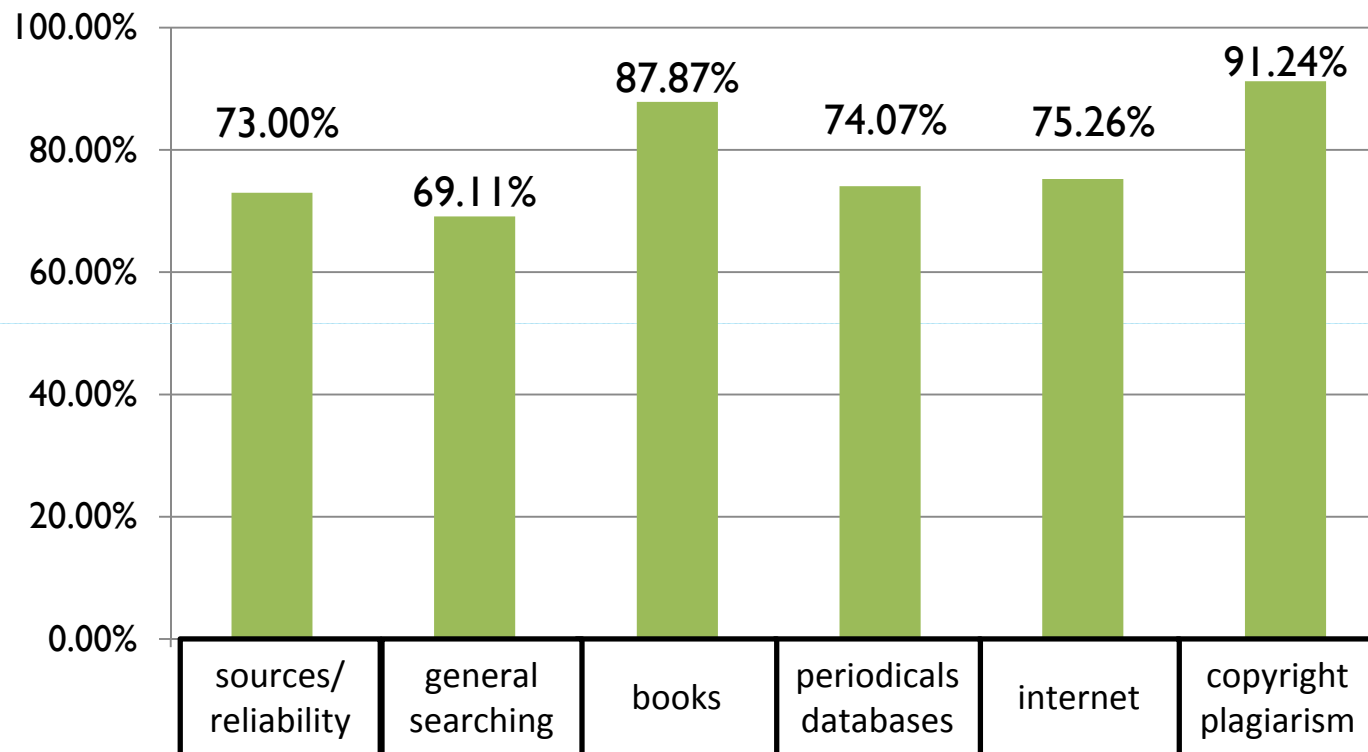
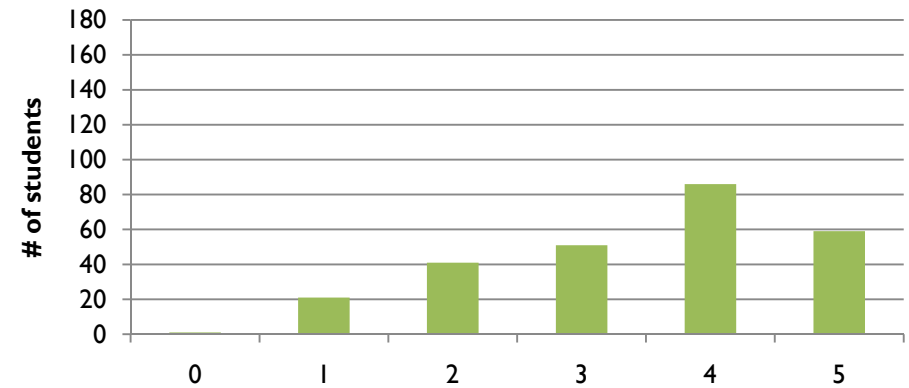The post-quizzes have two purposes:

