1. Go to http://LCatalytics.com

2a. If you have instructor account: Log in, click "Student view"

2b. Otherwise: Create student account with signup code DEMO

3. Join session 1234567

## The Tyranny of the Lecture

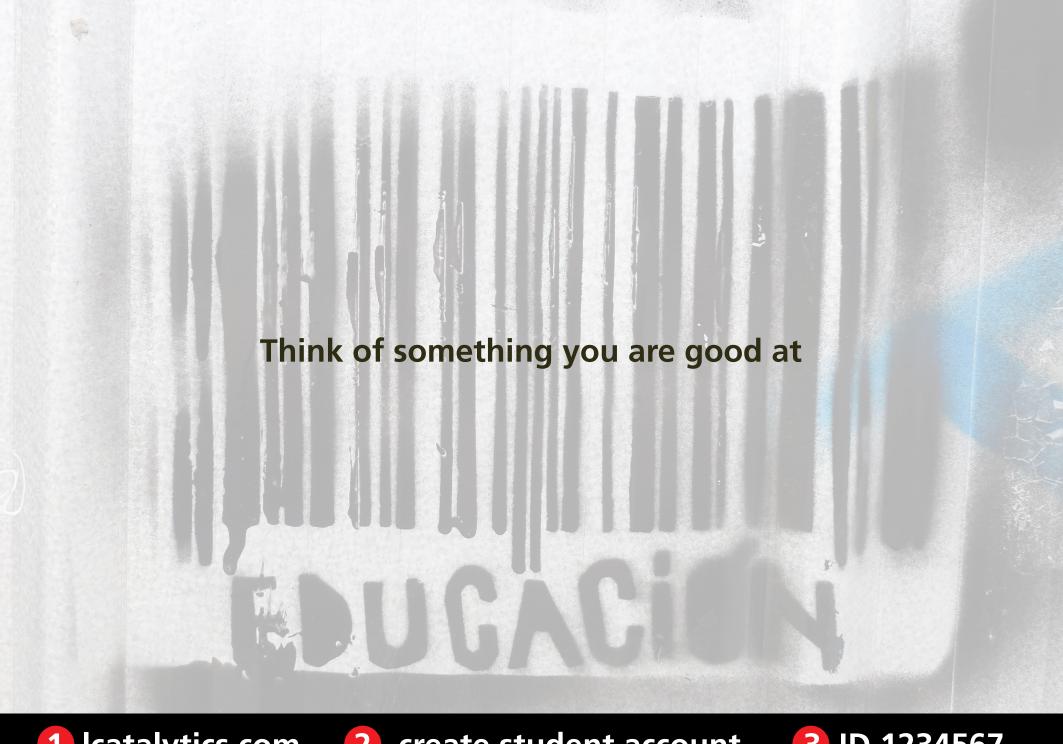


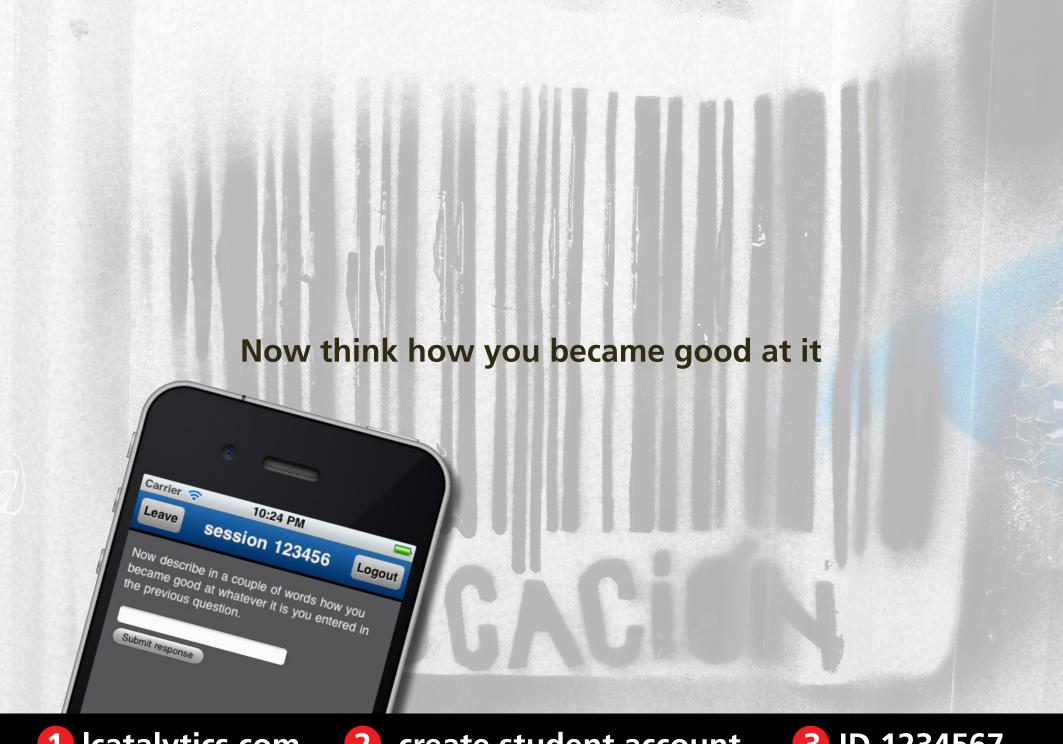


## The Tyranny of the Lecture





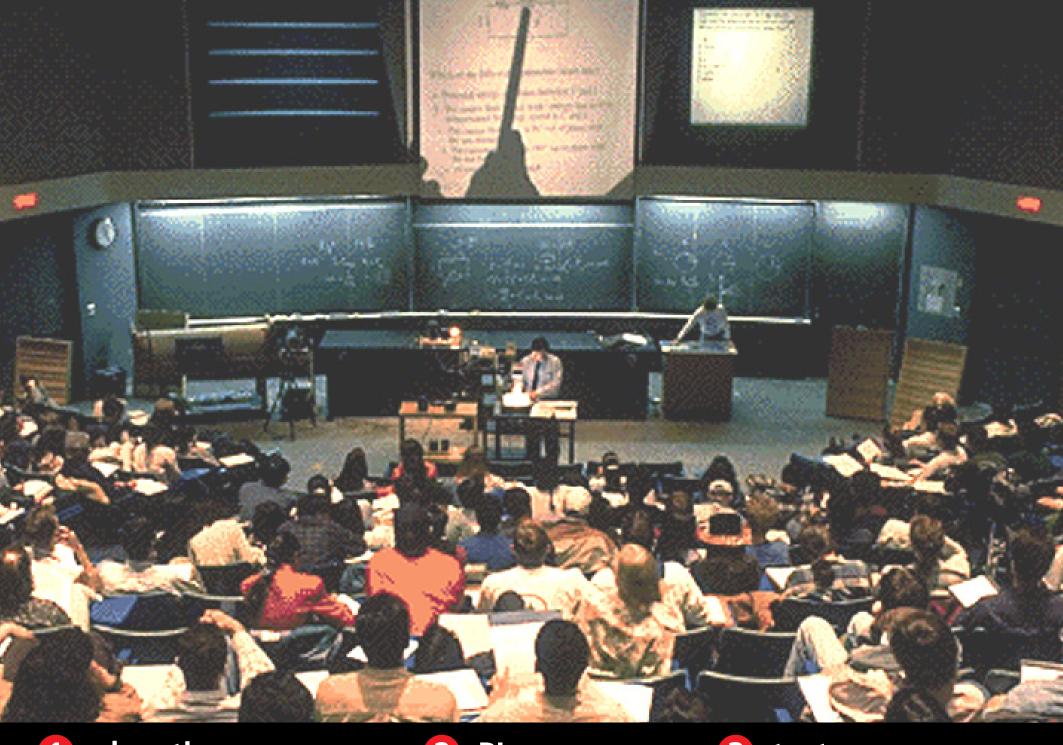












