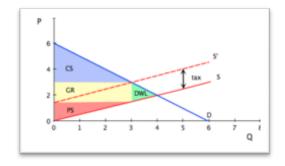


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## Ethan Solomon esolomon@mit.edu

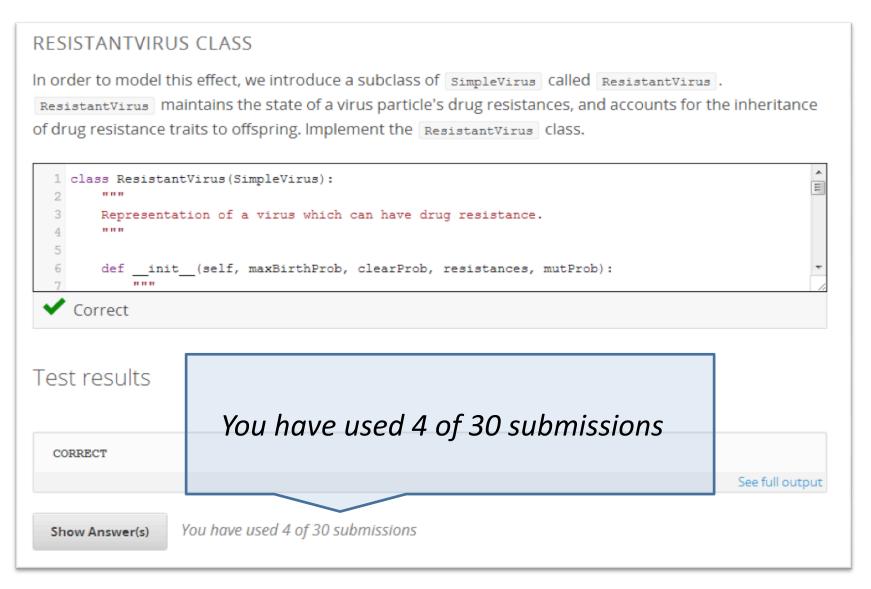
self.conditions = conditions =

COMPUTER SCIENCE & PROGRAMMING | MITX

### What do MOOCs do well?



## Lesson 1: try, try again (then try some more)





# Lesson 2: little green checkmarks can be surprisingly addicting

```
from ps8b_precompiled_27 import *
```

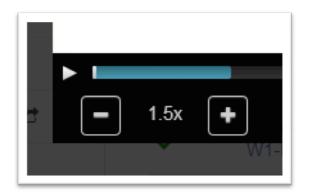
**✓** Correct

### Lesson 3: streamlined is better

MOOCs are more efficient information delivery systems

~	W1-L3.3 - Demo of lpython and git init (8:11)	==
~	W1-L3.4 - Developing script (9:33)	==
~	W1-L3.5 - Converting to a module/function (11:33)	==
~	W1-L3.6 - Git checkout (3:44)	==
~	W1-L3.7 - Adding docstrings (4:28)	==
>	Week 2 - Lecture 4: Continued demo of Python and git	
>	Week 2 - Lecture 5: Python language features	
~	Week 2 - Lecture 6: NumPy and timing Python code	
~	W2-L6.1 - NumPy array class for vectors and matrices (9:22)	□≡≡
~		
•	W2-L6.2 - NumPy matrix class (4:11)	
~	W2-L6.2 - NumPy matrix class (4:11)  W2-L6.3 - Rank of an array (2:40)	
<b>~</b>	W2-L6.3 - Rank of an array (2:40)	
<b>*</b>	W2-L6.3 - Rank of an array (2:40) W2-L6.4 - Linear algebra with NumPy (3:31)	
<b>* * *</b>	W2-L6.3 - Rank of an array (2:40)  W2-L6.4 - Linear algebra with NumPy (3:31)  W2-L6.5 - Numerical integration with NumPy (3:07)	

## Lesson 4: go at your own pace (sort of)



# Where is there room for improvement?



### Feedback is deprived

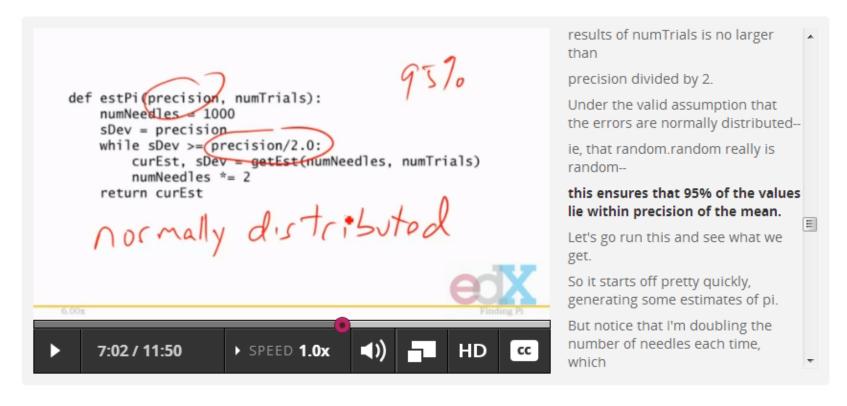
with autograders, feedback is mostly right-or-wrong.

omission	
Submission time	Sun-30-Sep 22:59:19
Raw Score	30.00 / 30.00
Feedback	Nice work!

### Little creativity in lectures

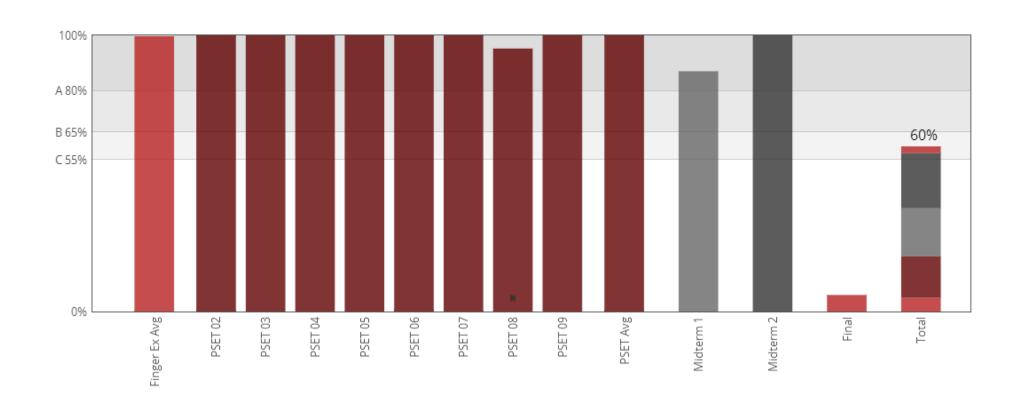
in-video questions are nice, but little else is different from brick-and-mortar lectures

#### ESTIMATING PL



### Course organization

some course teams may initially struggle to meet the demands of a large audience or their own self-imposed deadlines.



### 21st century learning

20<sup>th</sup> century campus

