Turning to Your Neighbor: 2 Big Questions



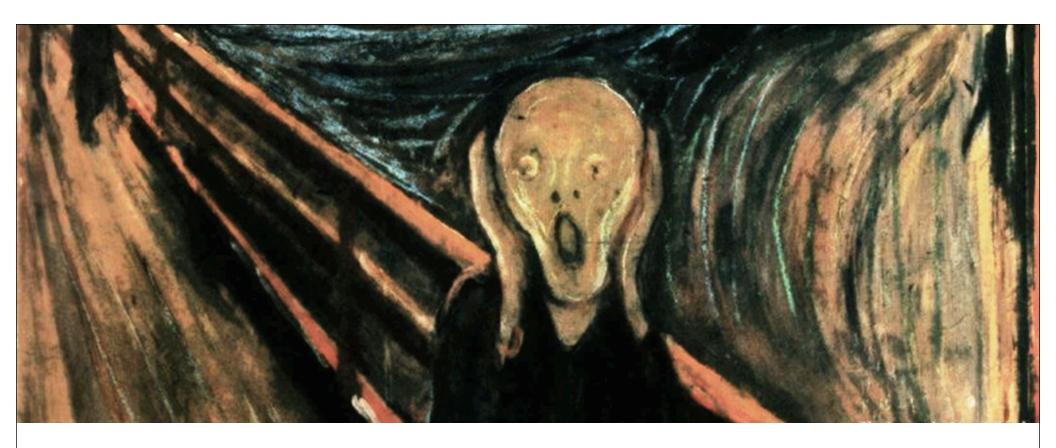




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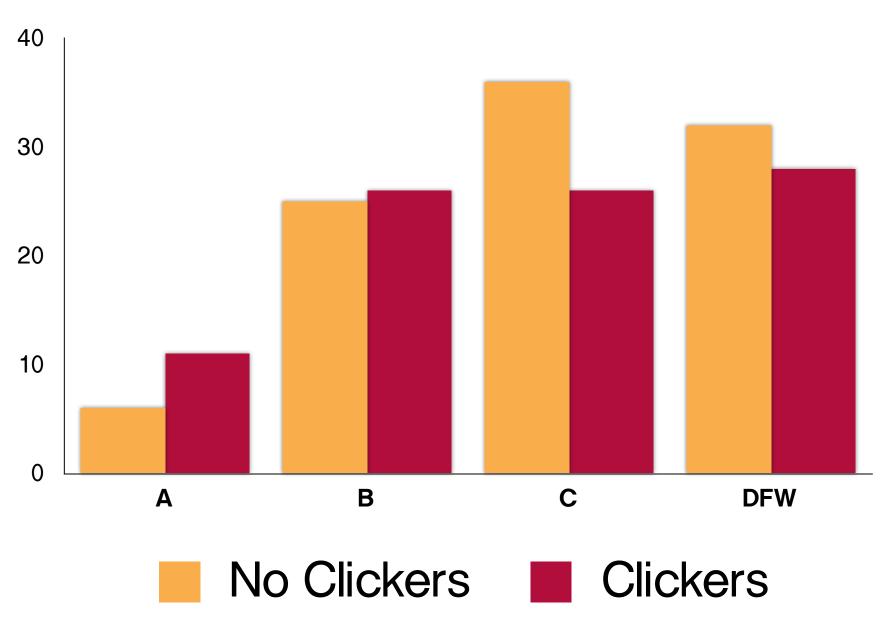


"I tried using clickers & it didn't work!"

Research says....

Students achieve the same or more when clickers are used.

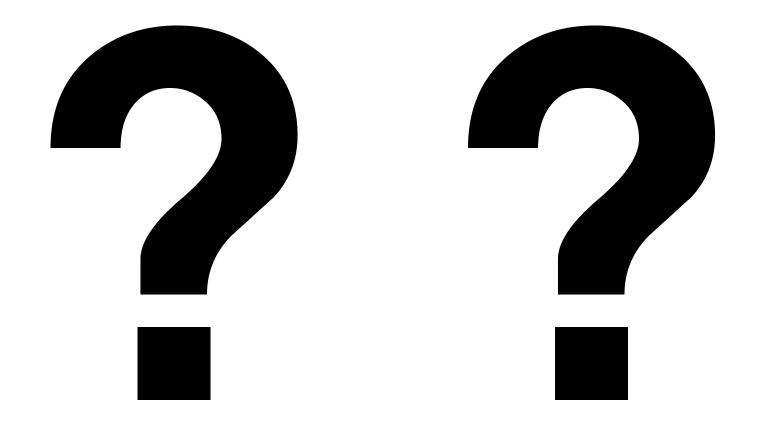




Caldwell, 2007

It's not the technology, it's the pedagogy.

