

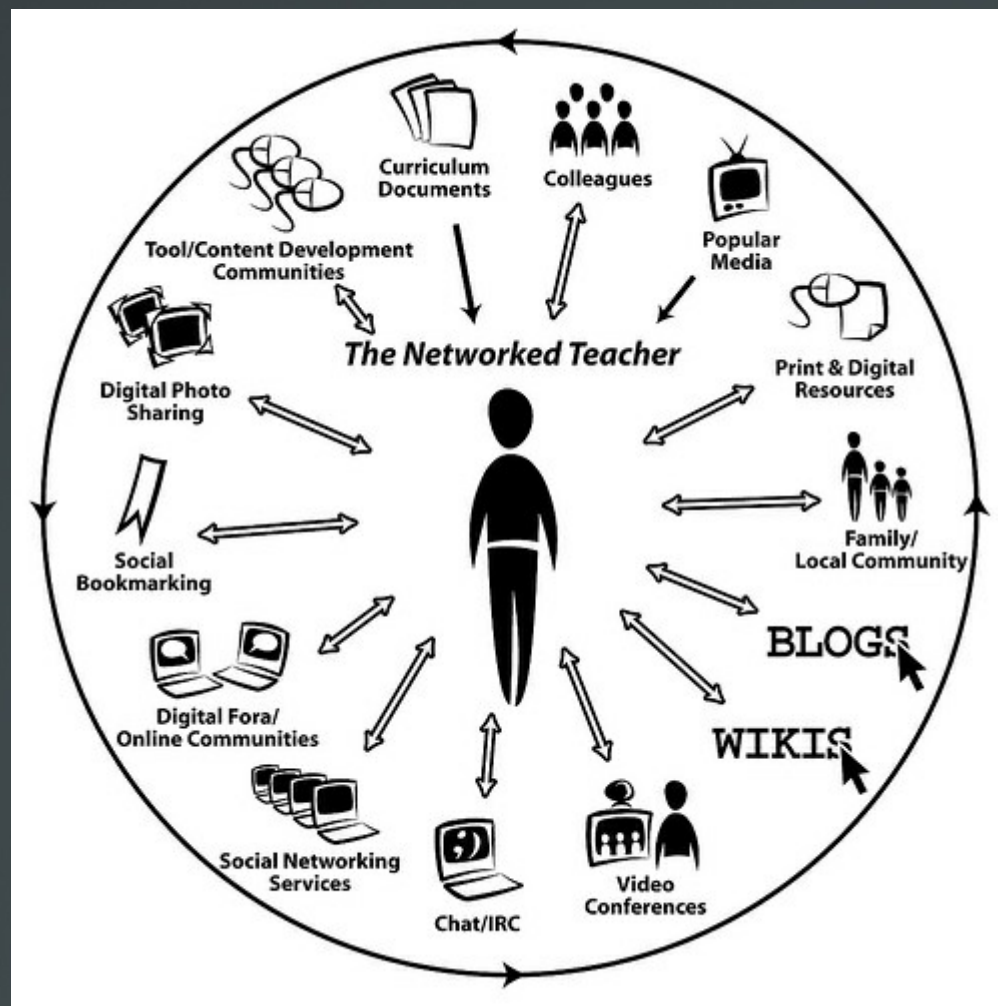
Possíveis críticas ao uso de AVAs

1. São (só) usados para apoiar modelos **tradicionais** de ensino. Estudiosos da educação: usar pedagogias inovadores, usar teorias de aprendizagem modernas, aprendizagem ativa e colaborativa → Mídia social, ambientes pessoais de aprendizagem e outras ideias inovadores.