2

PI

3

test



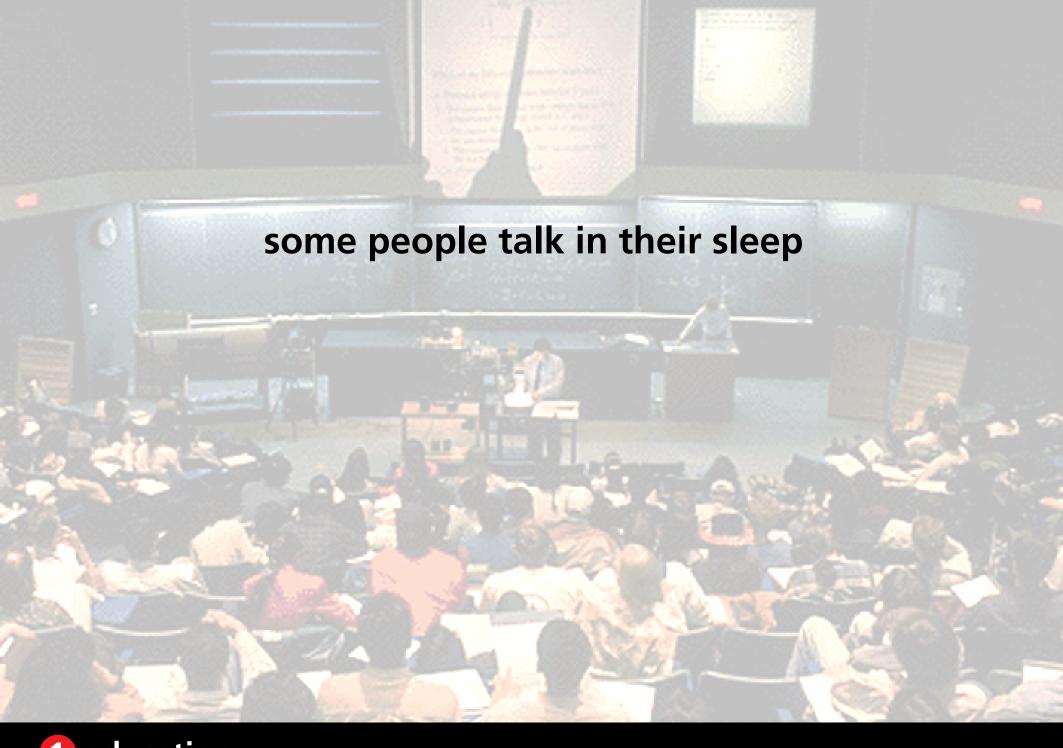
2 P

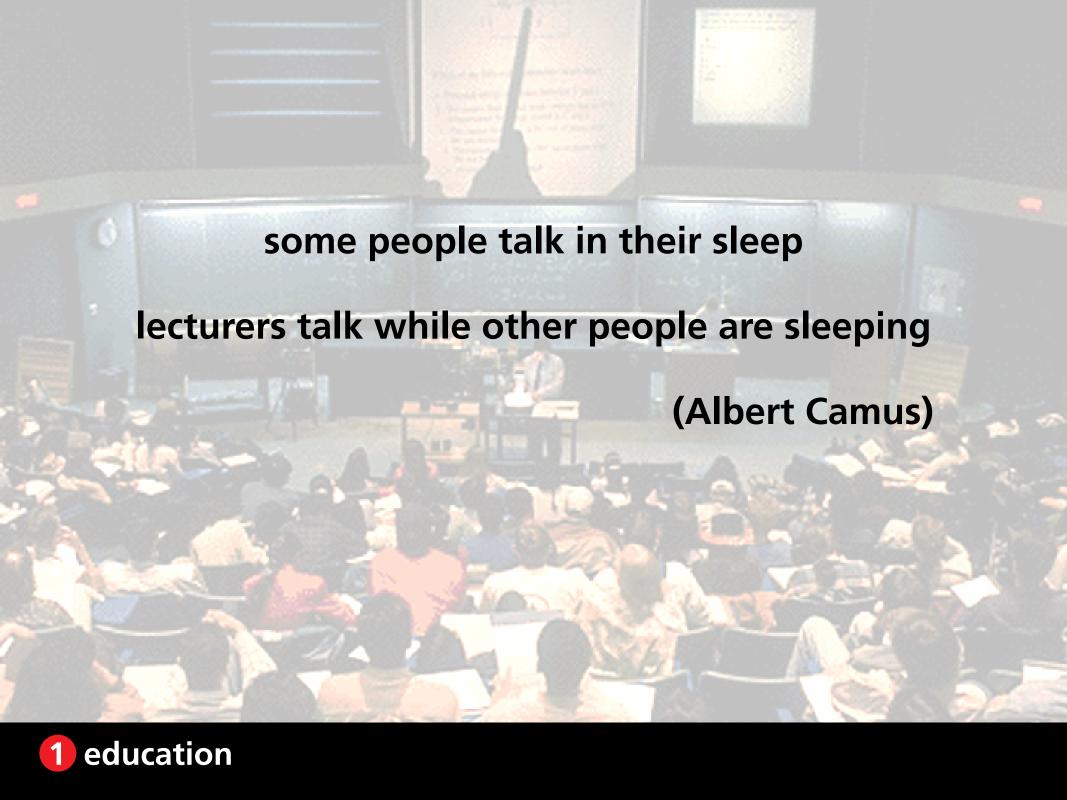
3

test

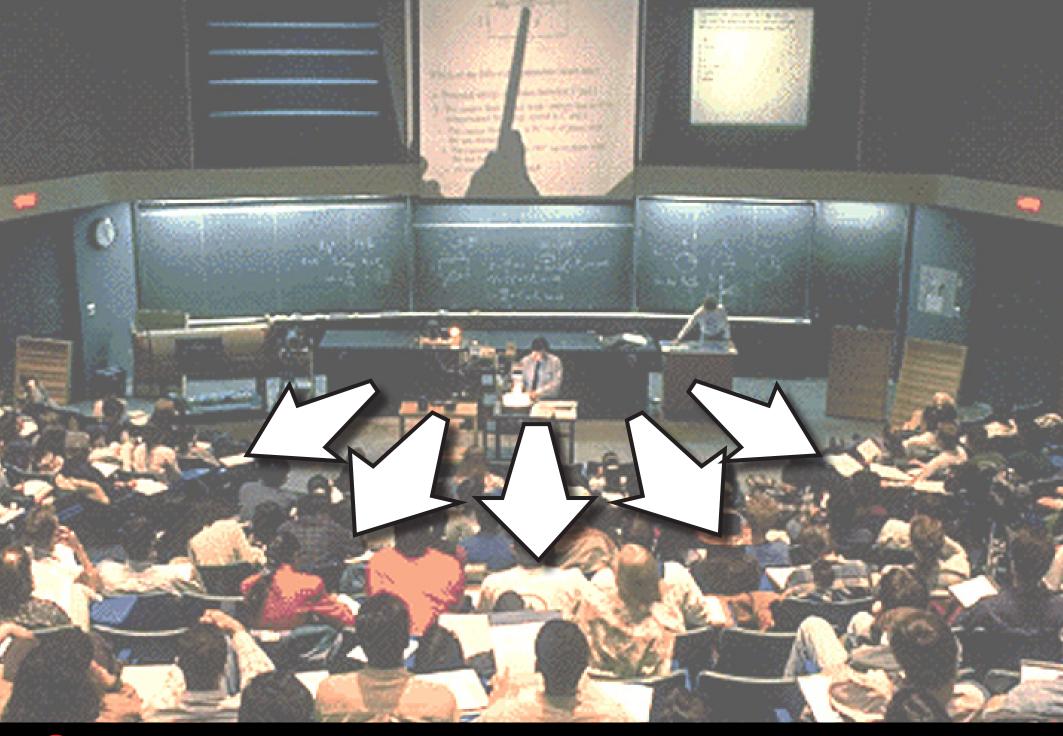


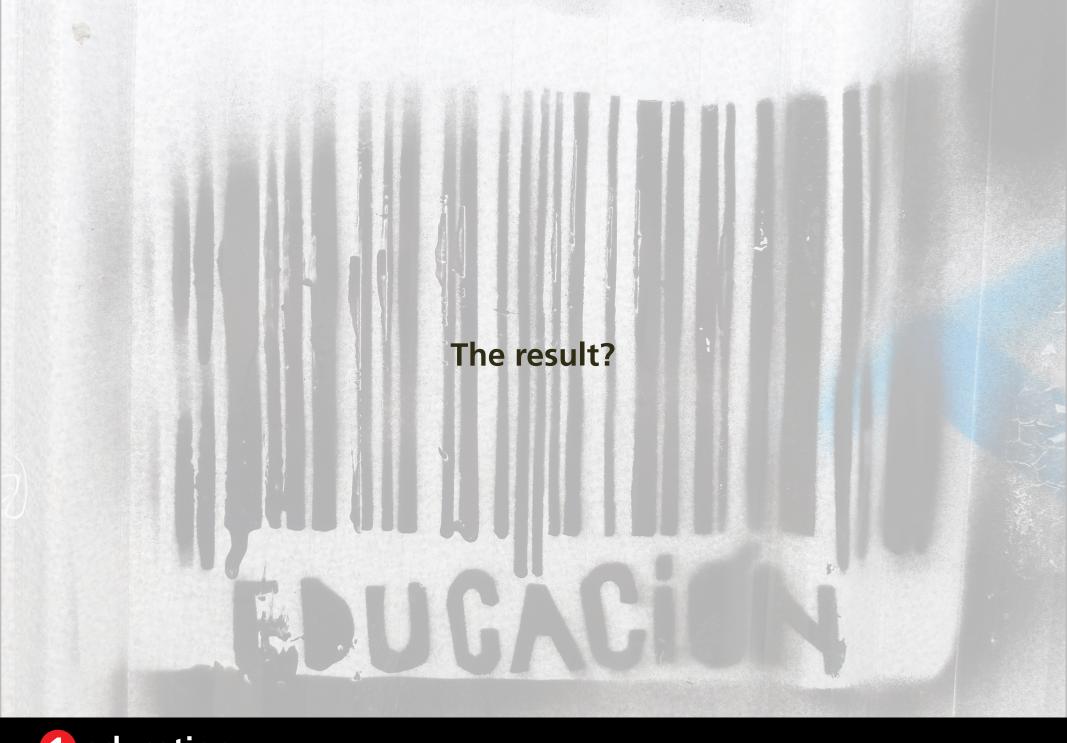


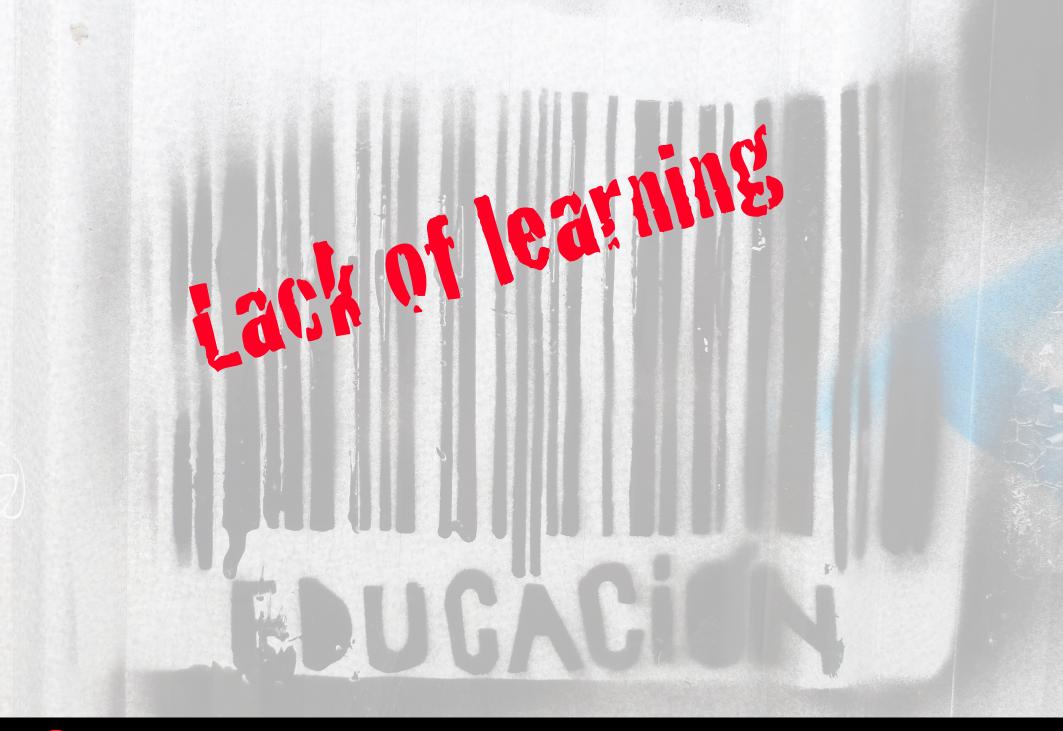




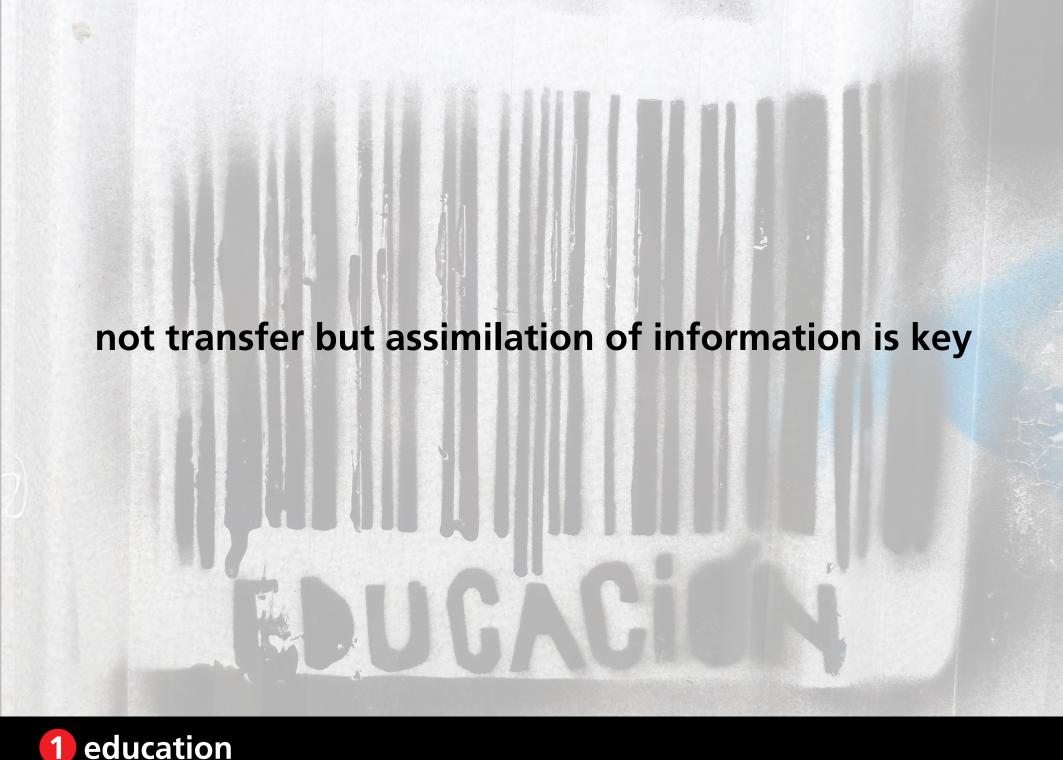




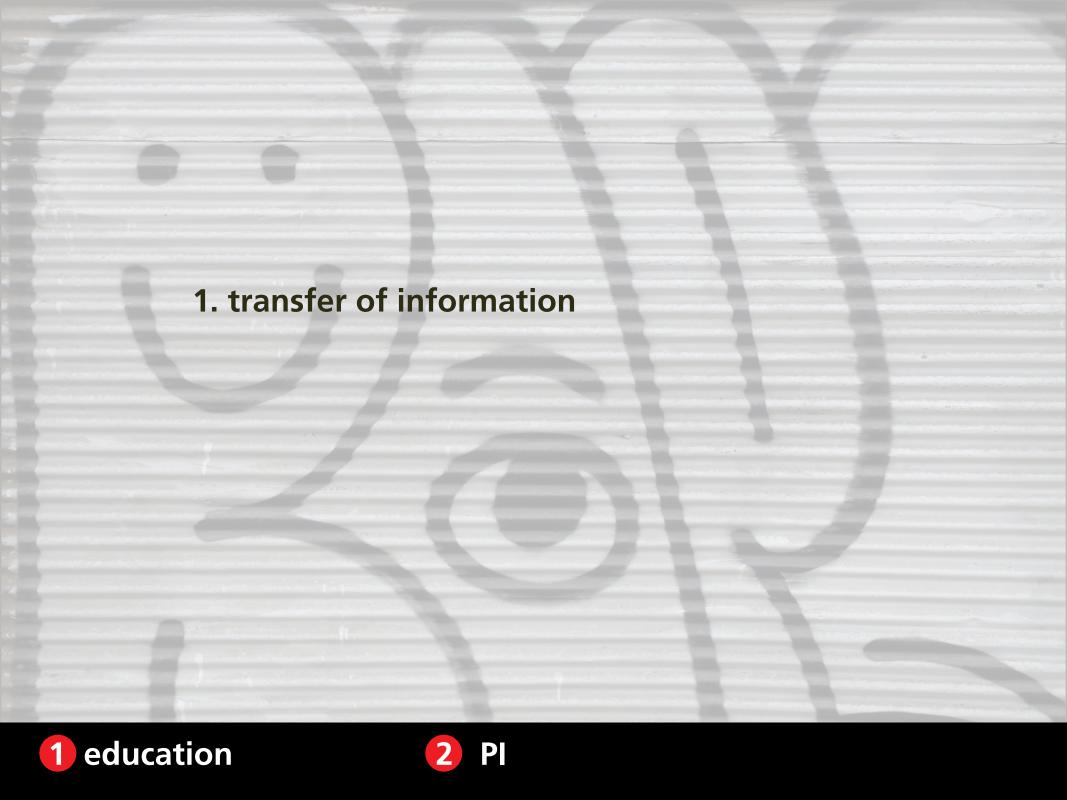












