

Professor Alf Inge Wang Co-founder/Inventor/Researcher Kahoot! Norwegian University of Science and Technology Visiting Researcher at ISR, UCI

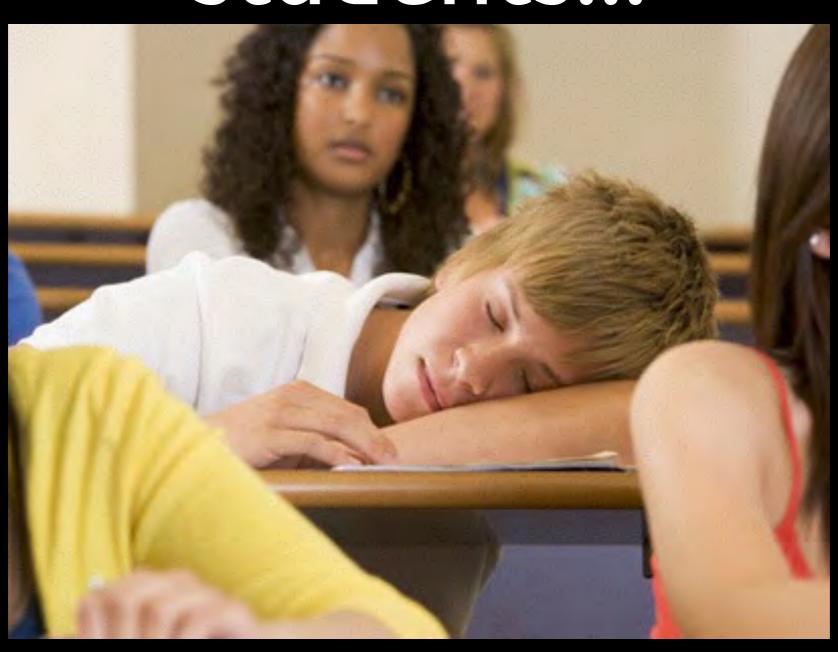
Transform unengaged students...



...to listening and engaged students



Transforms passive students...



