TURNING TO YOUR NEIGHBOR
2 BIG QUESTIONS

AARHUS UNIVERSITY

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Turning Technology User Conference
Aarhus, Denmark

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Turning Technologies

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MAZUR GROUP

I'm thinking about using Peer Instruction in my class:

A. No
B. Maybe
C. Yes

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2 Big Questions

Workshop Goals

in this workshop you will:

- Identify 2 Big implementation questions pertaining to clickers and Peer Instruction
- Commit to your own opinion on these questions
- Discuss your opinions with your neighbors
- Gain access to resources to read more about Peer Instruction and clicker implementation

What is “Turn to your neighbor?”

A. One of the 10 Commandments
B. The catch phrase of Peer Instruction
C. A piece of Turning Technologies software
D. I don’t know

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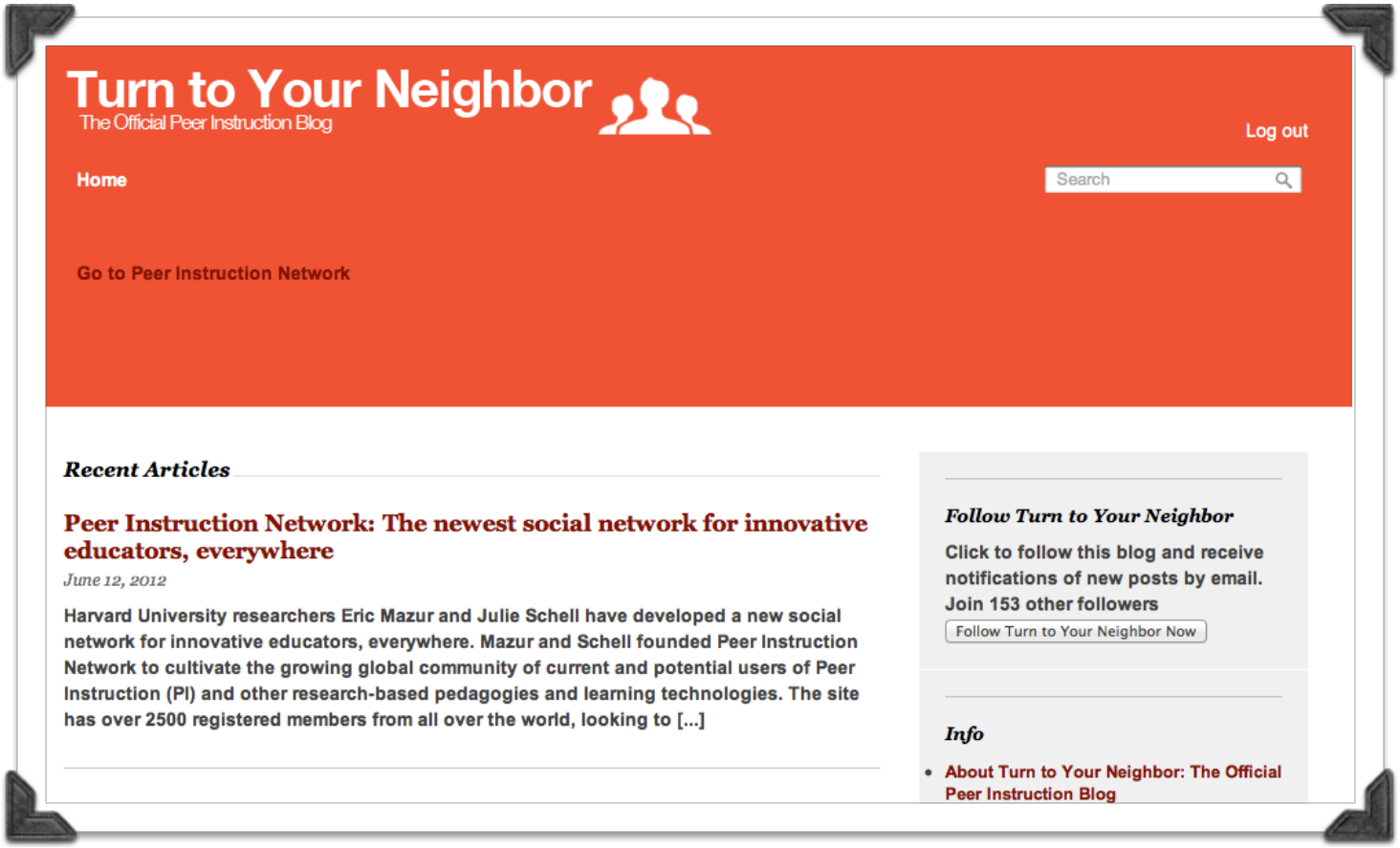
it is also our blog...blog.peerinstruction.net



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How do we pick topics to feature on the blog?