What are best pedagogical practices when using clickers?



2 Big Questions



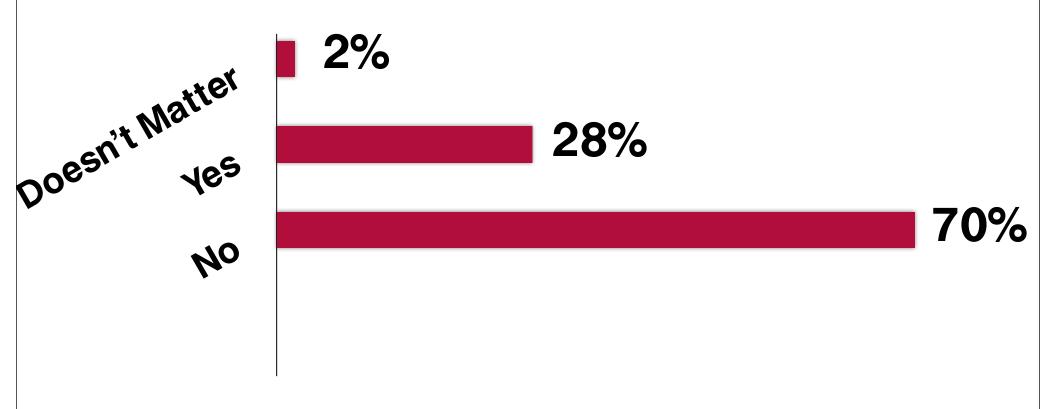
Show me the Histogram!

When using clickers, should you show students the histogram before second vote?

- 1. Yes
- **2.** No
- 3. Doesn't matter



Should show histogram?



Turn to Your Neighbor Poll, n=109



What is the only American Kennel Club breed with the official description of "barkless dog"?







A. Briard

C. Bouvier

B. Basenji

D. Borzoi





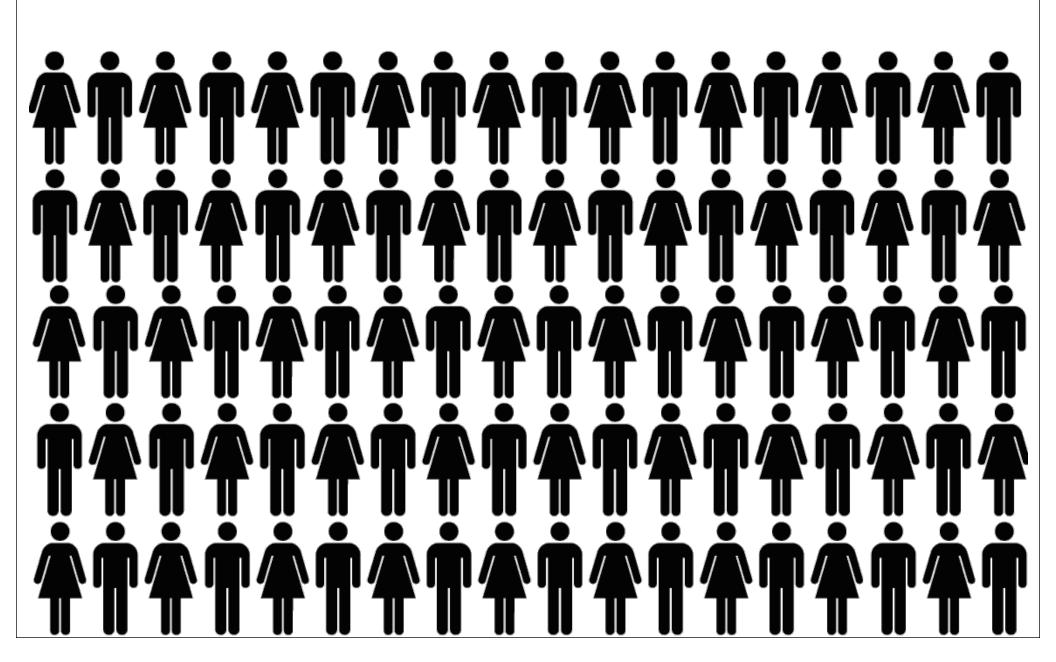
IF: show histogram on first vote

THEN: 30% more likely to change to most common response.