... to active in own learning



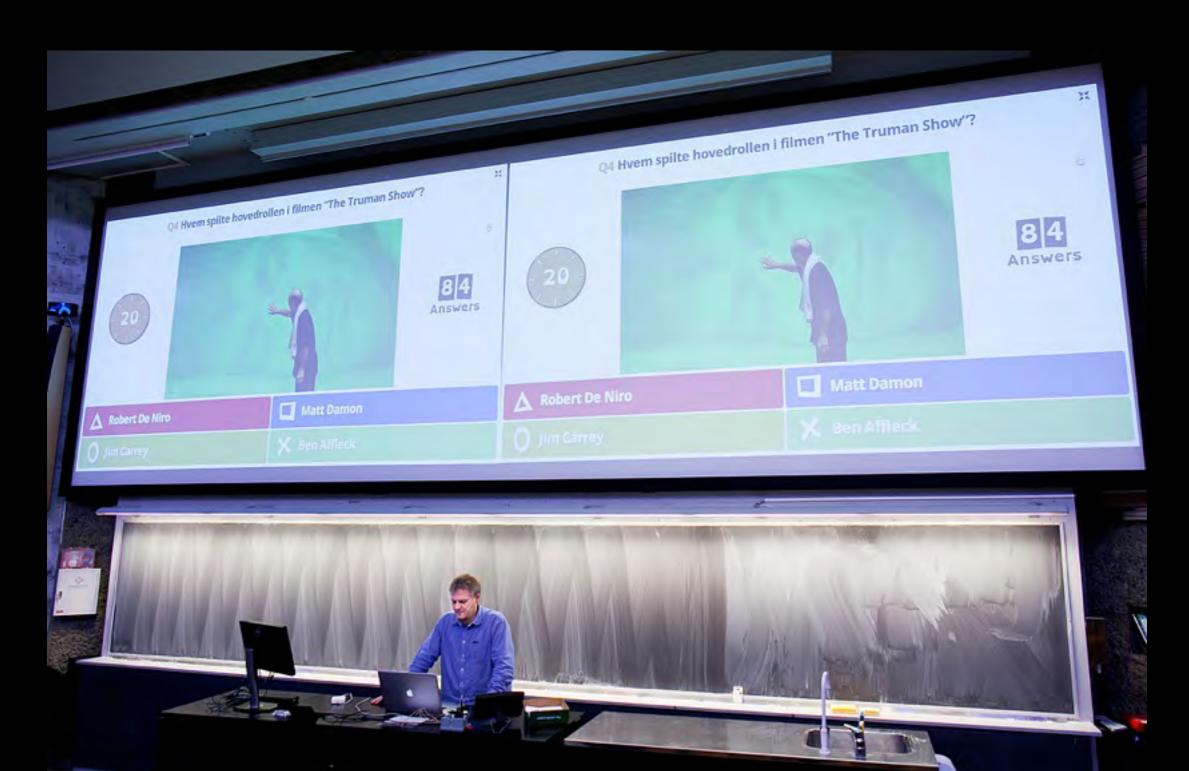
From one-way communication



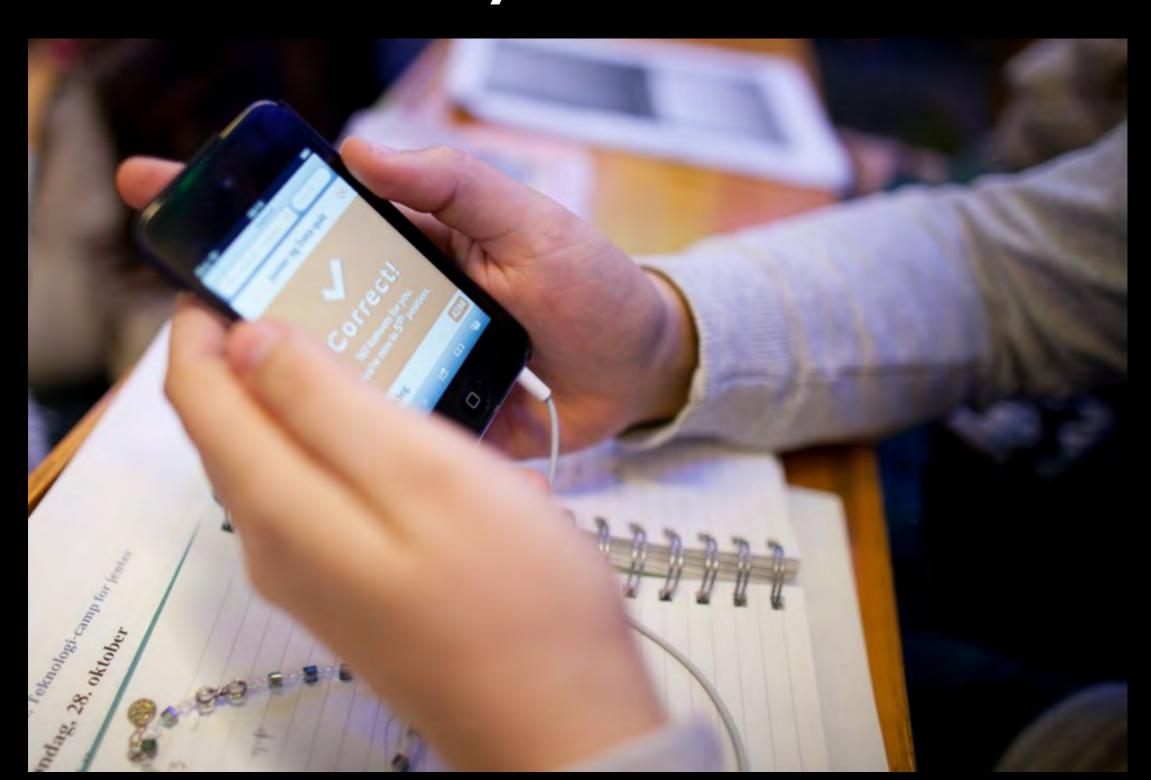
...to two-ways interaction



Provide useful feedback to instructors



Provide useful feedback about what you have learned

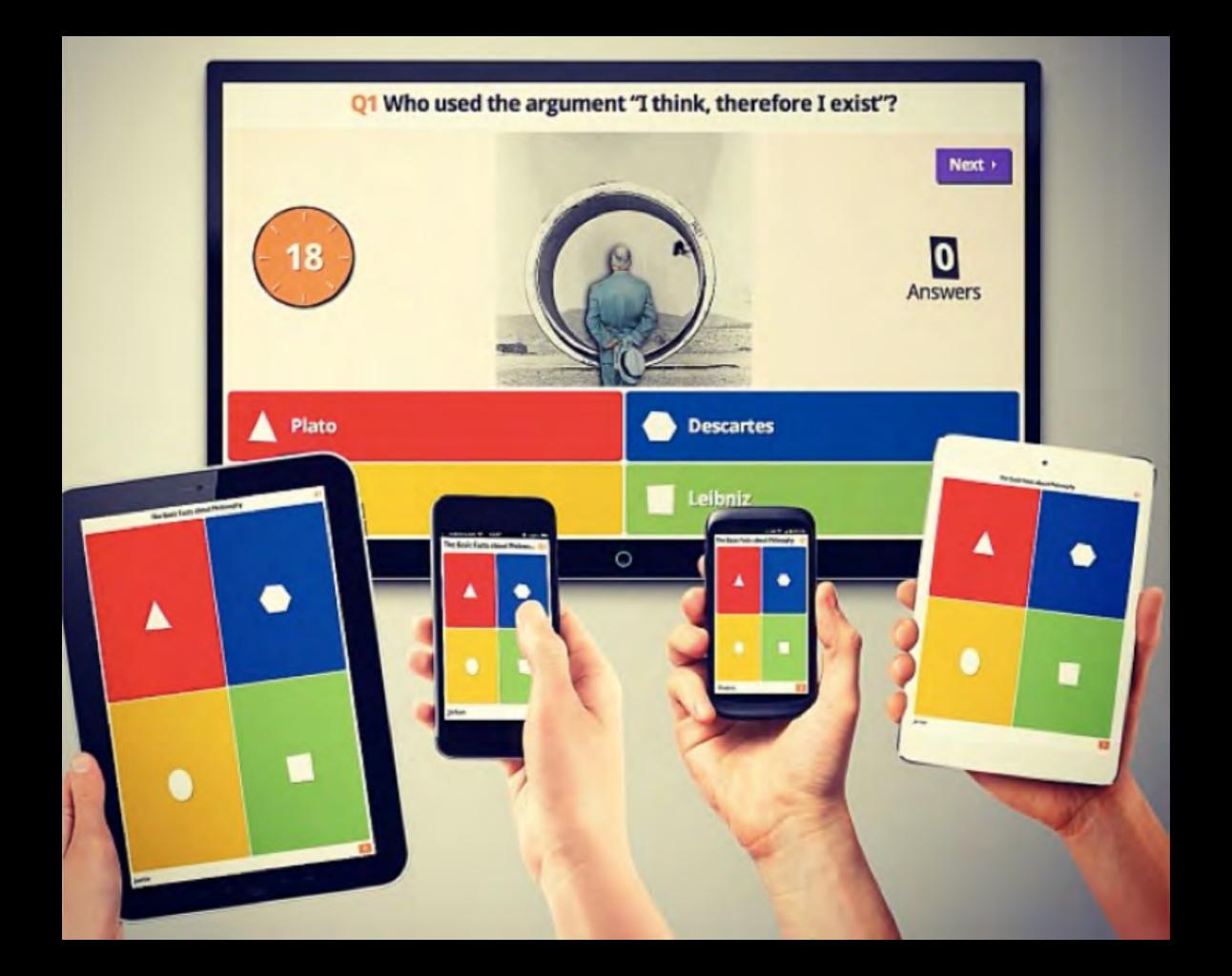


Results in more positive attitude towards learning



Kahoot! is a basically BYOD gameshow in the classroom





