



CRLT

## How Do Students Like Using Clickers?

(Findings from Win 07 Survey in Selected LSA Classes)

Prepared by CRLT  
Fall 2007



CRLT

## Survey Goals

- examine whether
  - 1) the use of clickers motivate and engage students
  - 2) clicker questions help students learn
  - 3) technical support is adequate
- explore effective practices of using clickers



CRLT

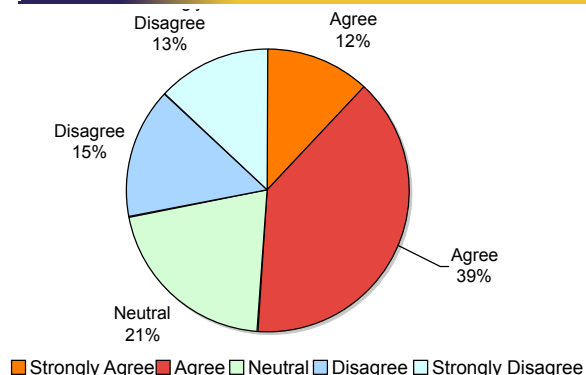
## Survey Background Info.

- 11 Class (3097 students)
- 1363 student responded (44%)
- Female 50%
- Male 48%
- Unknown 2%
- Sophomore 29%
- Freshmen 52%
- Juniors 12%
- Seniors 7%



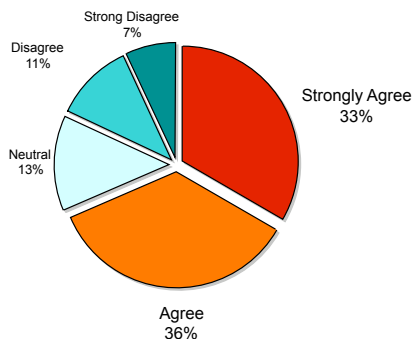
CRLT

## I like using the clickers.



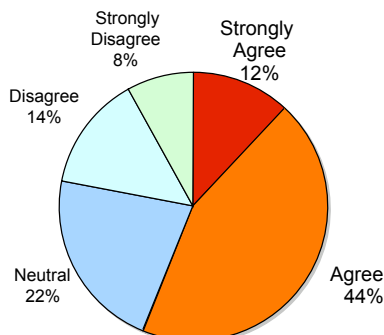
CRLT

## Using clickers improves my class attendance.



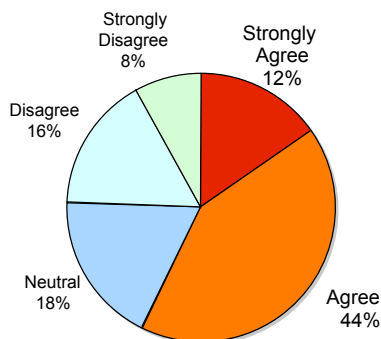
CRLT

## Using clicker questions during lectures helps me clarify whether I understand course concepts

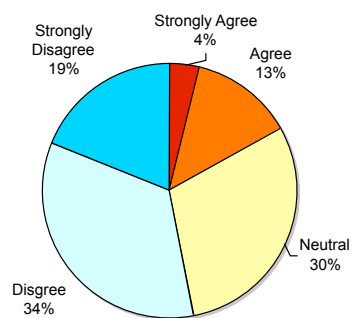




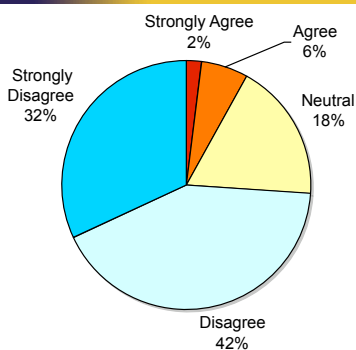
I think more about the material during lecture when ...



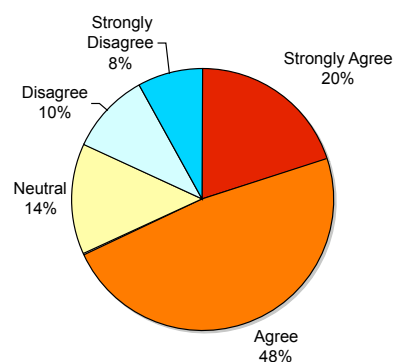
Using clickers in class increases my interest in the course subject.



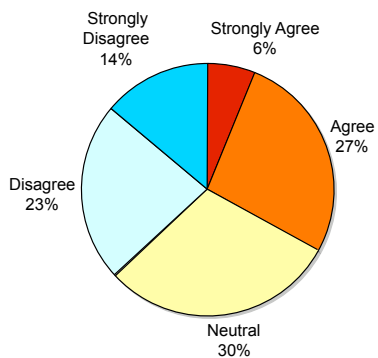
I spend more time preparing for this class so that ...