A. We cover topics we think are most important
B. We use feedback from the community to tell us what is important
C. We do search Twitter for trending #peerinstruction topics
D. I don't know

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users submit questions when they sign up...

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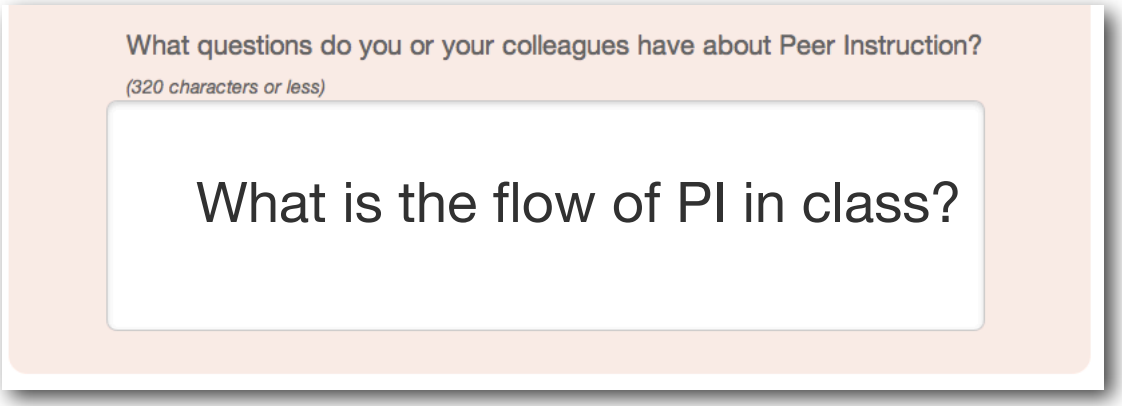
users submit questions when they sign up...

we analyze responses for most popular questions...



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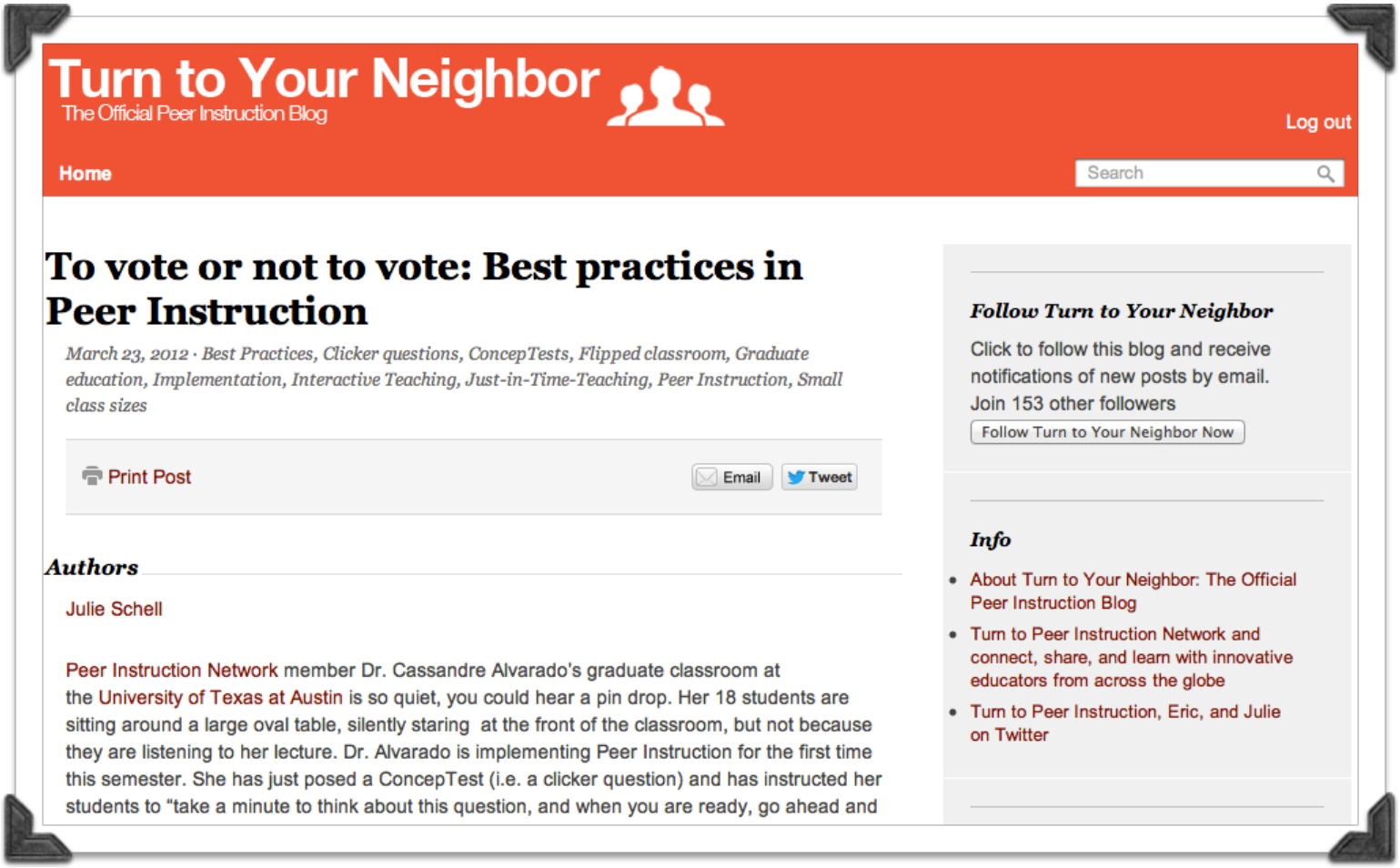
we write a post...