- determine if students retained information from the tutorials
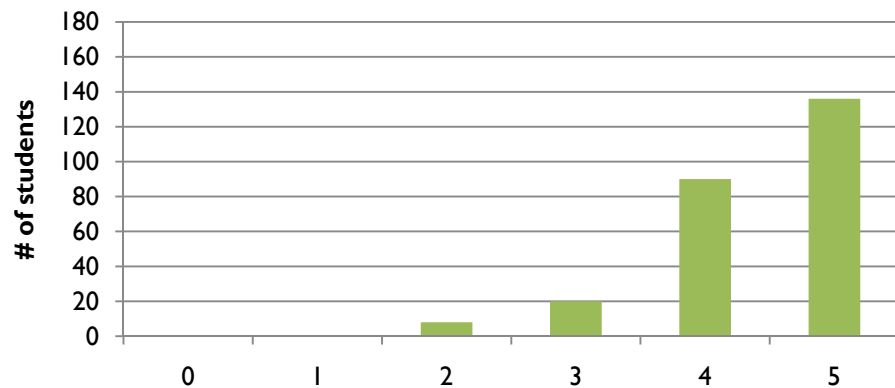- help reinforce important information

Quiz 1 Score Distribution

of students

180
160
140
120
100
80
60
40
20
0

0   1   2   3   4   5

Sources & Reliability: score out of 5

Quiz 2 Score Distribution

of students

180
160
140
120
100
80
60
40
20
0

0   1   2   3   4   5

General Searching: score out of 5

Quiz 3 Score Distribution