1. transfer of information

2. assimilation of that information

1. transfer of information (in class)

2. assimilation of that information

1. transfer of information (in class)

2. assimilation of that information (out of class)

Should focus on THIS!

1. transfer of information (i)

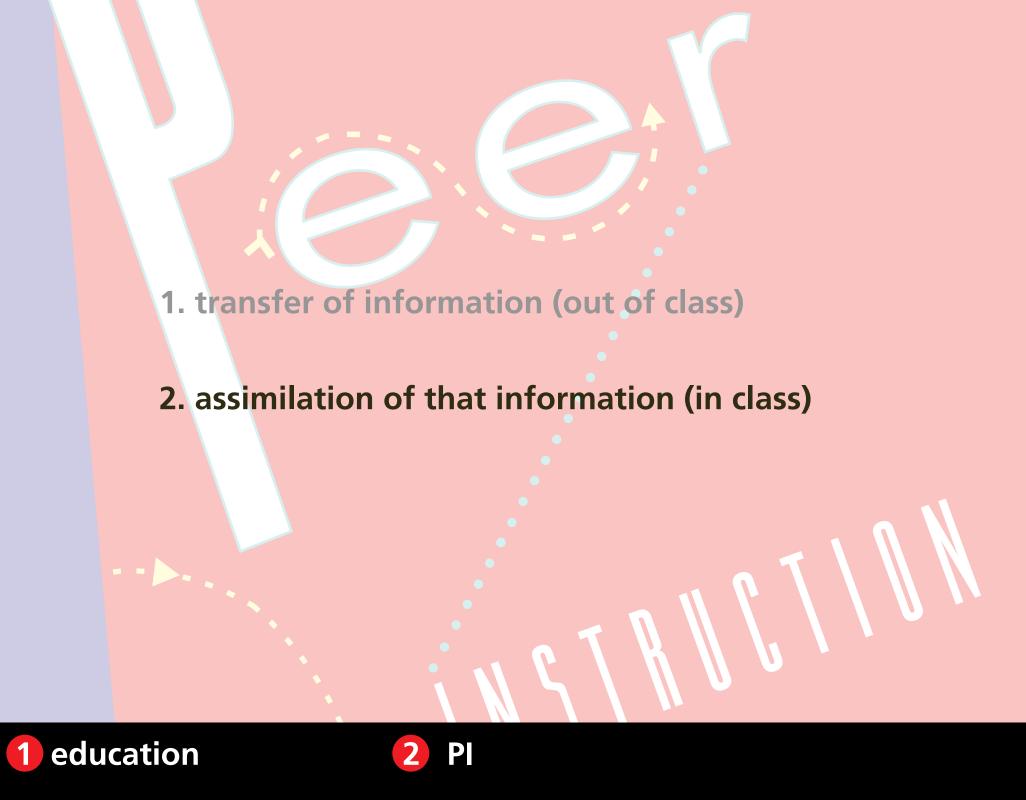
2. assimilation of that information (out of class)