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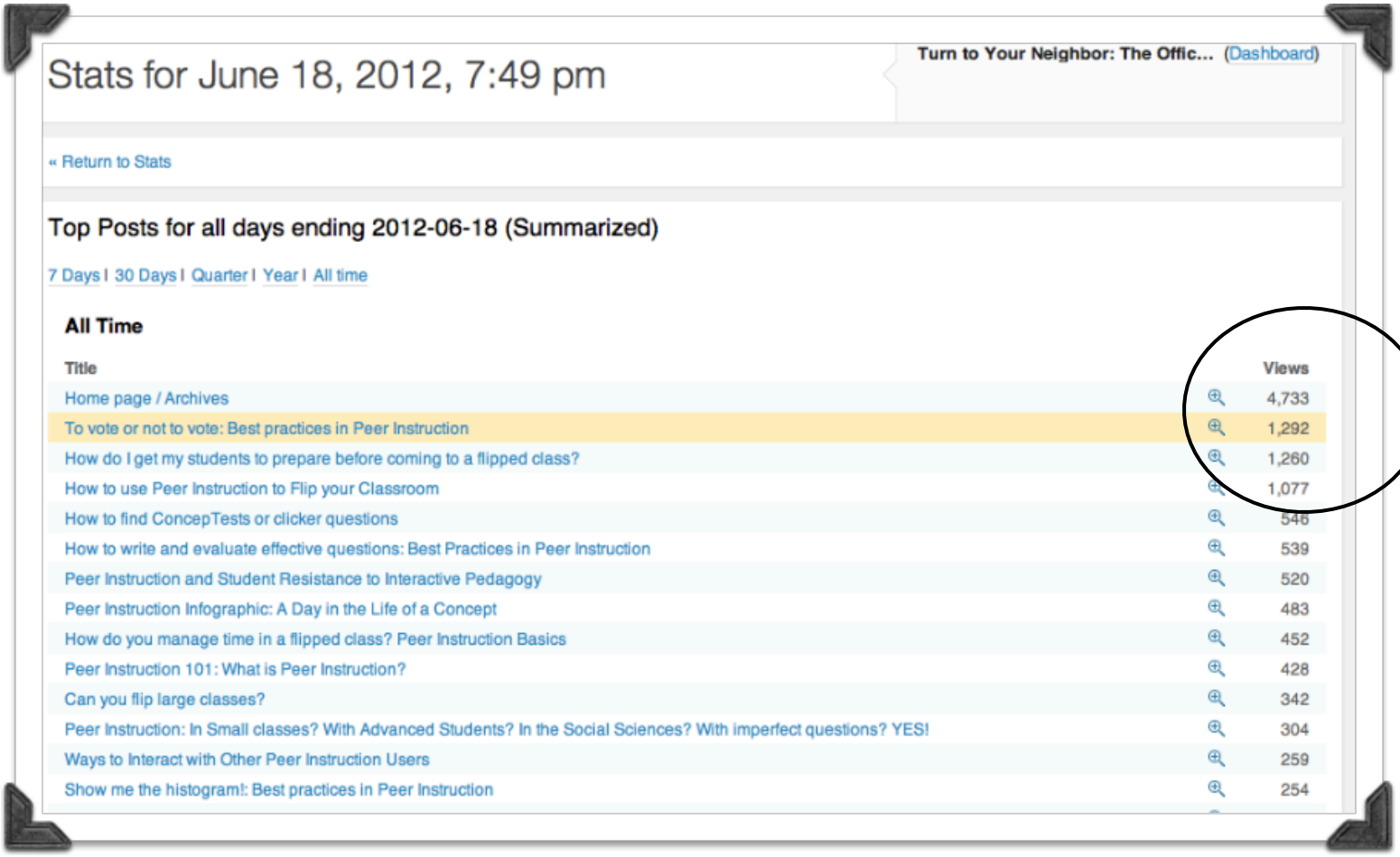
2 Big Questions