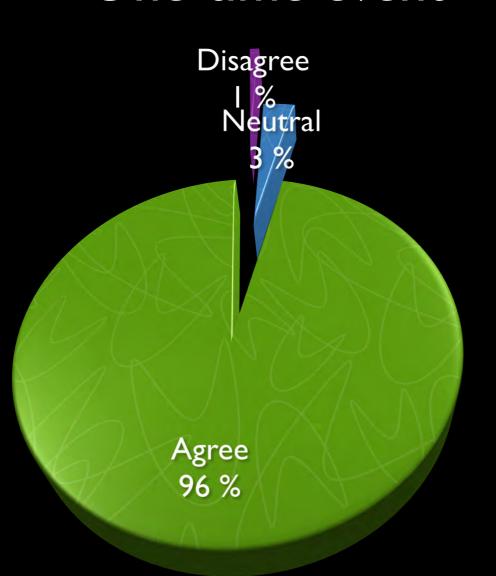
Research results: Wear-out effects

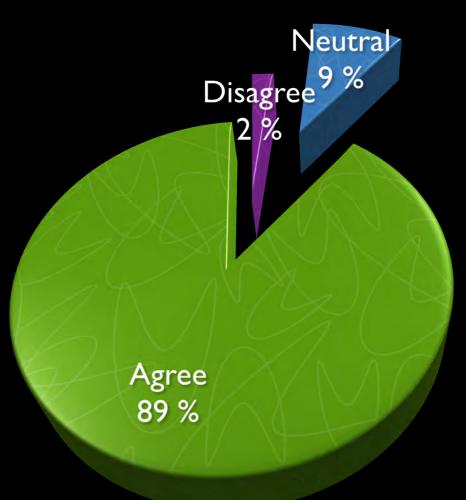
One-time event:
Using Kahoot! in motivation lecture on 206 students.
First time ever seen or used Kahoot!

One semester:
Using Kahoot! through the spring semester on 45 students.
Kahoot! was used normally several times a week!

I was engaged while playing Kahoot!