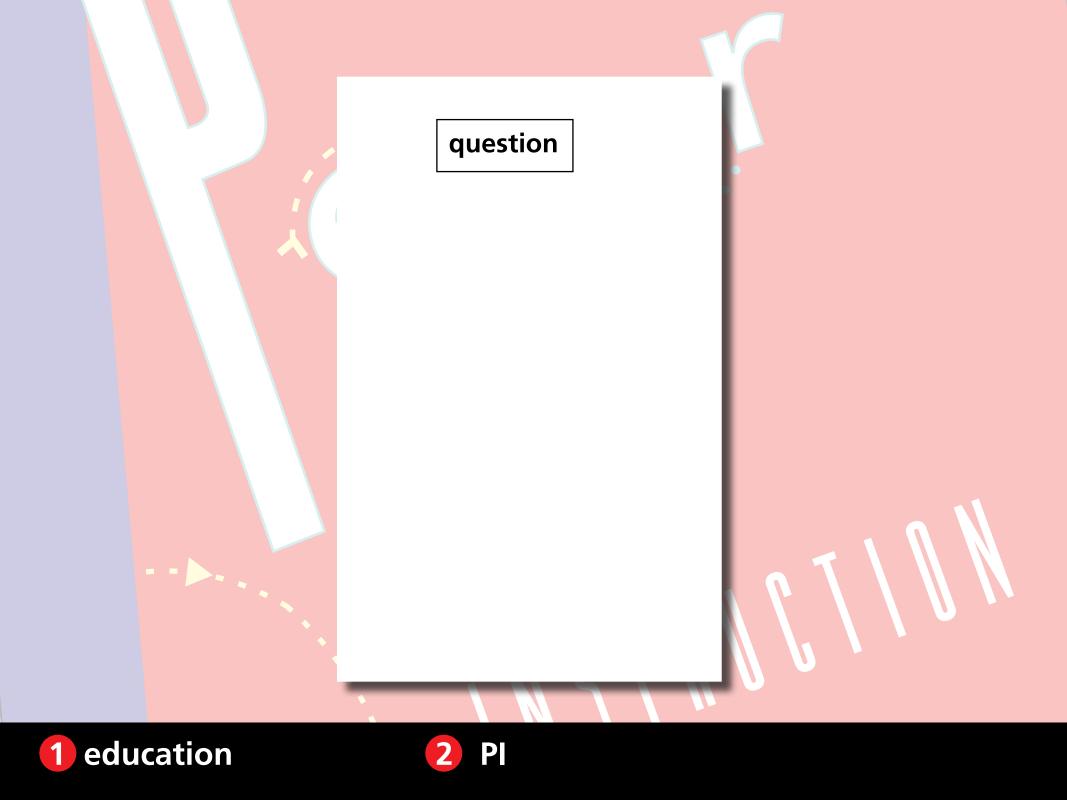
1. transfer of information (in class)

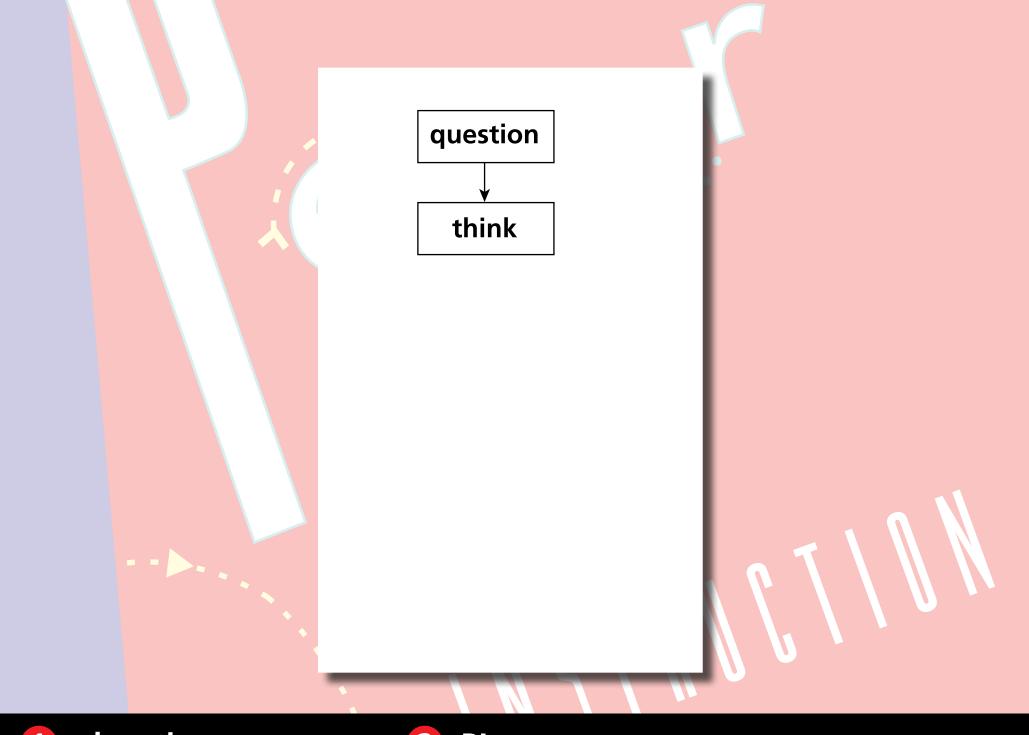
2. assimilation of that information (out of class)

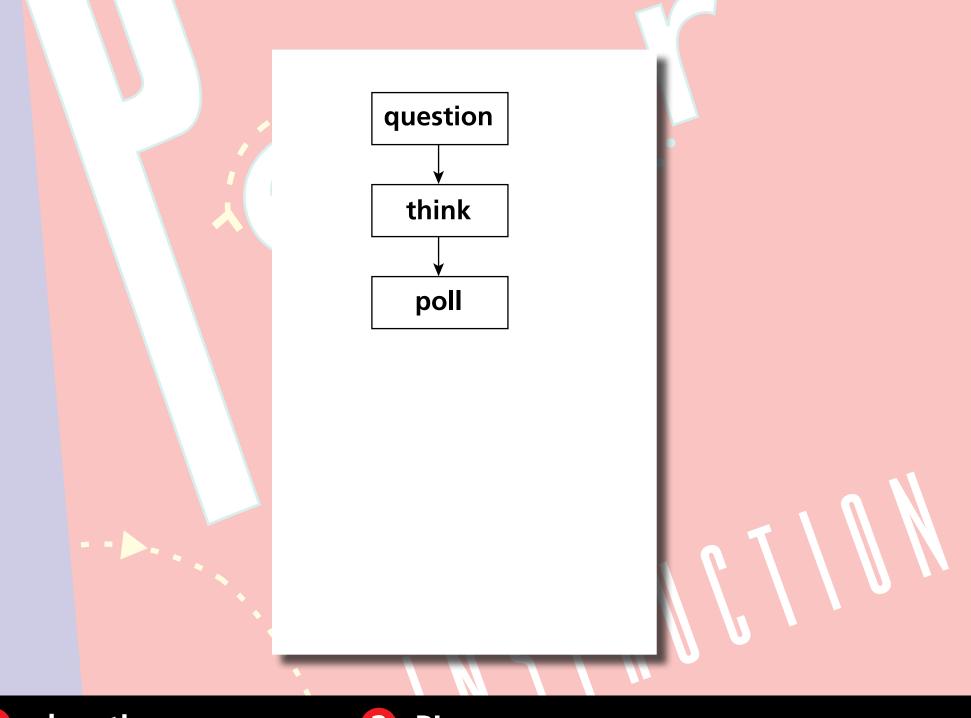
1. transfer of information (out of class)

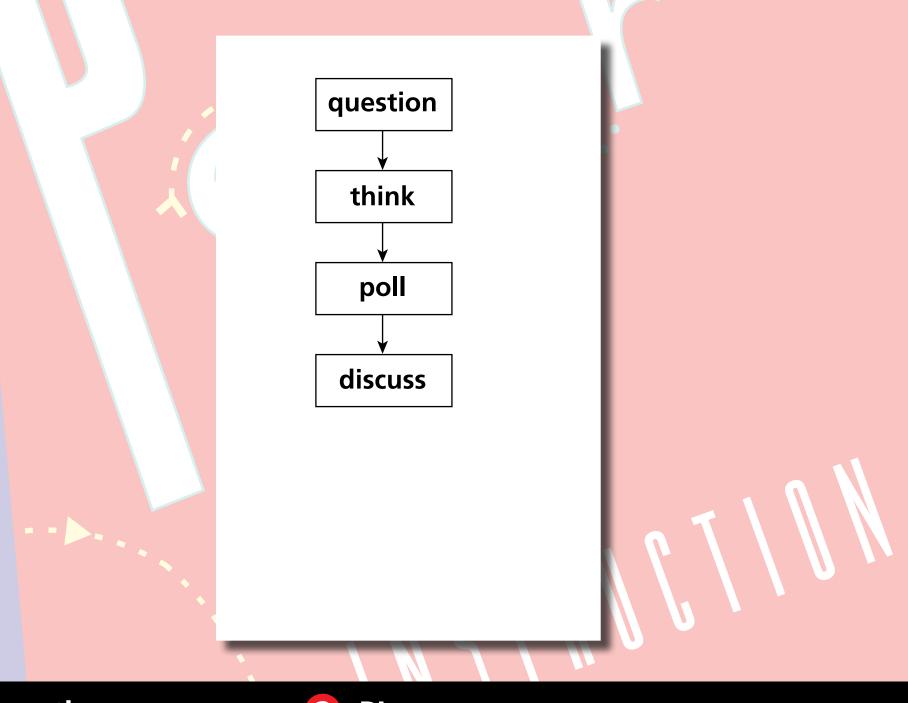
2. assimilation of that information (in class)