Perez 2012

Switching

Perez 2012



Switching

Perez 2012



When does showing the histogram *not* matter?



Gert's Moral Rules

- 1. Do not kill.
- 2. Do not cause pain.
- 3. Do not disable.
- 4. Do not deprive of freedom.
- 5. Do not deprive of pleasure.
- 6. Do not deceive.
- 7. Keep your promises
- 8. Do not cheat.
- 9. Obey the law.
- 10. Do your duty.

Heinz's wife was near death, and her only hope was a drug that had been discovered by a pharmacist who was selling it for an exorbitant price. The drug cost \$20,000 to make, and the pharmacist was selling it for \$200,000. Heinz could only raise \$50,000 and insurance wouldn't make up the difference. He offered what he had to the pharmacist, and when his offer was rejected, Heinz said he would pay the rest later. Still the pharmacist refused. In desperation, Heinz broke into the store and stole the drug.

Should Heinz have broken into the store to steal the drug for his wife?

Yes No



Showing Histograms: Best Practices

Describe Spread Verbally Pair with different response Revote Show them the Money! (Histogram)

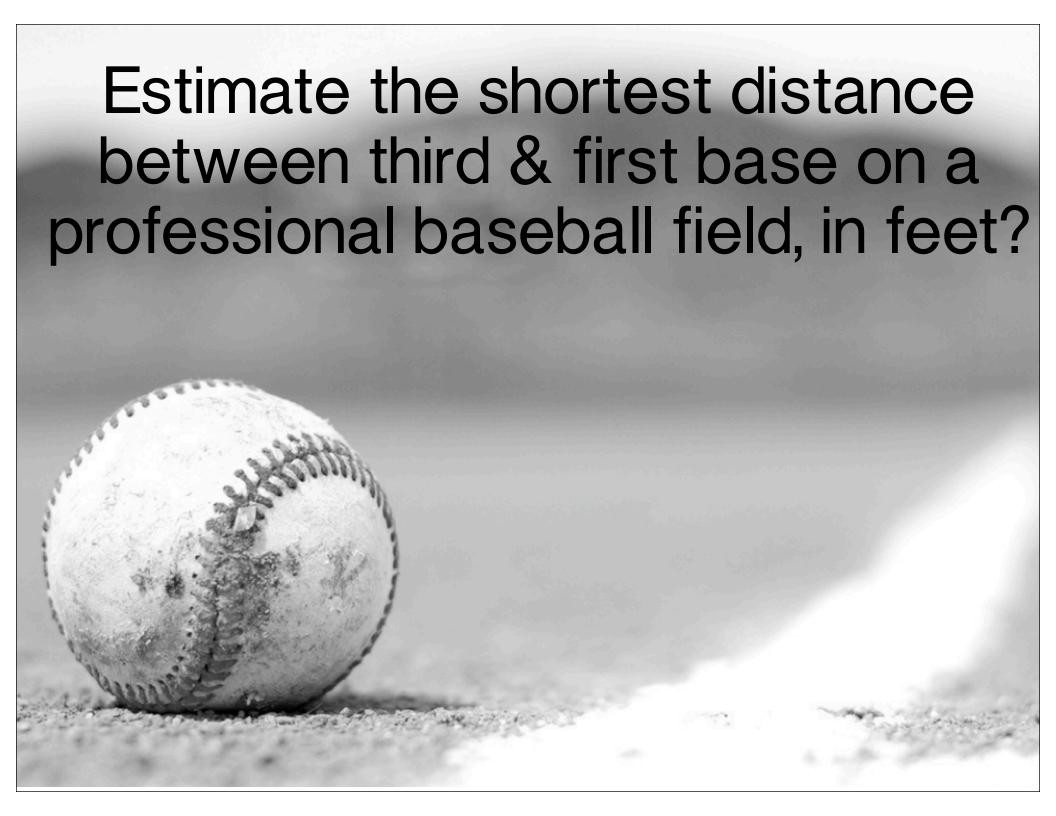


To Vote or Not to Vote? That is the Question.