Question 1:

To vote or not to vote? That is the question.

Top viewed post on blog.peerinstruction.net



Stats for June 18, 2012, 7:49 pm

Turn to Your Neighbor: The Offic... (Dashboard)

« Return to Stats

Top Posts for all days ending 2012-06-18 (Summarized)

7 Days | 30 Days | Quarter | Year | All time

All Time

Title	Views
Home page / Archives	4,733
To vote or not to vote: Best practices in Peer Instruction	1,292
How do I get my students to prepare before coming to a flipped class?	1,260
How to use Peer Instruction to Flip your Classroom	1,077
How to find ConcepTests or clicker questions	546
How to write and evaluate effective questions: Best Practices in Peer Instruction	539
Peer Instruction and Student Resistance to Interactive Pedagogy	520
Peer Instruction Infographic: A Day in the Life of a Concept	483
How do you manage time in a flipped class? Peer Instruction Basics	452
Peer Instruction 101: What is Peer Instruction?	428
Can you flip large classes?	342
Peer Instruction: In Small classes? With Advanced Students? In the Social Sciences? With imperfect questions? YES!	304
Ways to Interact with Other Peer Instruction Users	259
Show me the histogram!: Best practices in Peer Instruction	254

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In Peer Instruction, should you ask the students to vote first, before asking them to turn to their neighbor?

A. Yes
B. No
C. It doesn't really matter
D. I don't know

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In Peer Instruction, should you ask the students to vote first, before asking them to turn to their neighbor?

Is it necessary to ask students to commit to ConcepTest or clicker answers on their own first, before asking them to turn to their neighbors?

Answer	Votes	Percent	
Yes, it is important that students commit to an answer on their own first	49	89%	
No, skipping the first poll can save you a lot of time	3	5%	
It does not really matter	3	5%	

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In Peer Instruction, should you ask the students to vote first, before asking them to turn to their neighbor?

Yes, engages cognitive strategies of expert learners..