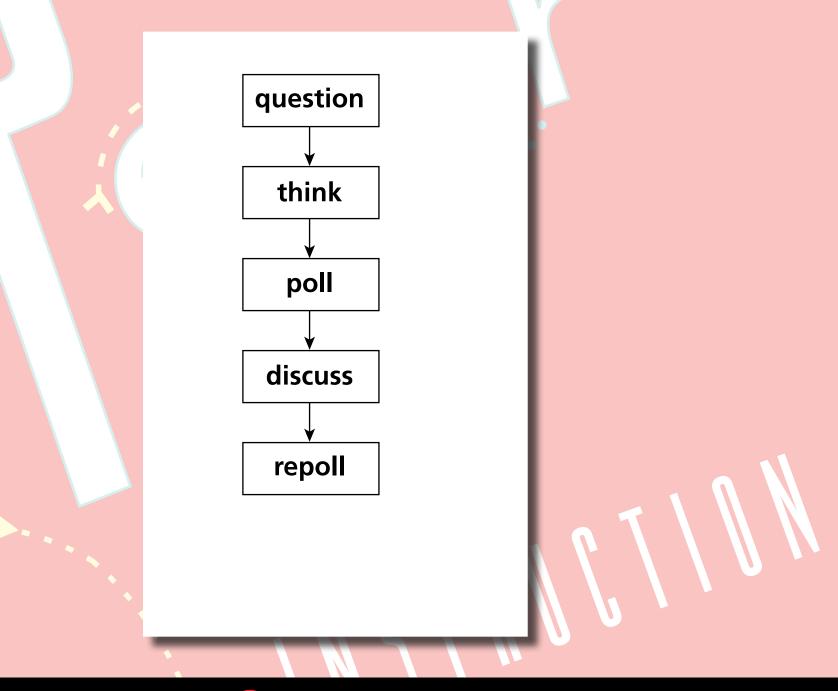


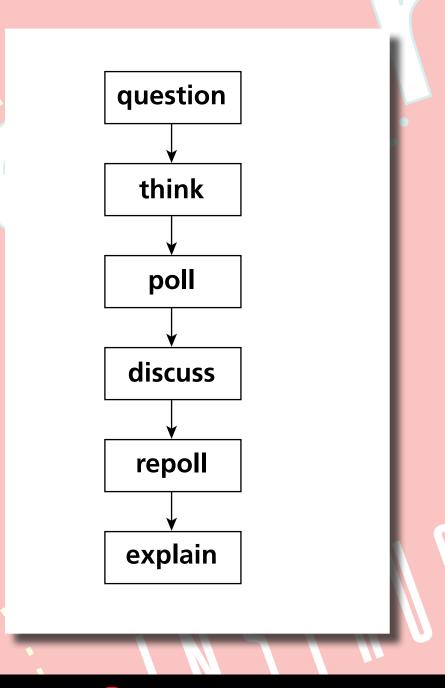


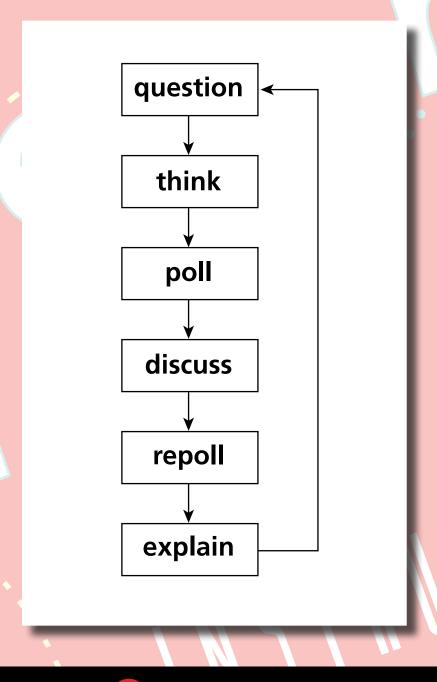


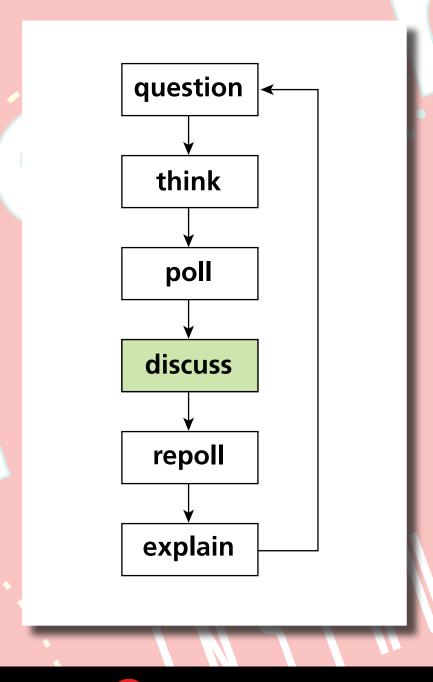


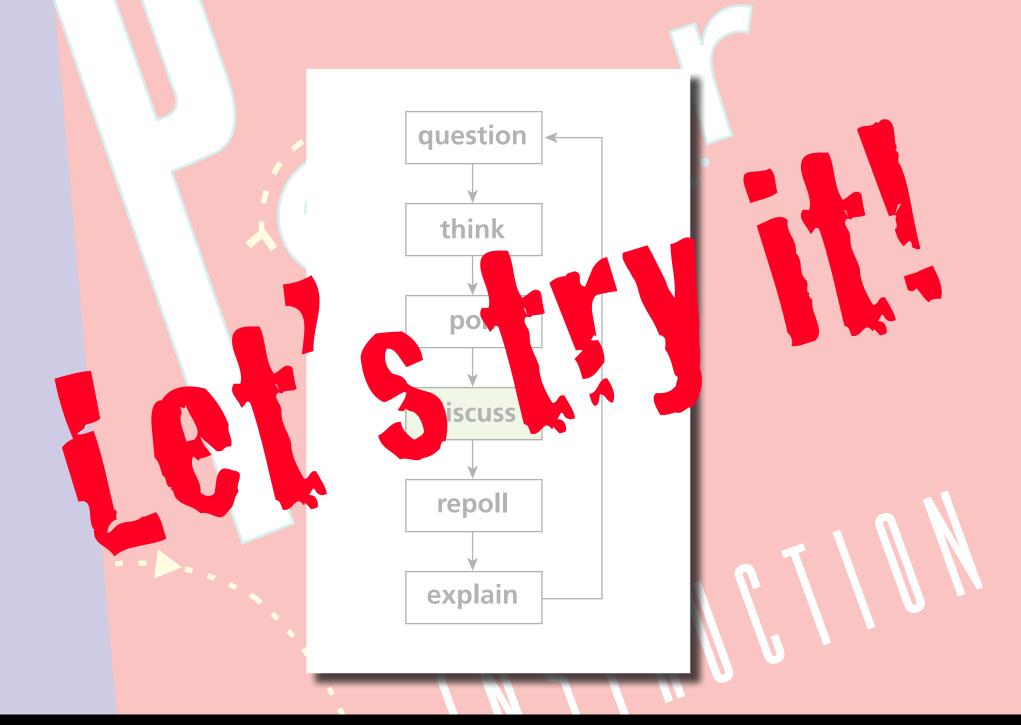




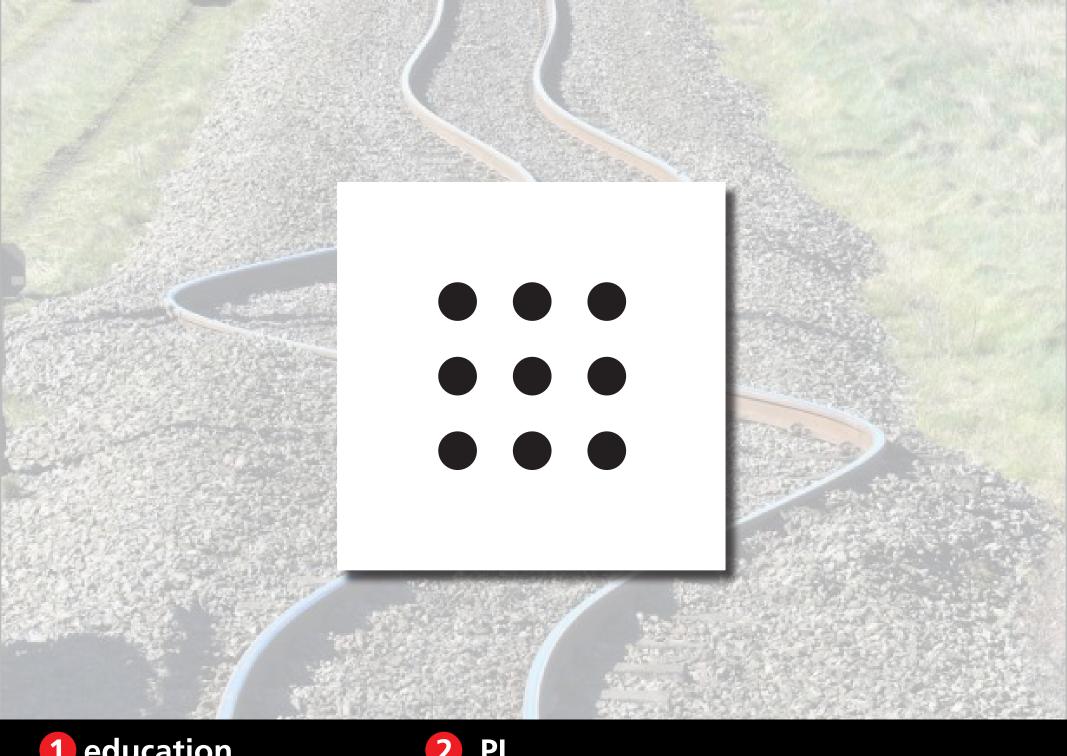


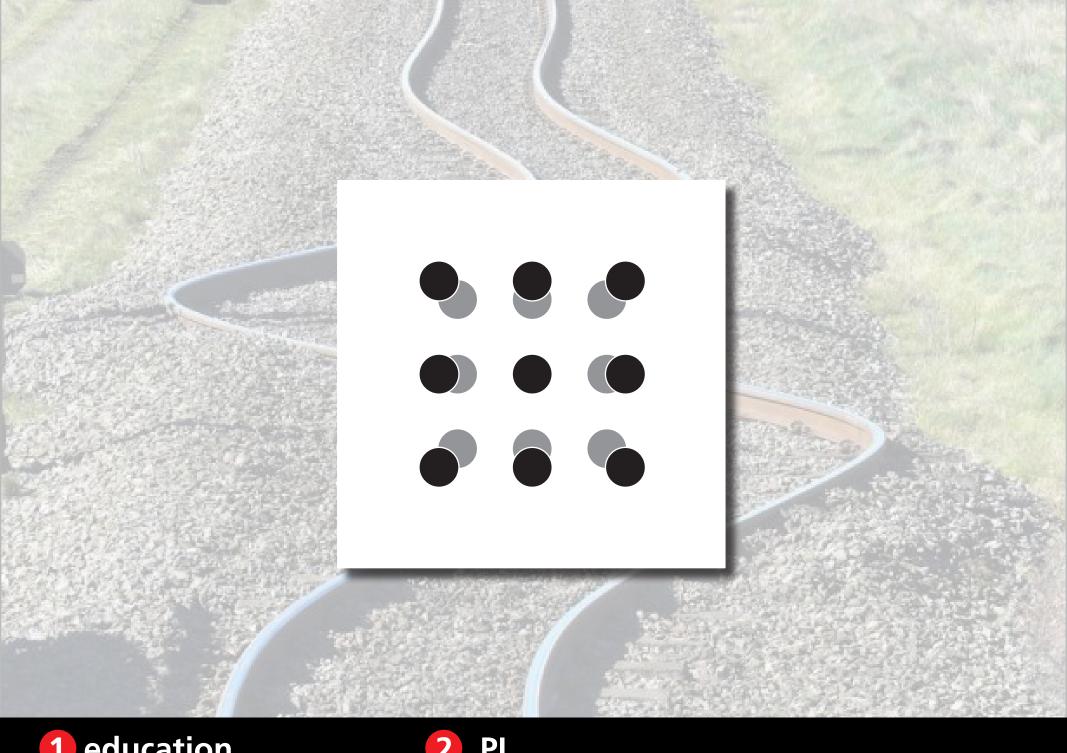




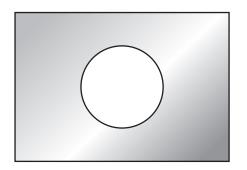






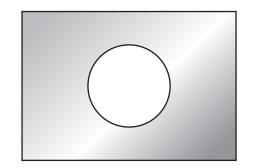






When the plate is uniformly heated, the diameter of the hole

- 1. increases.
- 2. stays the same.
- 3. decreases.



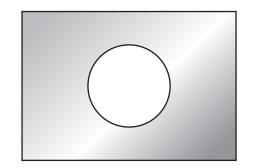
When the plate is uniformly heated, the diameter of the hole



- 1. increases
- 2 ctay the same
- Blace ses