When using clickers, should you have students vote first, before turning to their neighbor?

- 1. Yes
- **2.** No
- 3. Doesn't matter









1. 45 ft

2. 90 ft

3. 130 ft

4. 180 ft



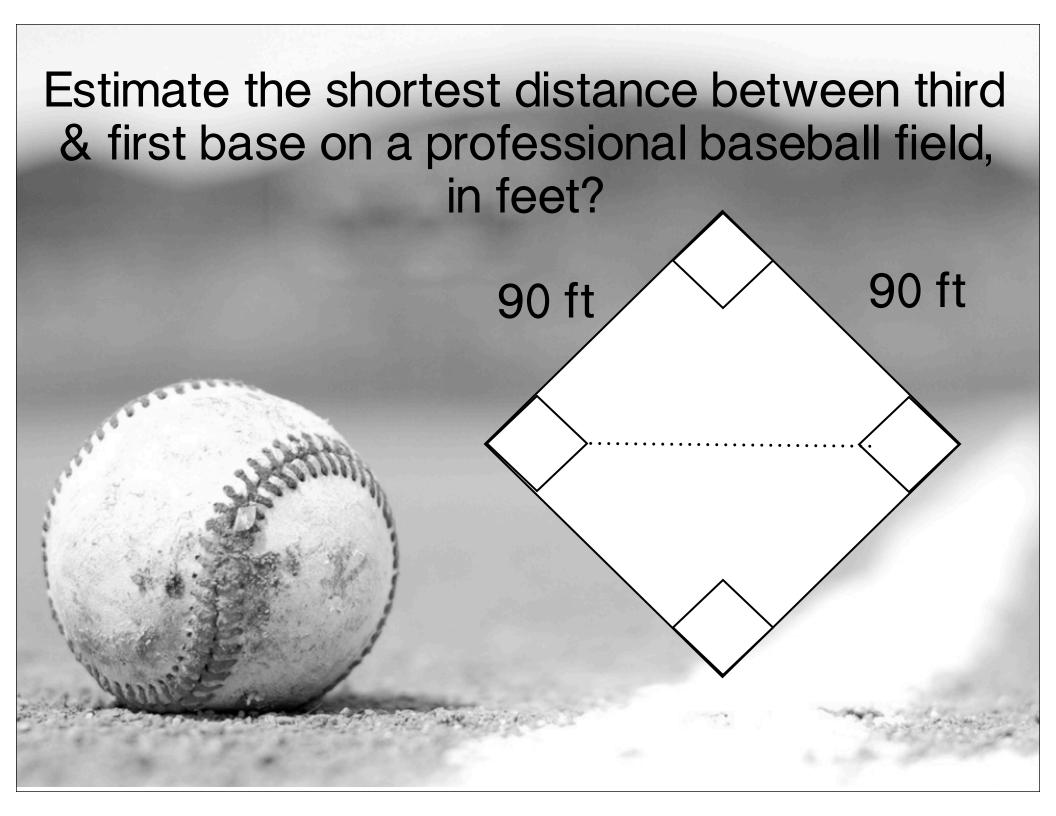


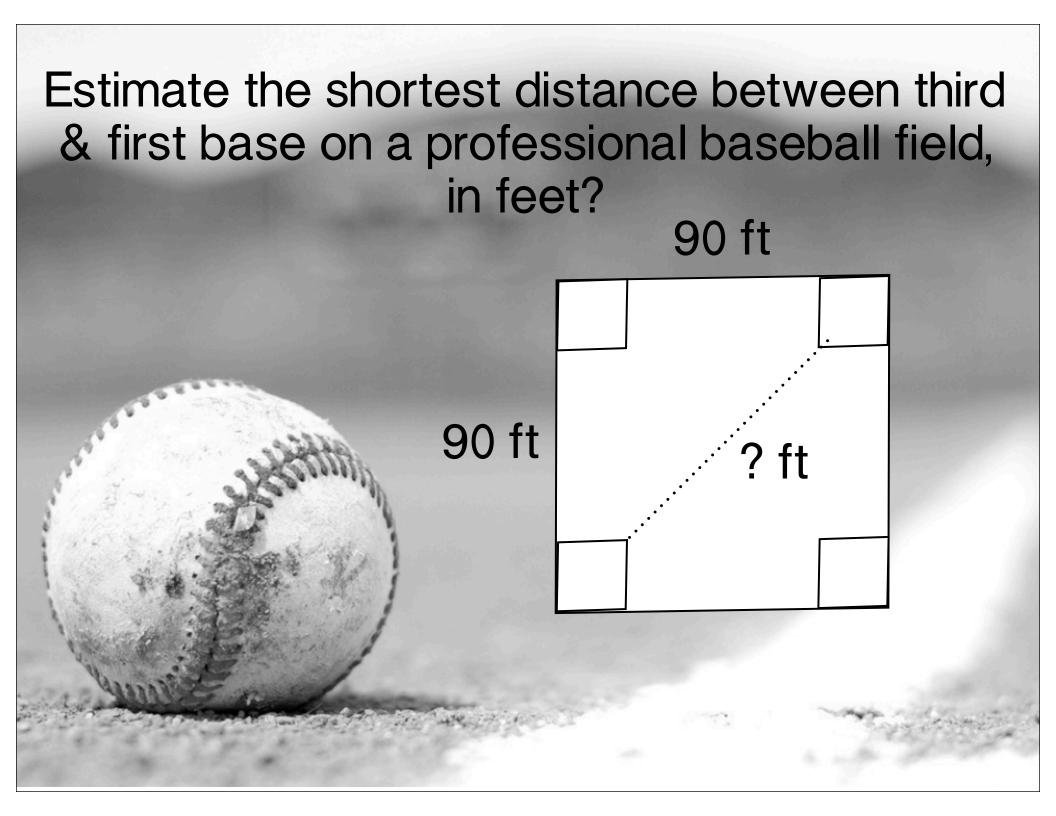
1. 45 ft

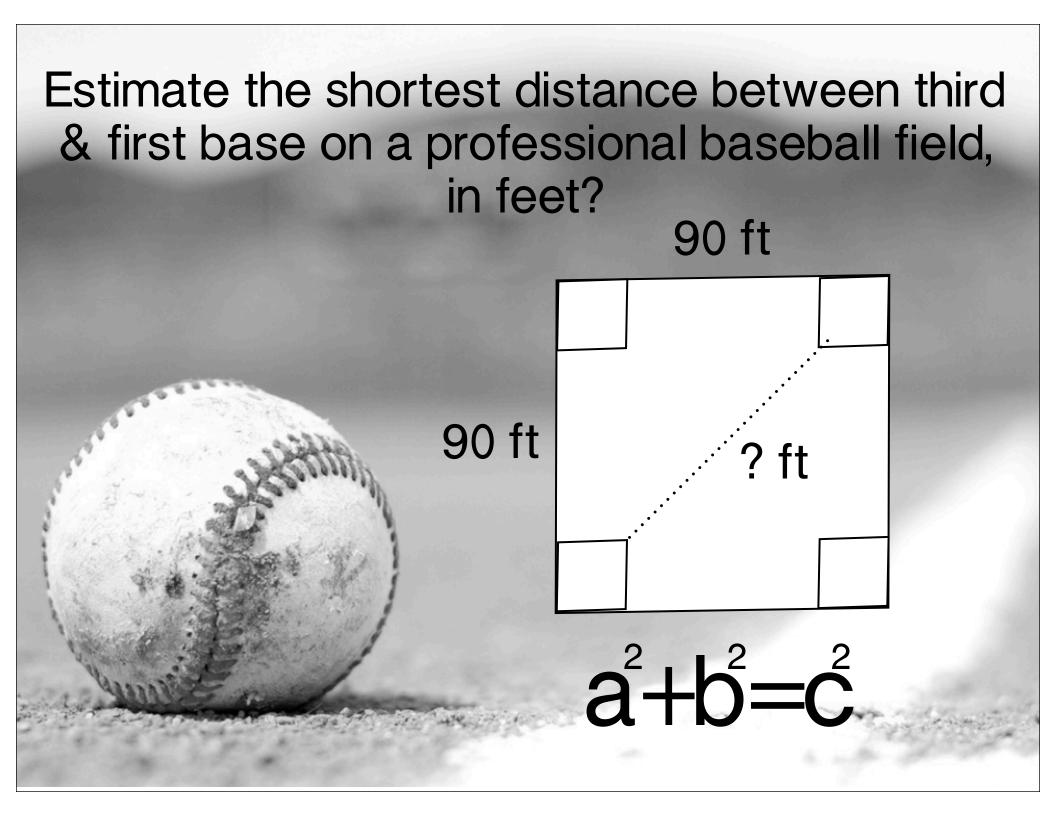