of students

180
160
140
120
100
80
60
40
20
0

0   1   2   3   4   5

Books: scoreout of 5

Quiz 4 Score Distribution

of students

180
160
140
120
100
80
60
40
20
0

0   1   2   3   4   5
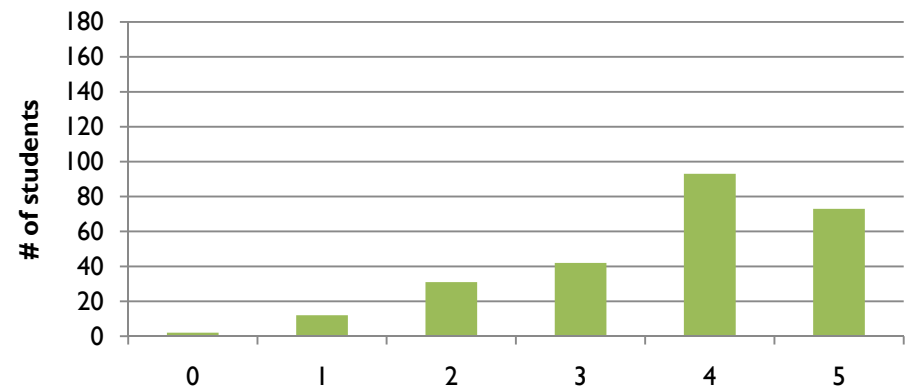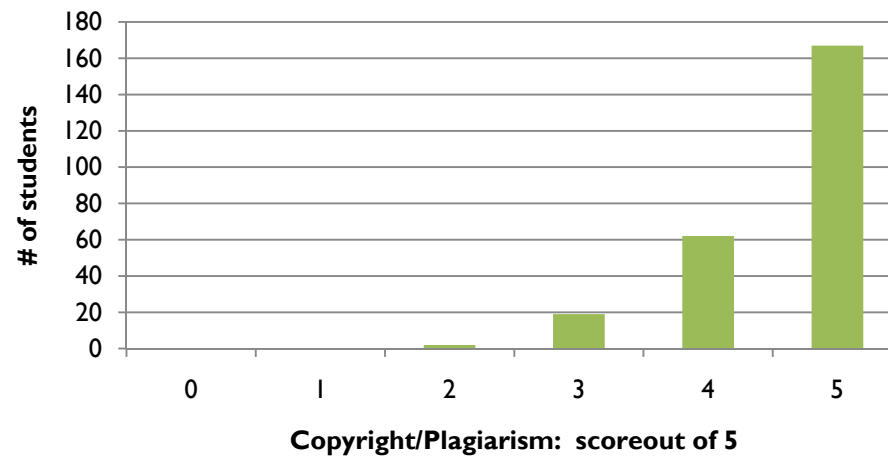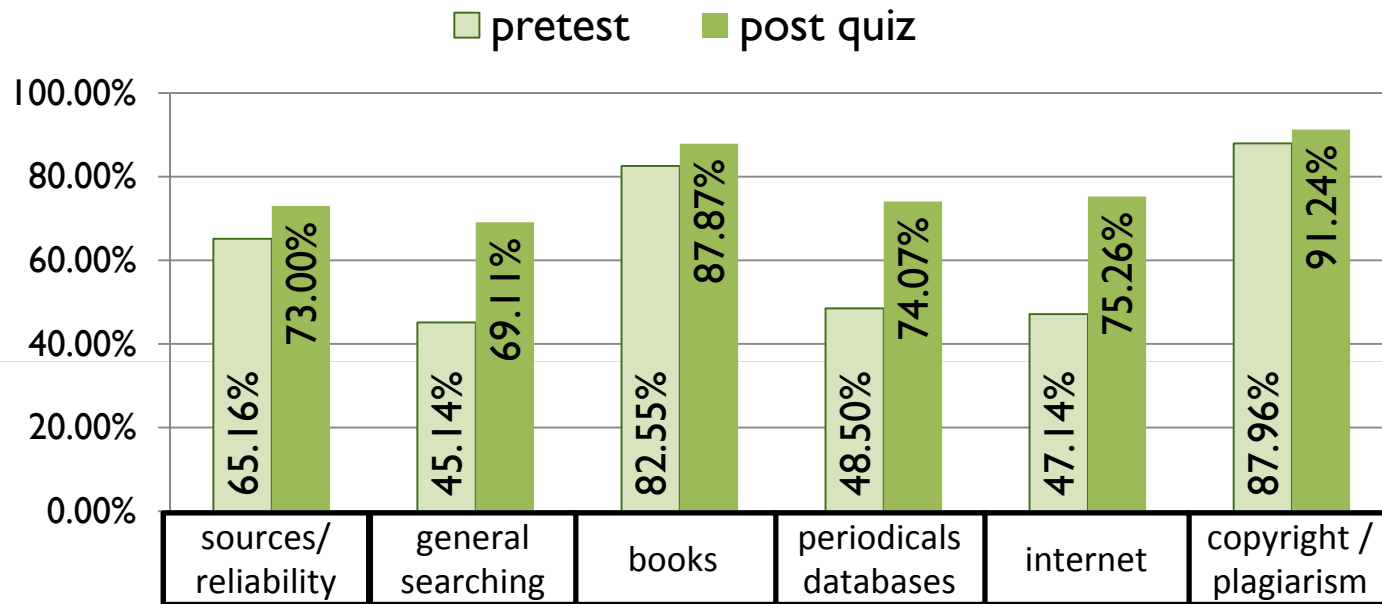
Periodicals/Databases: scoreout of 5

Quiz 5 Score Distribution
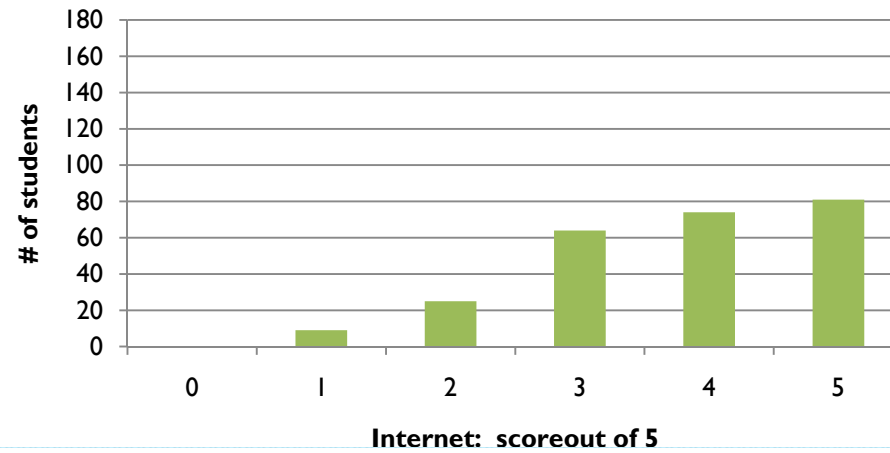
Quiz 6 Score Distribution