When the plate is uniformly heated, the diameter of the hole

- 1. increases.
- 2. stays the same.
- 3. decreases.



Before I tell you the answer...

You...

1. made a commitment

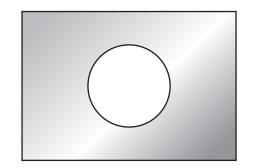
- 1. made a commitment
- 2. externalized your answer

- 1. made a commitment
- 2. externalized your answer
- 3. moved from the answer/fact to reasoning

- 1. made a commitment
- 2. externalized your answer
- 3. moved from the answer/fact to reasoning
- 4. became emotionally invested in the learning process

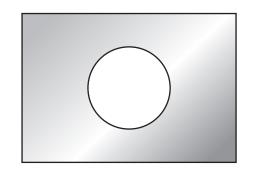
When the plate is uniformly heated, the diameter of the hole

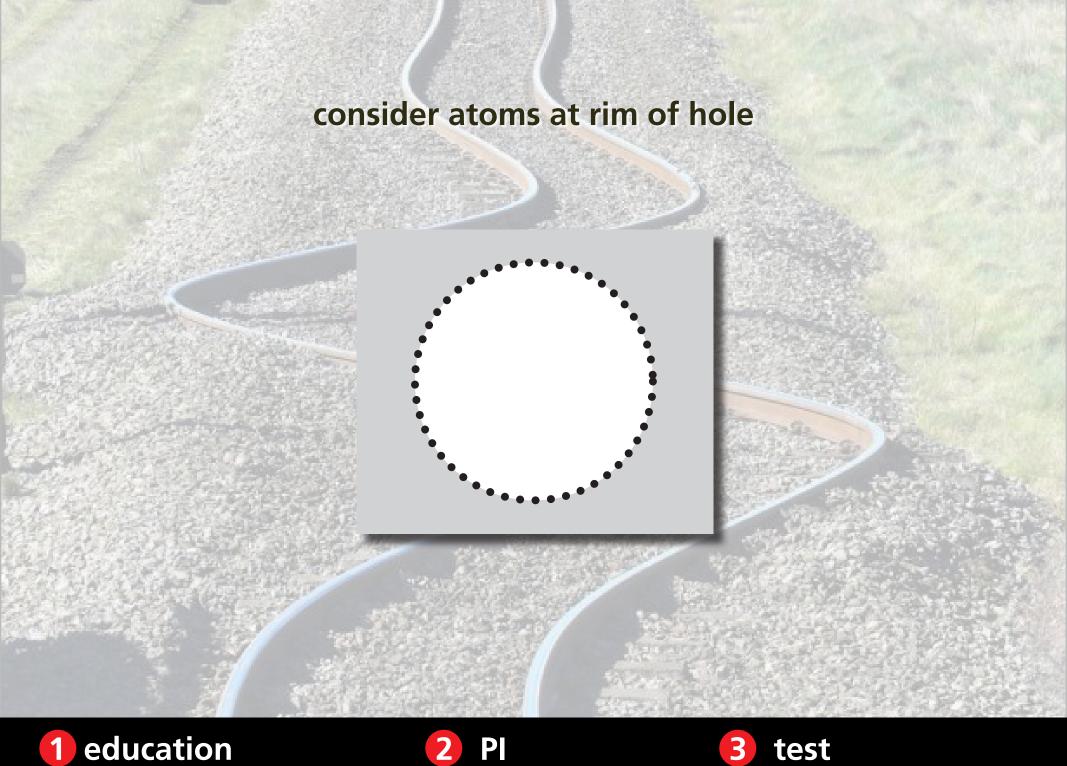
- 1. increases.
- 2. stays the same.
- 3. decreases.