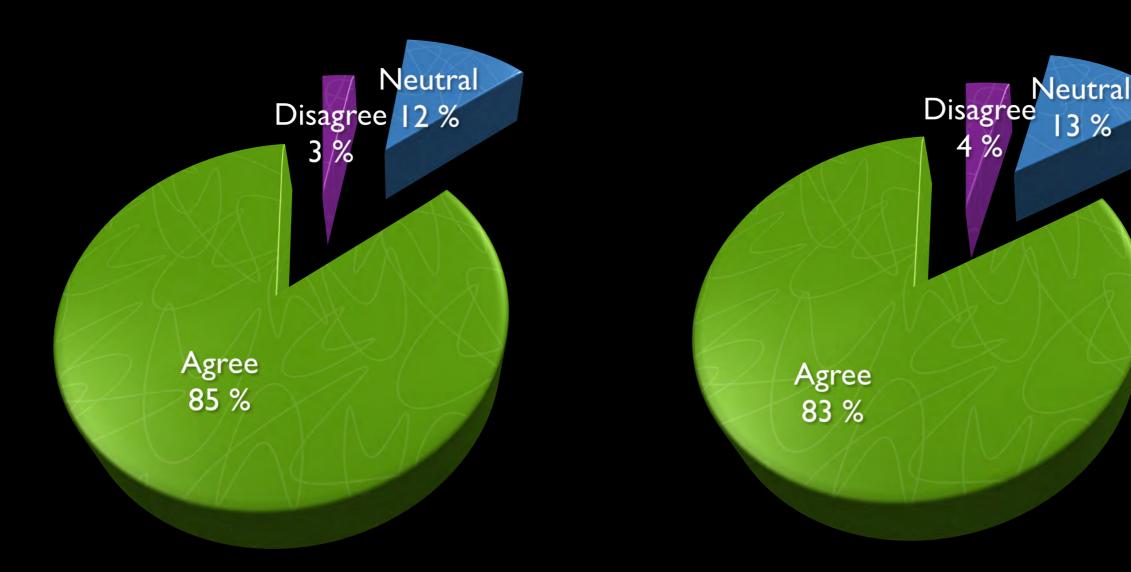
One-time event





I wish Kahoot! would be used in other classes

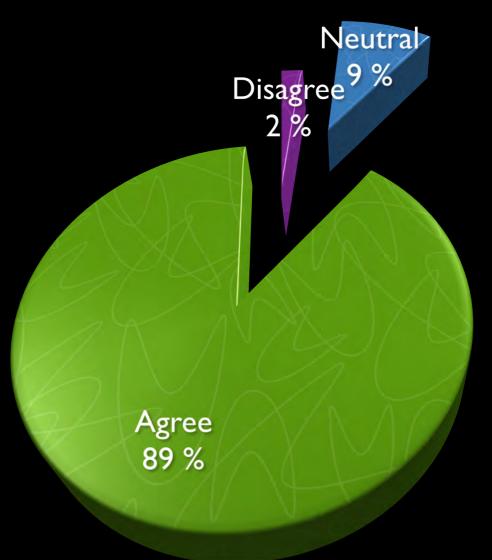
One-time event



It was fun to play Kahoot!