2. 90 ft

3. 130 ft

4. 180 ft



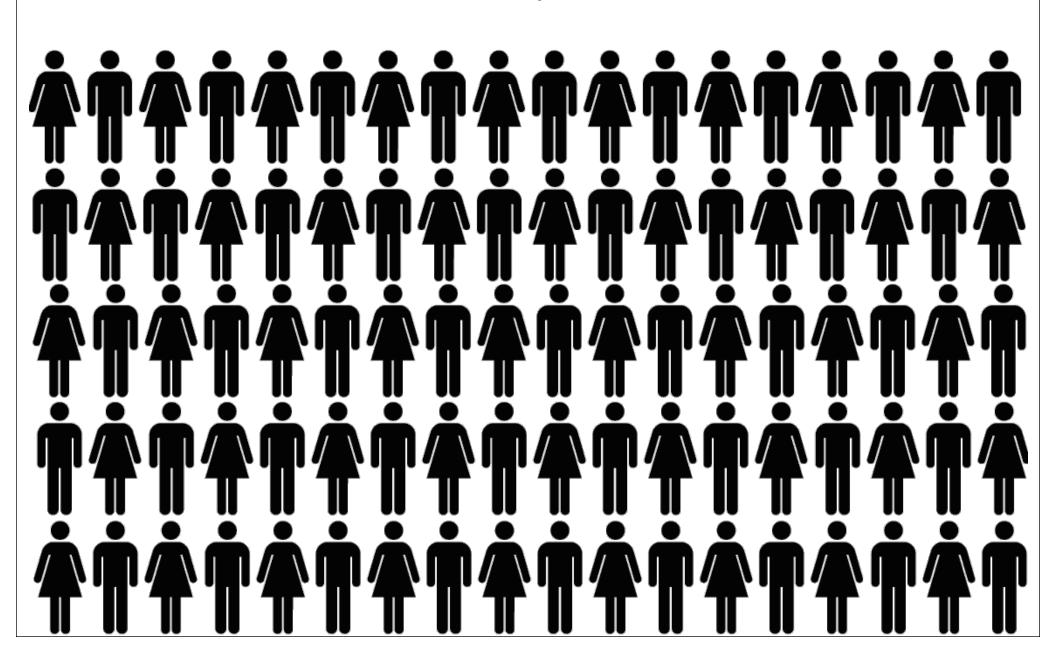




82% students prefer opportunity for individual vote.