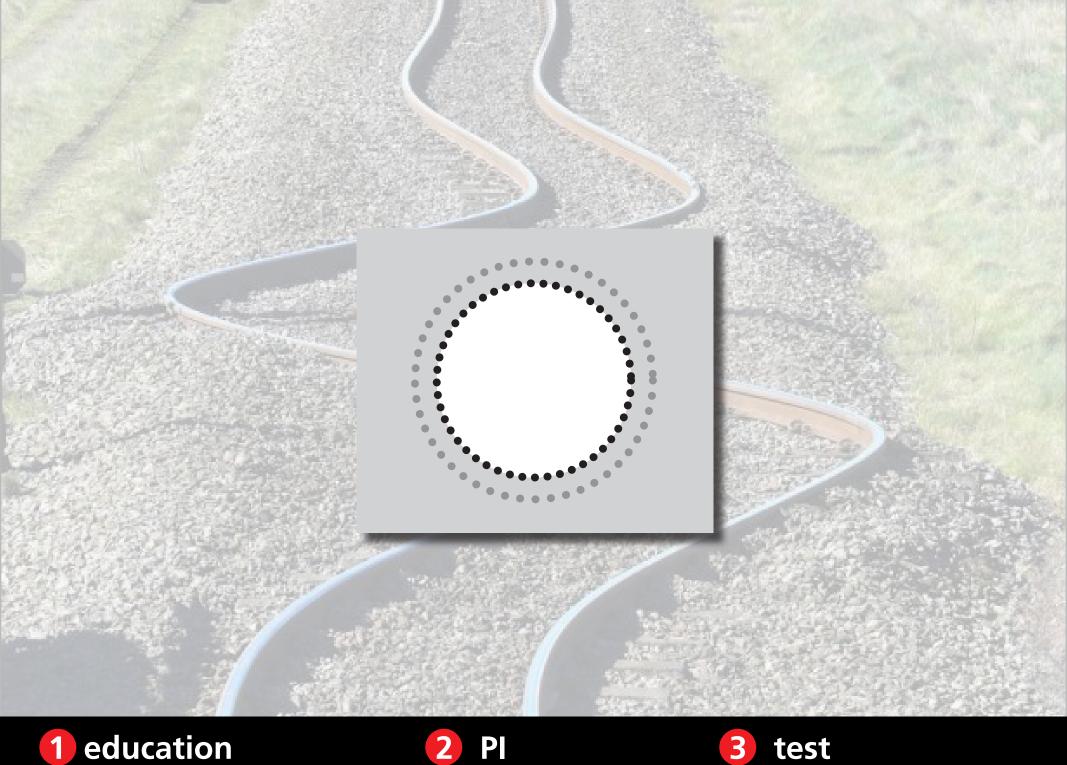


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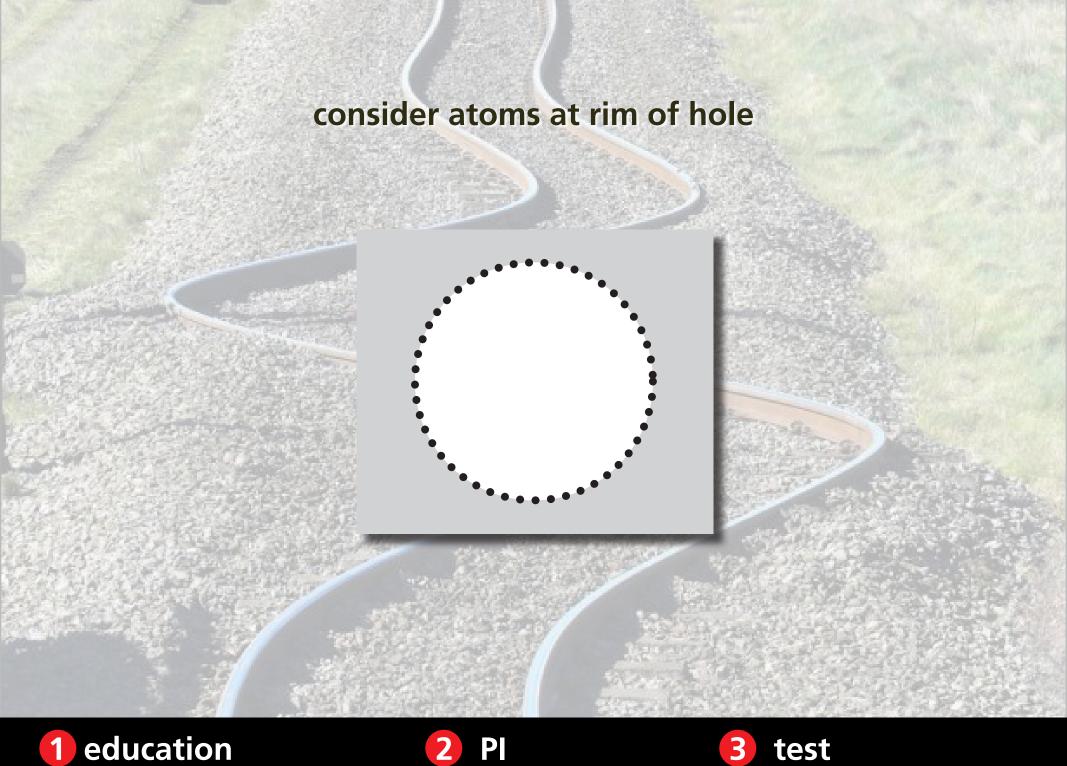
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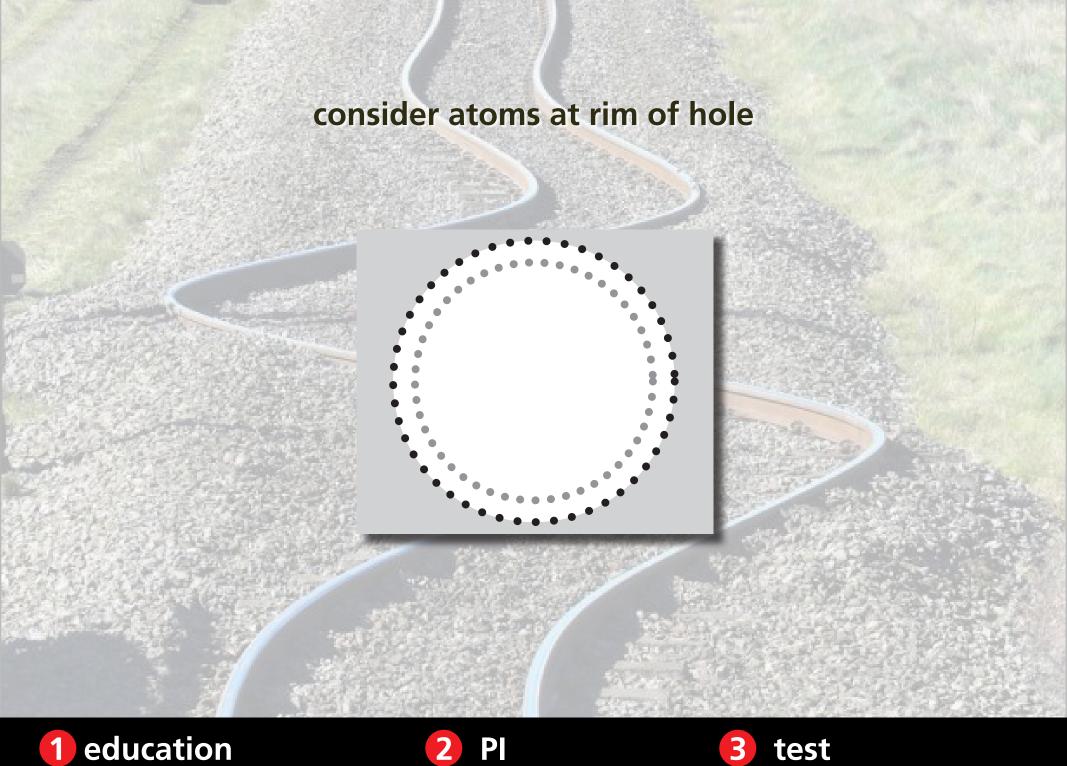






1 education





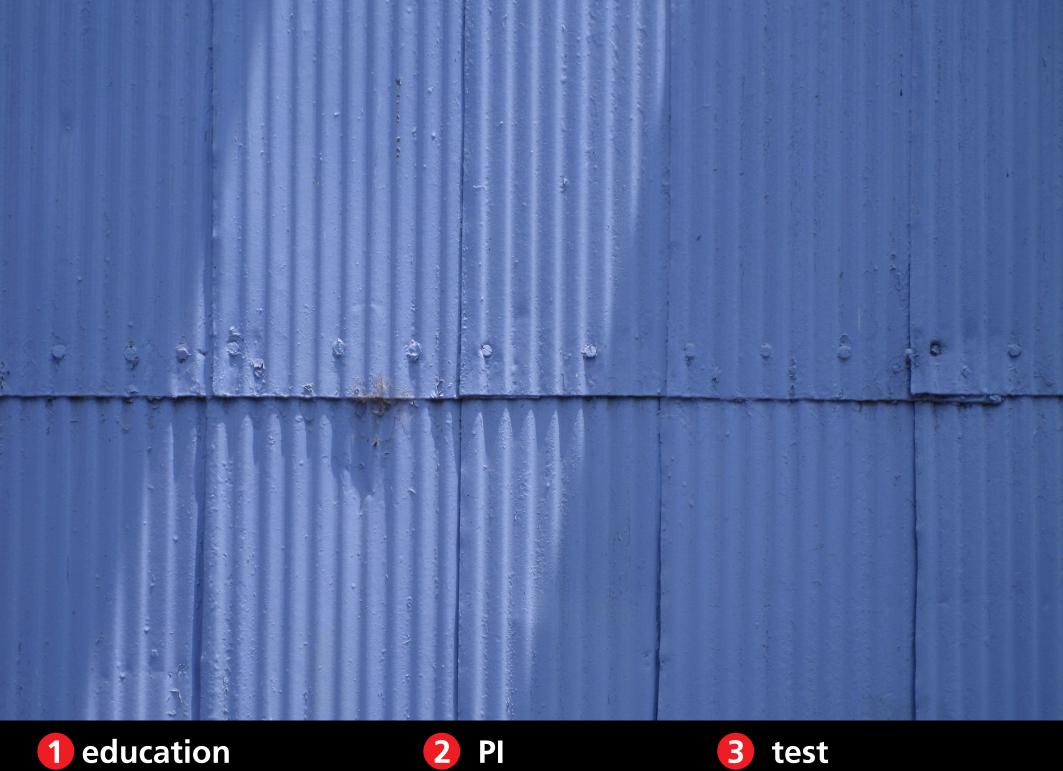




education





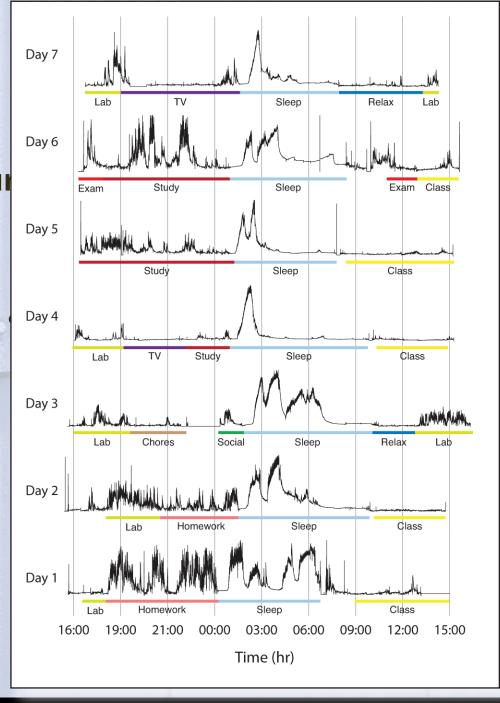


1 education

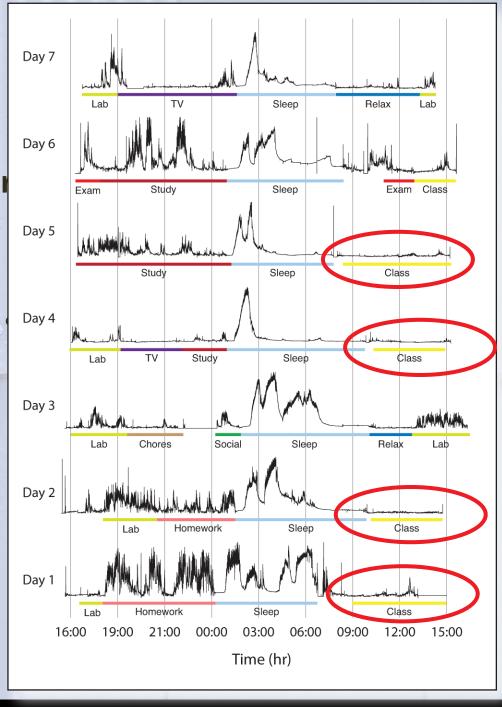
in a lecture, students... 1 education test in a lecture, students...