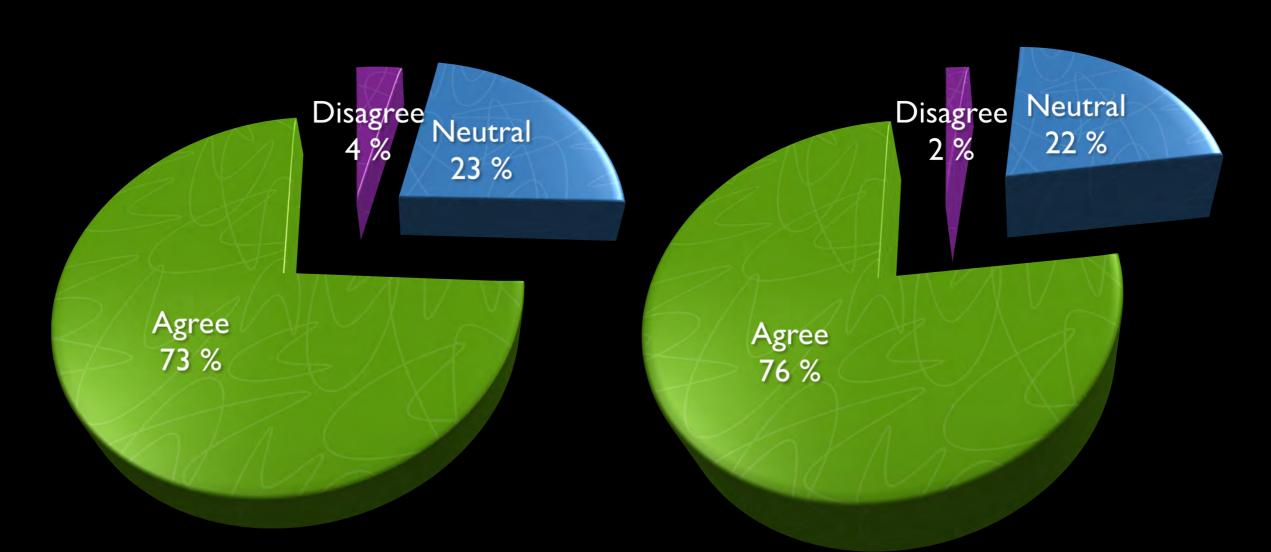
One-time event

Agree 95 %

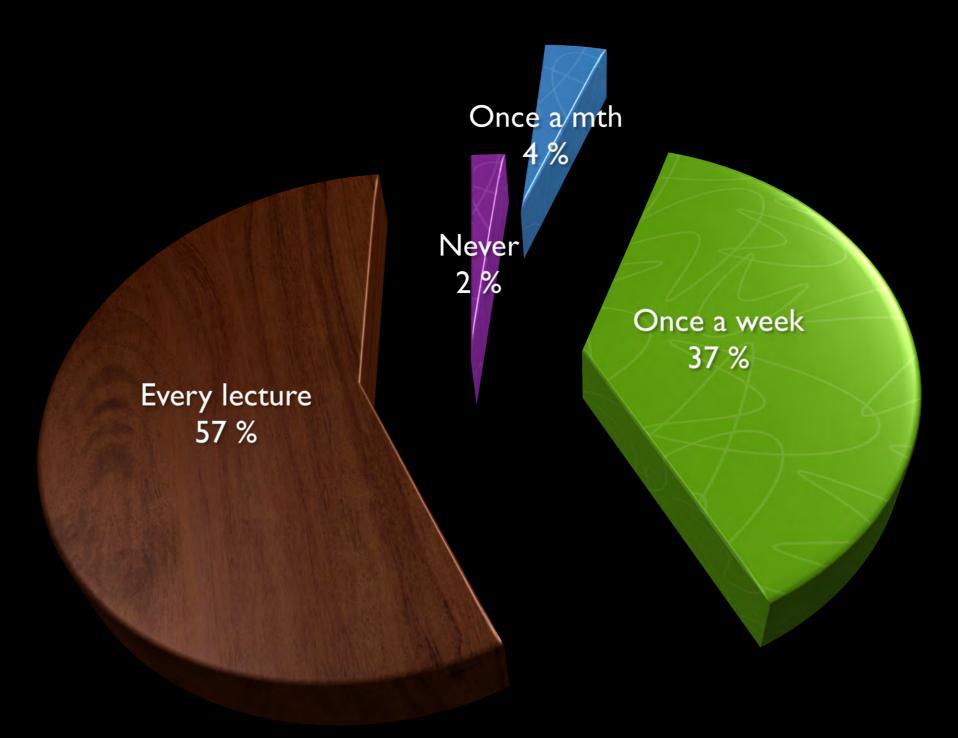


I learn from playing Kahoot!

One-time event



How often should Kahoot! be used in lectures?



Research results: Paper vs SRS vs GSRS



Experiment:

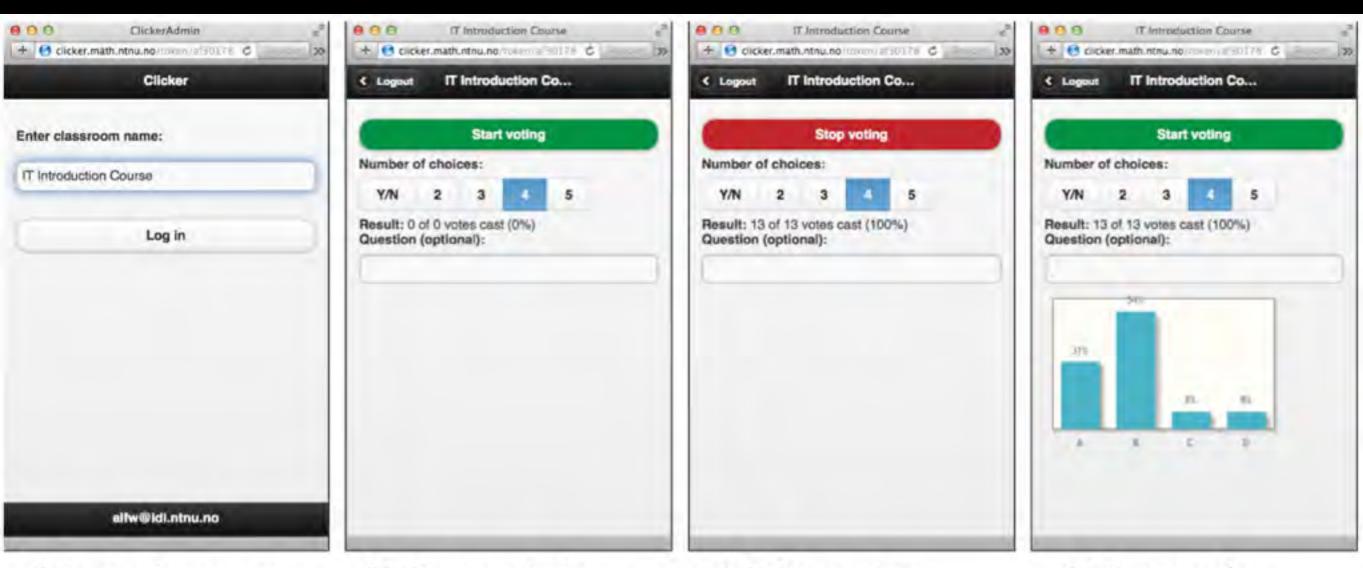
Same lecture taught in 3 parallels:

- I. Used paper form quiz to review
- 2. Used simple student-response system (SRS) to review
 - 3. Used Game-based SRS to review

Paper forms



Clicker - Student-response system



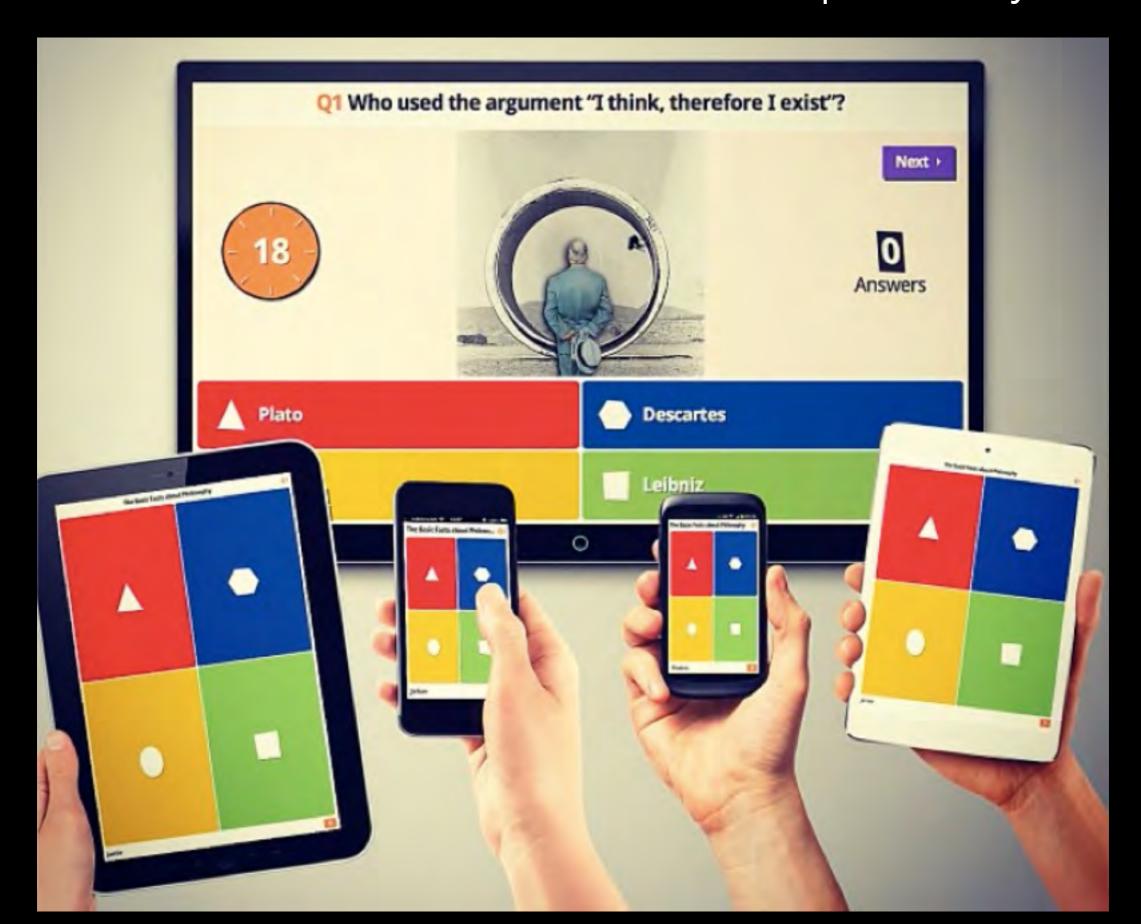