2010 Pretest vs. Post-Quiz Topics

increases from pretest to post-quiz for 2010:

- sources/reliability increased 8%
- general searching increased 24%
- books increased 5%
- periodicals databases increased 26%
- internet increased 28%, which was the largest increase
- copyright plagiarism only increased 3% but is the highest scoring topic

Comparison Comments

Post-quiz scores were higher than pretest due to:

- learning from the pretest (viewing missed questions and answers)
- learning from the tutorials
- learning the information elsewhere
- looking up the answers while taking the post-quizzes
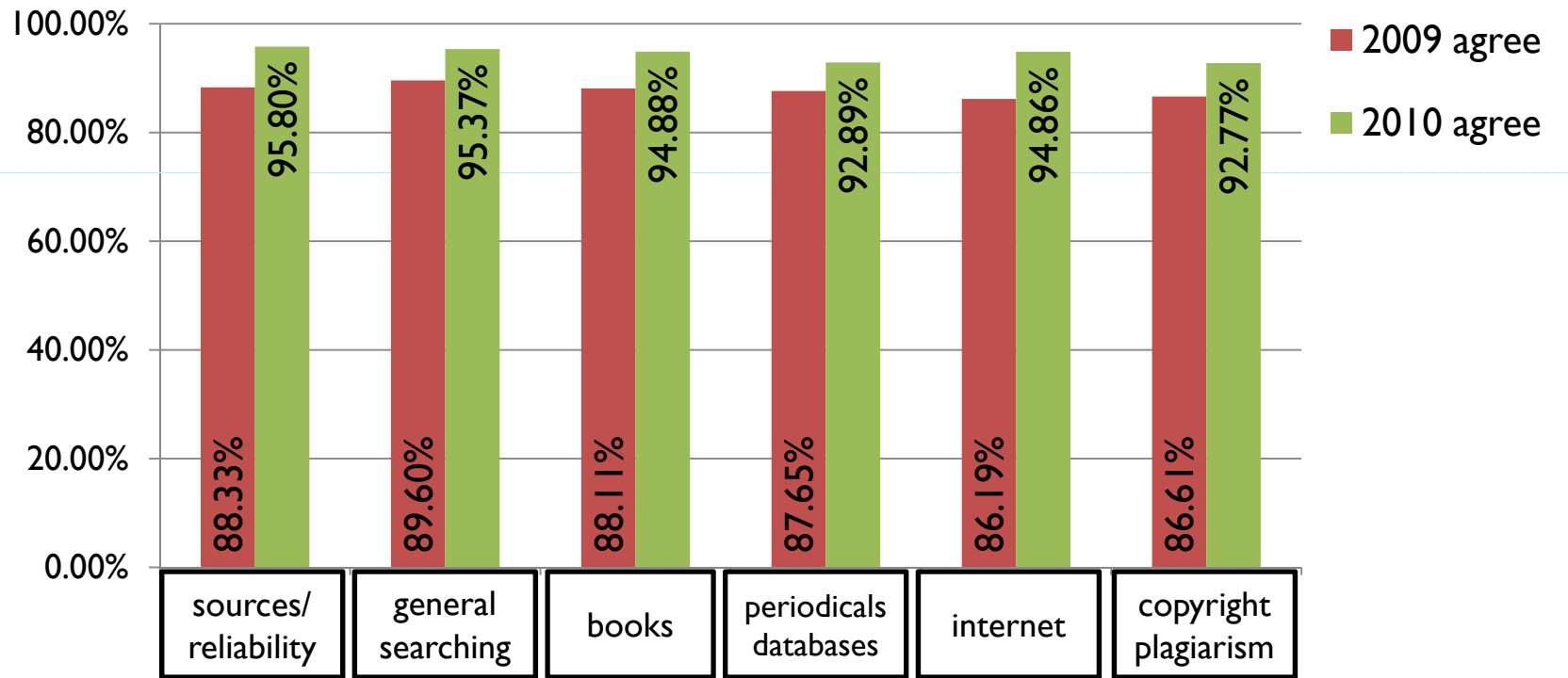
Low scoring topics on pretest

- general searching (45%), databases (49%), internet (47%)
- had large increases on post-quizzes
- scores increased by 24-28% for each topic