1. don't pay utmost attention

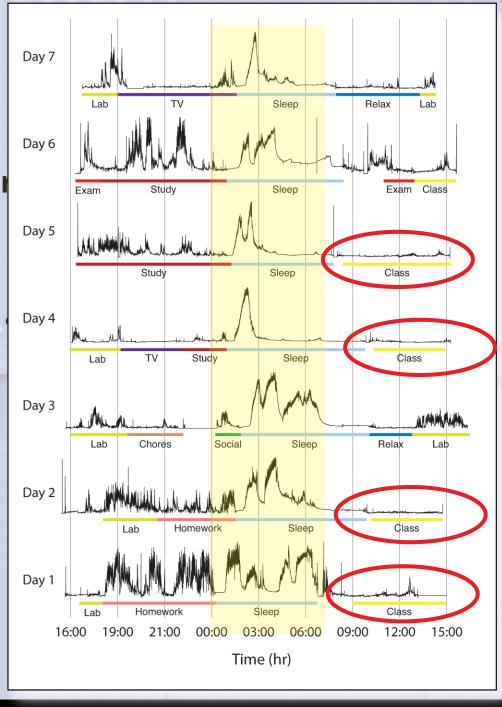
1. don't pay utmost



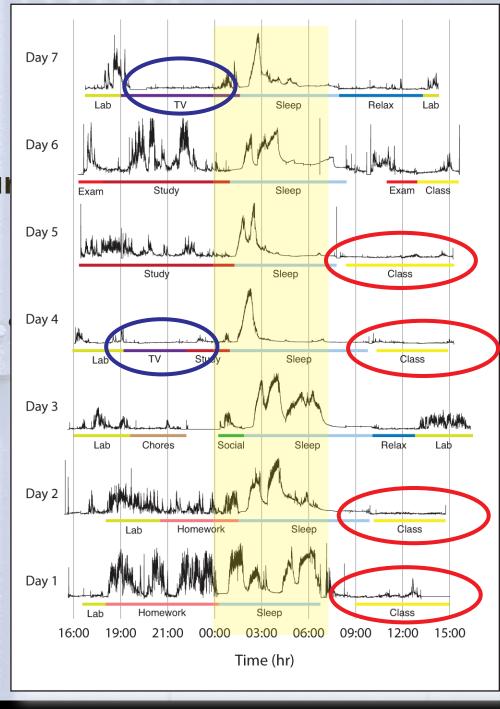
1. don't pay utmost



1. don't pay utmost



1. don't pay utmost



in a lecture, students...

1. don't pay utmost attention

2. think they know it



education



### 2 short video lectures on calico cats, same content

#### fluent video



speaks fluidly w/o notes upright maintains eye contact

doi: 10.3758/s13423-013-0442-z

#### 2 short video lectures on calico cats, same content

fluent video



speaks fluidly w/o notes upright maintains eye contact

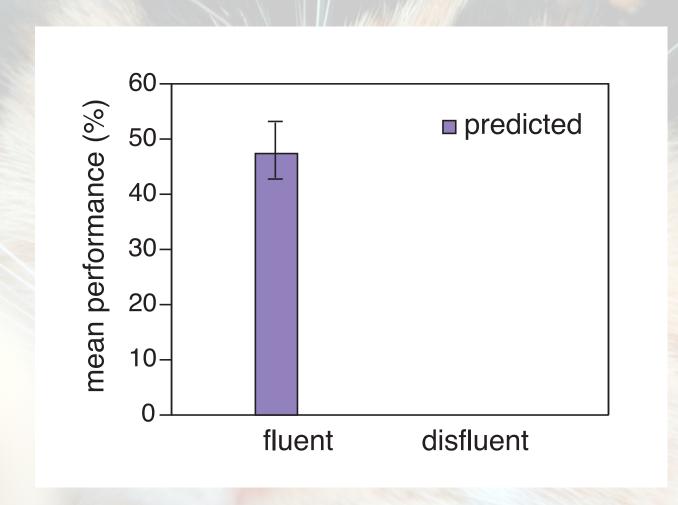
doi: 10.3758/s13423-013-0442-z

disfluent video



speaks haltingly from notes
slumped
looks away

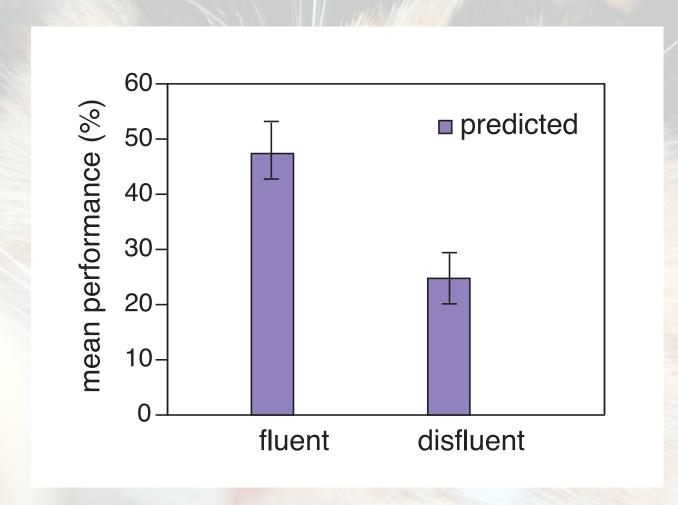
#### judgement of learning



doi: 10.3758/s13423-013-0442-z

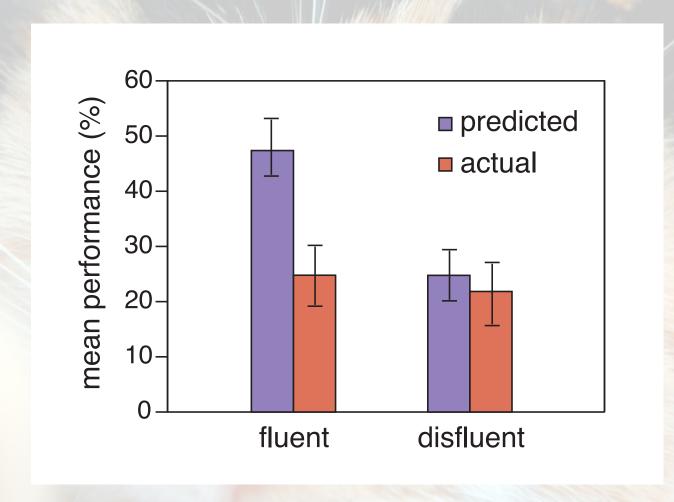
PI

#### judgement of learning



doi: 10.3758/s13423-013-0442-z

#### judgement of learning



doi: 10.3758/s13423-013-0442-z

PI

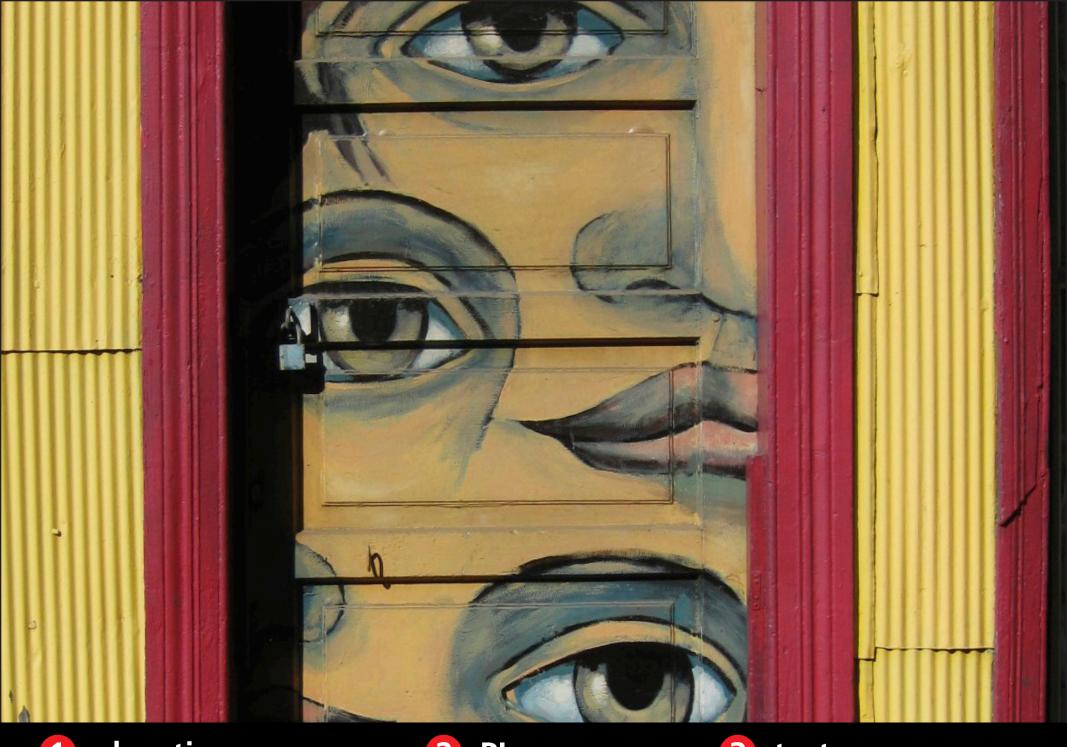
in a lecture, students...

- 1. don't pay utmost attention
- 2. think they know it
- 3. are not confronted with misconceptions

in a lecture, students...

- 1. don't pay uthost attention
- 2. think they know it

3 tre loc of onted with misconceptions



1 education

2 PI

3

test



**Education** is not just about:

- transferring information
- getting students to do what we do

**Education is not just about:** 

transferring information

getting students to do what we do

active participation a must!

Join now!

### Peerlnstruction.net



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