a) Enter classroom

b) Choose choices

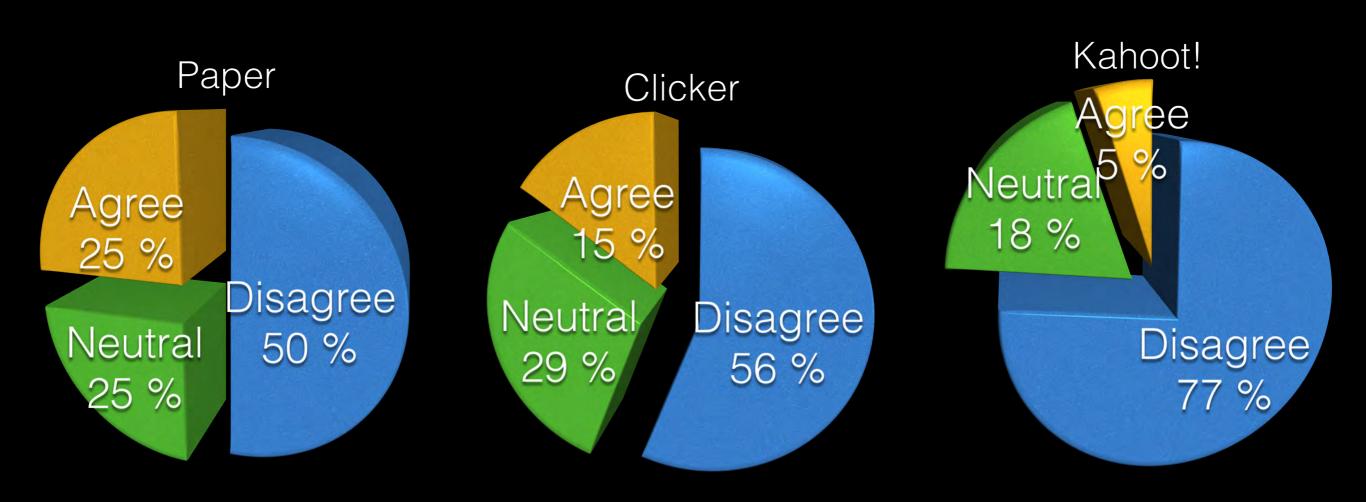
c) Collect votes

d) View results

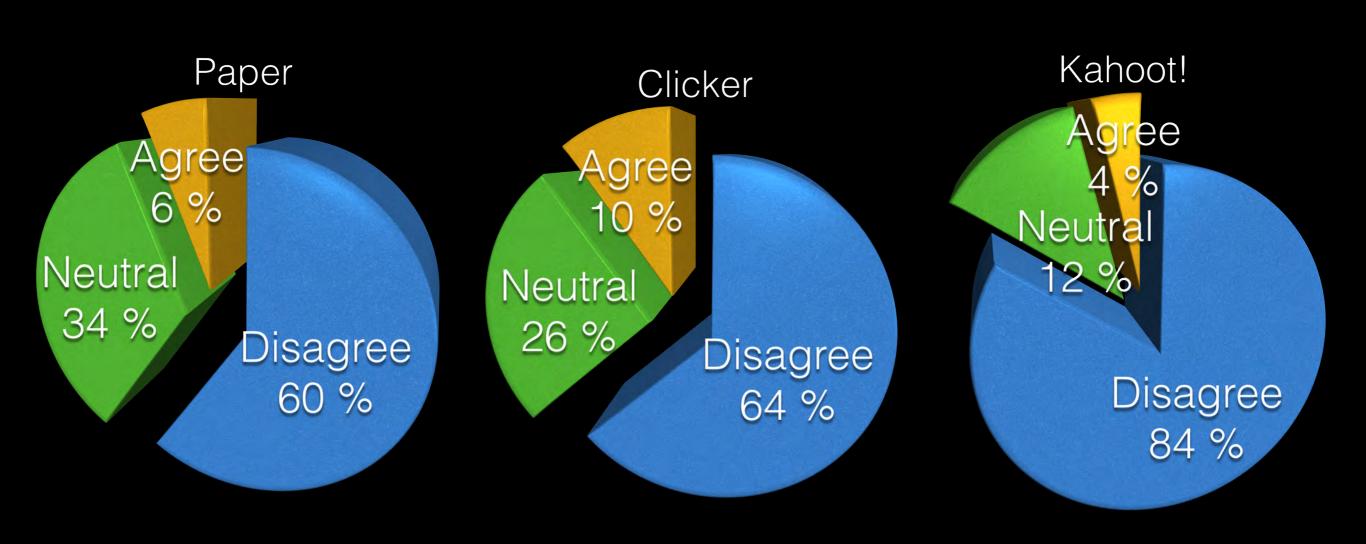
Kahoot! - Game-based student response system