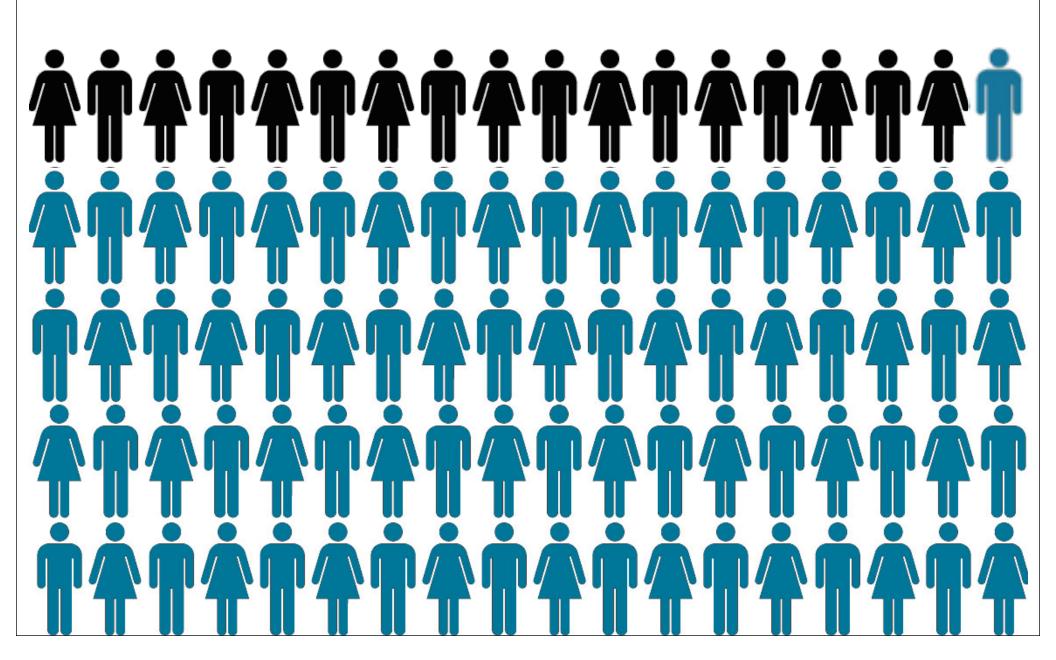
Prefer 1st Vote

Nicol & Boyle, 2003

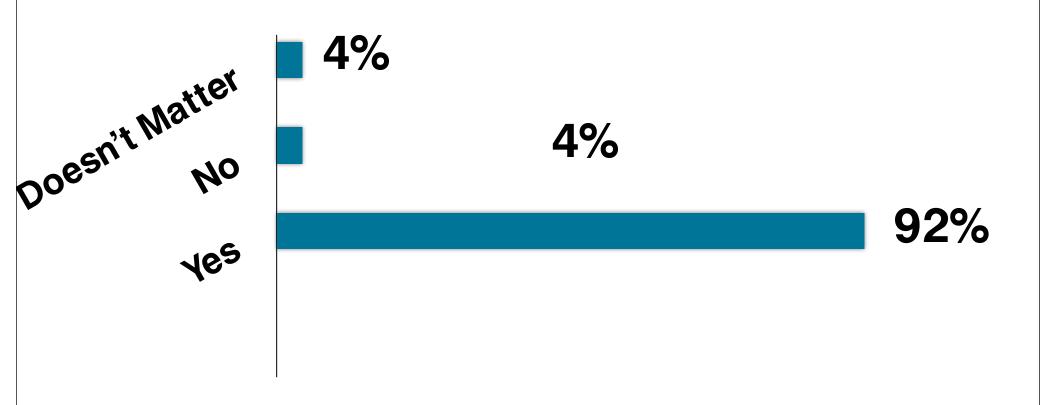


Prefer 1st Vote

Nicol & Boyle, 2003



Should have individual vote?



Turn to Your Neighbor Poll, n=73

#1 Tip

Find a Mentor



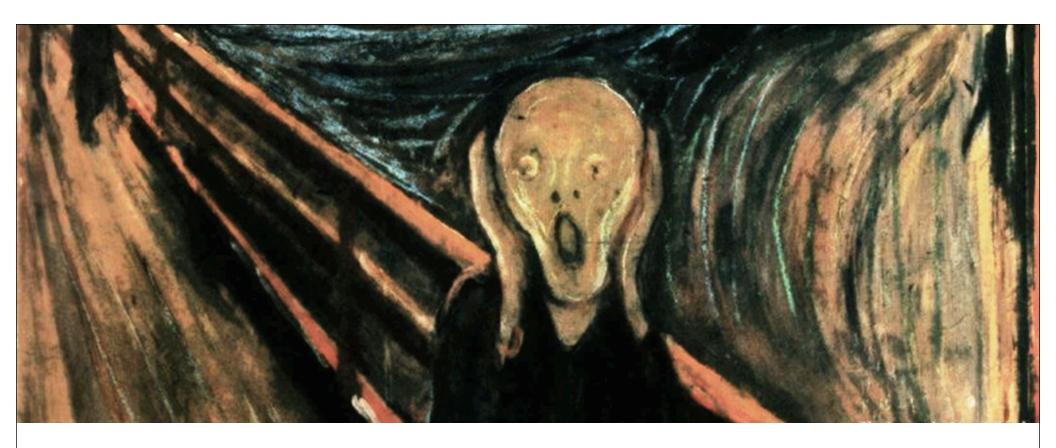
Peer Instruction Network

Connect. Share. Learn. www.peerinstruction.net

Turn to Your Neighbor

Official Peer Instruction Blog - blog.peerinstruction.net





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