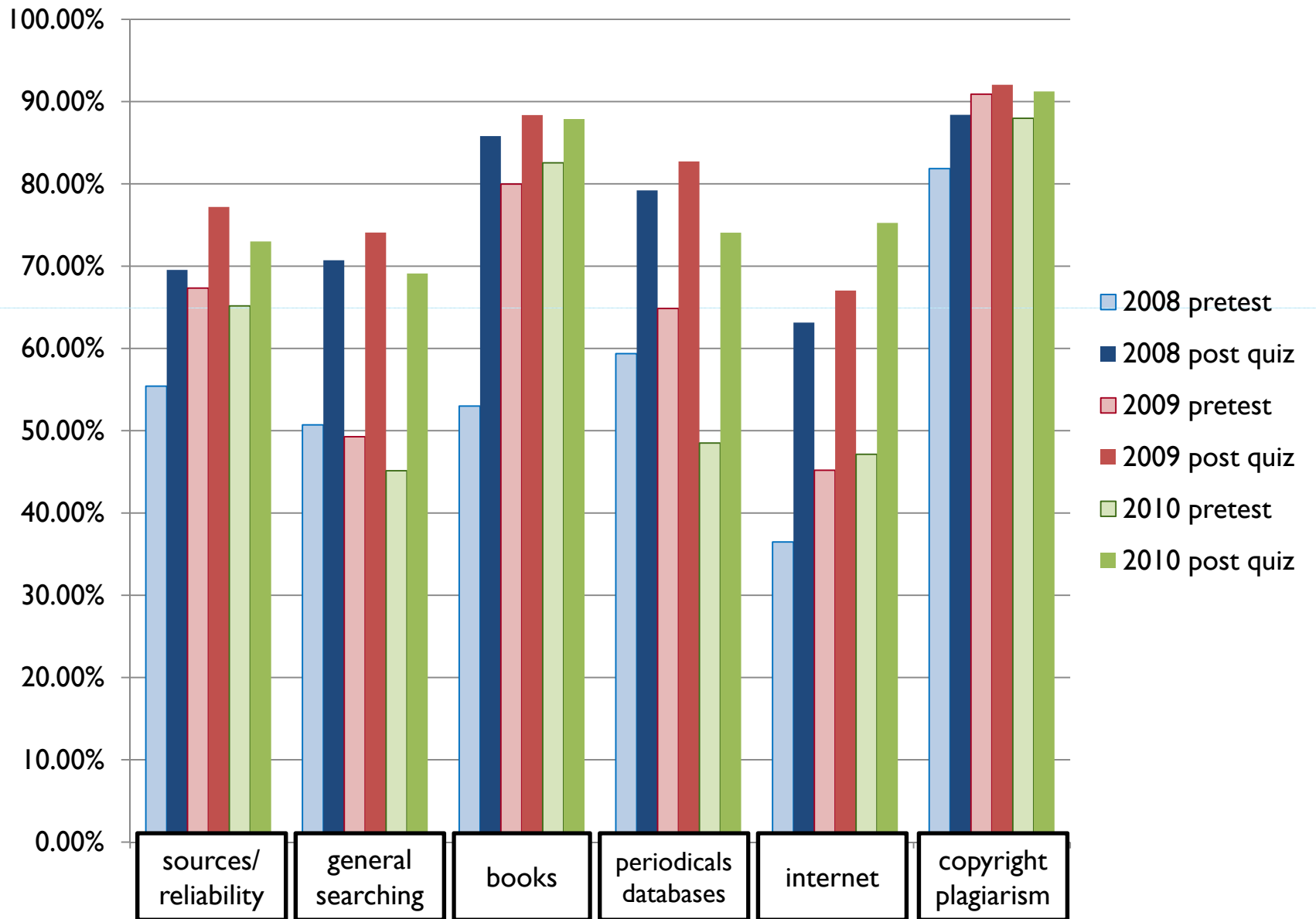## All post-quiz averages are now passing grades!

Post-quiz Opinions

This tutorial had useful information to help me find information for research.

More students find the tutorials useful in 2010 than 2009.

2008-2010 Comparisons

Increase Comparisons

- Average score of all post-quizzes combined: 78.43%

- An increase of over 10% when compared to pretest average of 67.65%

Year	Pretest Total Ave	Post Quiz total Ave	Increase
2010	67.65%	78.43%	10.78%
2009	70.14%	80.85%	10.71%
2008	61.68%	76.74%	15.06%