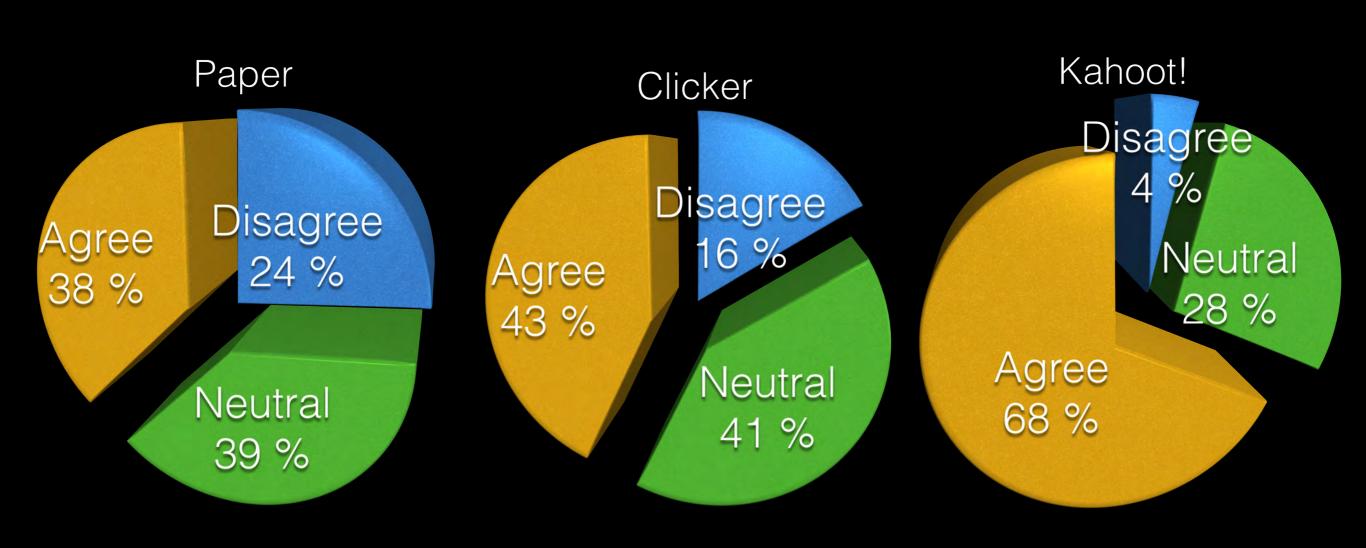
"I did the quiz only because the teacher told me to"



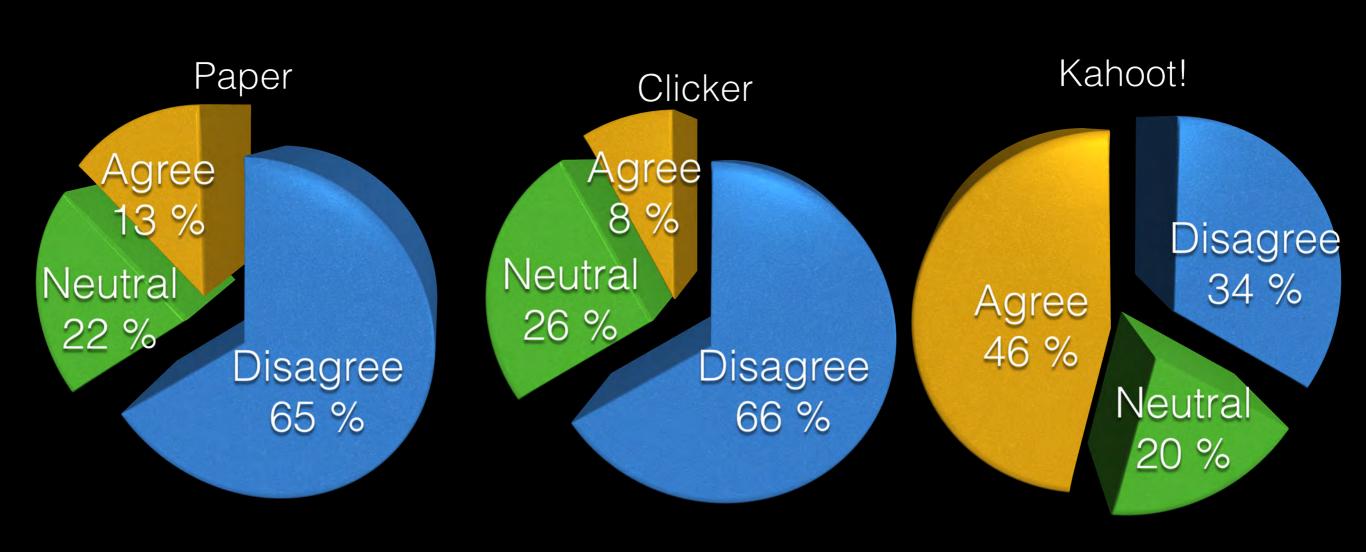
"The quiz was boring and not engaging"



"I want to do better on the quiz than most other students"



"I felt increased pulse when answering the quiz"



Other results

- Mean learning improvement (post-test pre-test):
 - Paper: 3.669
 - Kahoot!: 3.817
- Less variation for gender and whether students play video games for Kahoot!
- Most variation for gender and whether students play video games for paper quizzes.

Thanks!

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 Please try out Kahoot! and/or make your lecturer try out Kahoot!



getkahoot.com