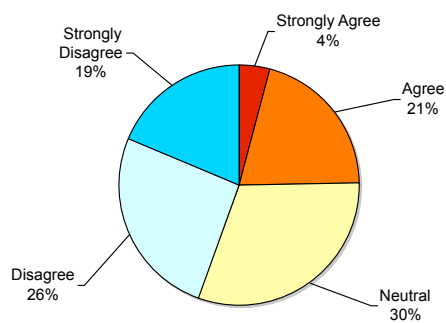
Using clickers in class is a better approach to getting students to interact ...



I believe I learned more in this class due to the use of the clickers ...

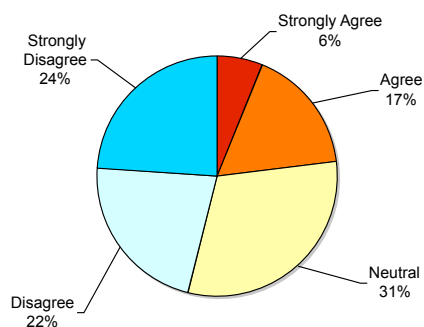


I anticipate my grade in this class improving ...

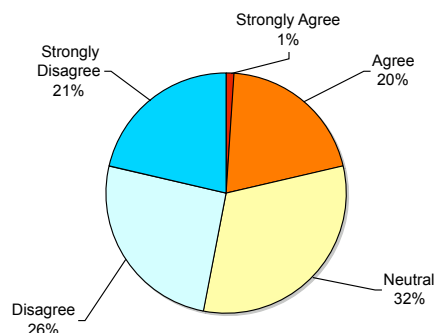




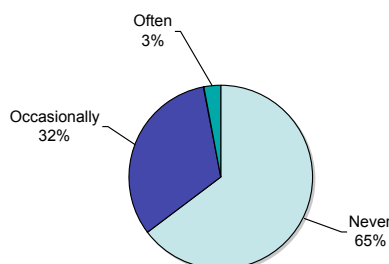
I would prefer that my other courses also use clickers.



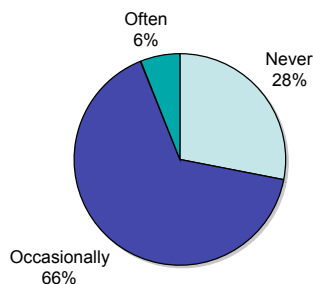
I would like my instructor to ask more clicker questions.



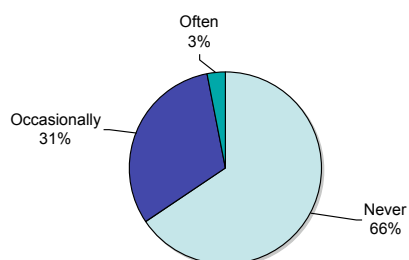
I experienced technical problems with the clicker during class.



The instructor experienced technical problems ...



I forgot to bring my clicker to class.



Most Useful Thing(s) We Do...

- Answering clicker questions
  - regular questions, past exam/midterm/quiz/test questions, and concept questions
- Learning content material
- Making students go to class and pay more attention during lecture



## Most Useful Thing(s) We Do...

- Getting easy and extra points
- Taking class attendance
- Seeing a distribution of other students' responses
- Feedback to instructor
- Class interaction and participation



## Things I've been most frustrated about...

- Using clickers to check attendance
- Technical problems
- Cost (paying for clickers)
- Losing points when answering questions wrong
- Using clickers to call on students
- Remembering to bring clickers to class
- Different learning styles



## Sample Comments from Students

- “Answering questions allows me to see if I actually understand concepts, and they provide a quick three- minute break in lecture.”
- “Practice answering old or possible exam questions. If the answer wasn't unanimous, we get a second try to try to guess the answer again practice problems. This affords a break from monotonic droning lectures and a different type of thinking.”



## Sample Comments from Students

- “I enjoy that our clicker questions were not graded for the correct answer, only checked our attendance. Therefore, we could truly work through what we would do without the pressure of our grade to really learn the material.”
- “It really does help clarify information because it's intimidating to raise your hand in front of 300 students.”



## Sample Comments from Students

- “They just frustrated me. I'm in class to learn and I get punished for not knowing what I am currently learning by getting Quizdom questions wrong.”
- They force everyone to come to lecture when they don't want to be there and then everyone just ends up not paying attention and talking the whole time.”
- “The purpose of clickers should be for interactive learning, not for attendance.”



## Sample Comments from Students

- “In the beginning we were not given a very clear explanation on how to use them. I also do not like that our grade in the class depends on whether or not we get the clicker questions correct.”



## Sample Comments from Students

---

- “I feel that the clicker is great in xxx. I am more likely to come to class because of it. The questions are not difficult and Professor xxx makes it fun. But in xxx, the clickers are a horrible idea. The questions are too difficult, there is not very much feedback on the answers, and I feel that they waste way too much class to be educationally beneficial in any way.”