-Metacognition

-self-monitoring

-self-regulation

-Retrieval effort

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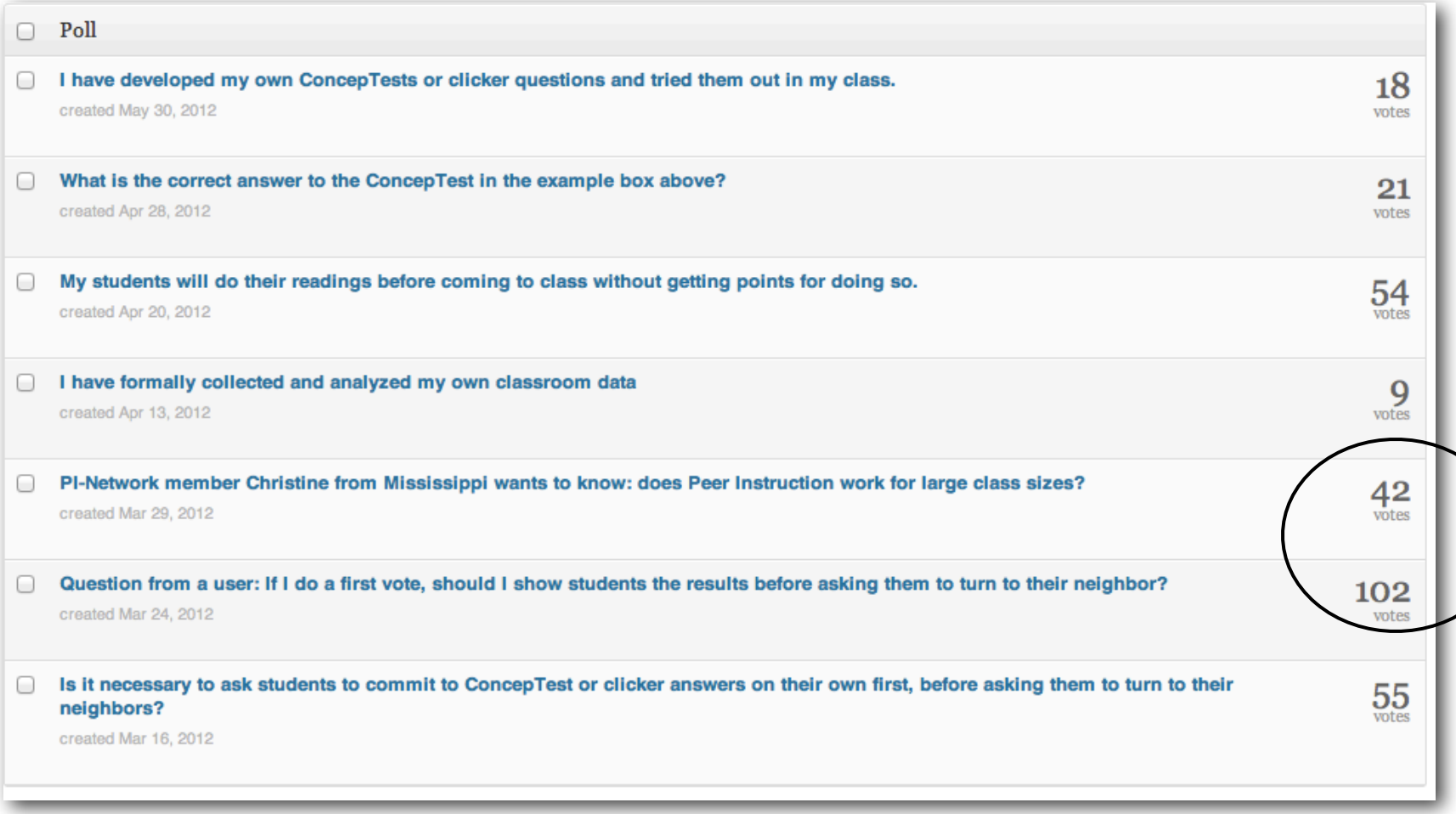
2 Big Questions

Question 2:

To display or not to display? That is the question.

we analyze the results...



Poll	
I have developed my own ConcepTests or clicker questions and tried them out in my class. created May 30, 2012	18 votes
What is the correct answer to the ConcepTest in the example box above? created Apr 28, 2012	21 votes
My students will do their readings before coming to class without getting points for doing so. created Apr 20, 2012	54 votes
I have formally collected and analyzed my own classroom data created Apr 13, 2012	9 votes
PI-Network member Christine from Mississippi wants to know: does Peer Instruction work for large class sizes? created Mar 29, 2012	42 votes
Question from a user: If I do a first vote, should I show students the results before asking them to turn to their neighbor? created Mar 24, 2012	102 votes
Is it necessary to ask students to commit to ConcepTest or clicker answers on their own first, before asking them to turn to their neighbors? created Mar 16, 2012	55 votes

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If I do a vote, should I show my students the results first before asking them to turn to their neighbor?

A. Yes
B. No
C. It doesn't really matter

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If I do a vote, should I show my students the results first before asking them to turn to their neighbor?

A. Yes
B. No
C. It doesn't really matter
D. It depends

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If I do a vote, should I show my students the results first before asking them to turn to their neighbor?

Question from a user: If I do a first vote, should I show students the results before asking them to turn to their neighbor?

Answer	Votes	Percent	
No	69	68%	
Yes	31	30%	
It doesn't matter	2	2%	

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CBE Life Sci Educ. 2010 Summer;9(2):133-40.

Does displaying the class results affect student discussion during peer instruction?

Perez KE, Strauss EA, Downey N, Galbraith A, Jeanne R, Cooper S.

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Abstract

The use of personal response systems, or clickers, is increasingly common in college classrooms. Although clickers can increase student engagement and discussion, their benefits also can be overstated. A common practice is to ask the class a question, display the responses, allow the students to discuss the question, and then collect the responses a second time. In an introductory biology course, we asked whether showing students the class responses to a question biased their second response. Some sections of the course displayed a bar graph of the student responses and others served as a control group in which discussion occurred without seeing the most common answer chosen by the class. If students saw the bar graph, they were 30% more likely to switch from a less common to the most common response. This trend was more pronounced in true/false questions (38%) than multiple-choice questions (28%). These results suggest that observing the most common response can bias a student's second vote on a question and may be misinterpreted as an increase in performance due to student discussion alone.

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Brings Peer Instruction to You

in a live, online course.

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Turn to Your Neighbor

THE OFFICIAL PEER INSTRUCTION BLOG

blog.peerinstruction.net

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