2. São usados (só) contextos escolares tradicionais. Organização do ensino formal: cursos de 4 anos, classes de 20-200 alunos, credenciamento por universidades. Porque não usar a internet para "desintermediar" estudantes e instituições formais? → MOOCs

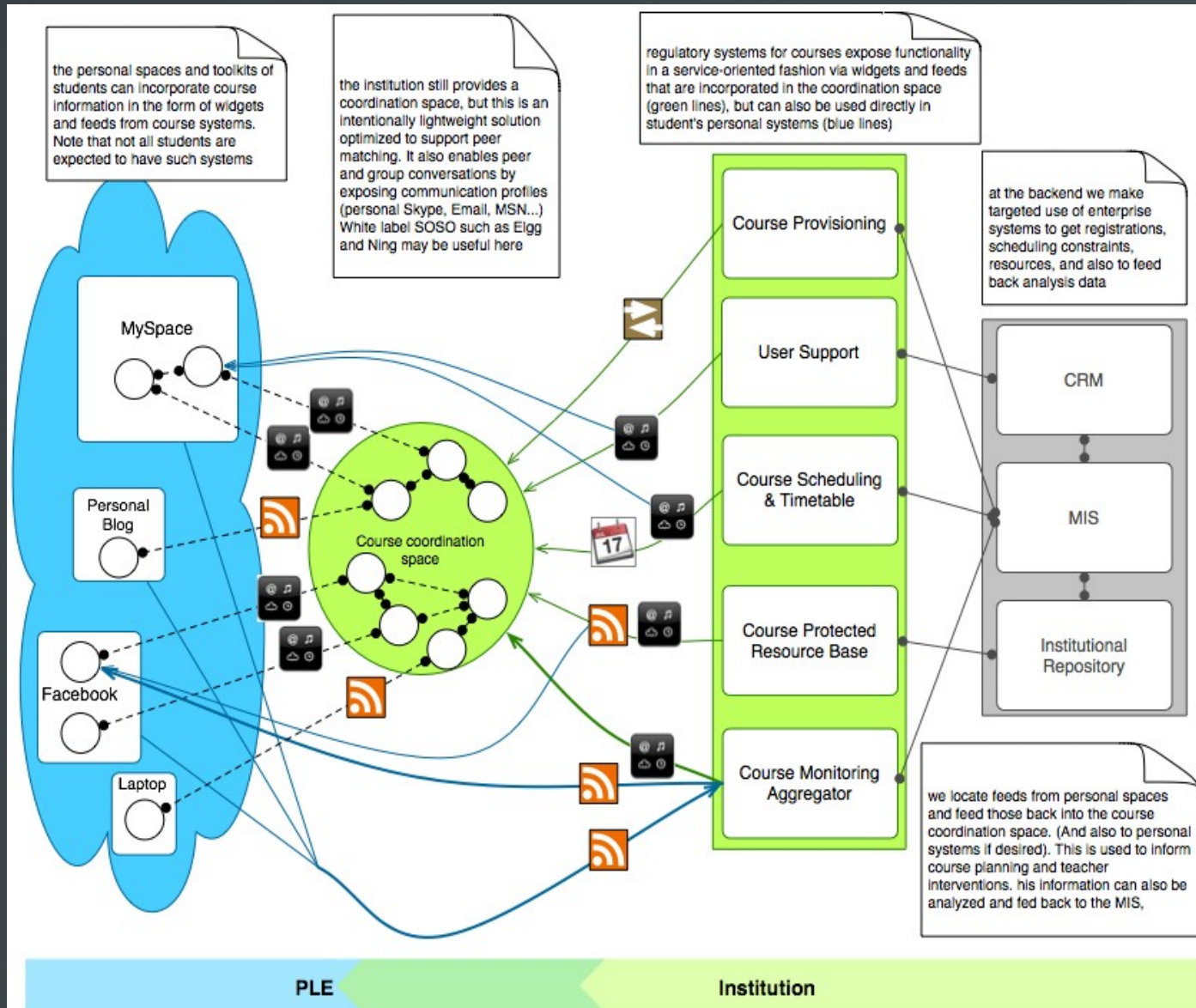


O professor em Rede

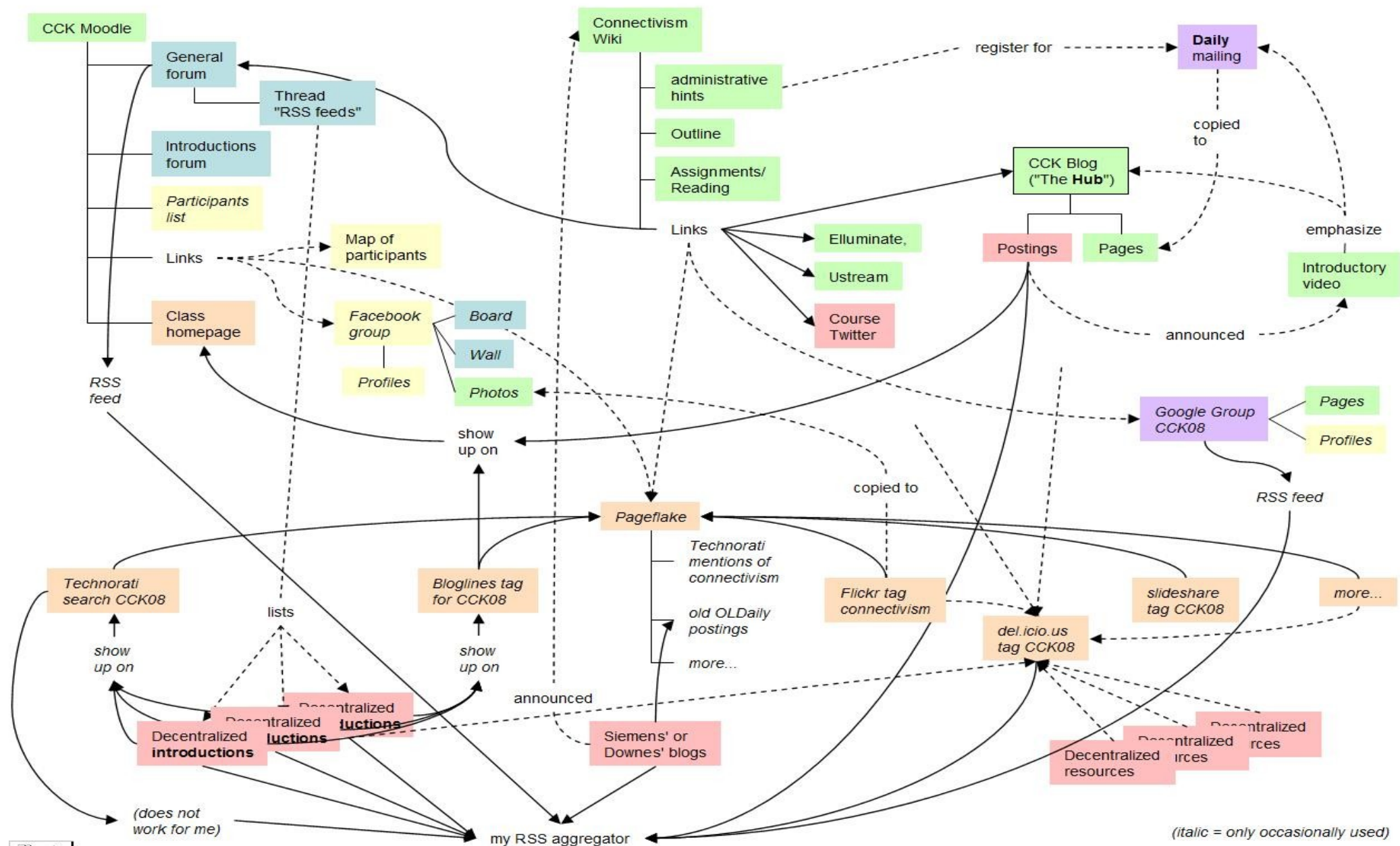


Ambiente *Pessoal* de Aprendizagem

Integrar "Mídia Social" com serviços institucionais

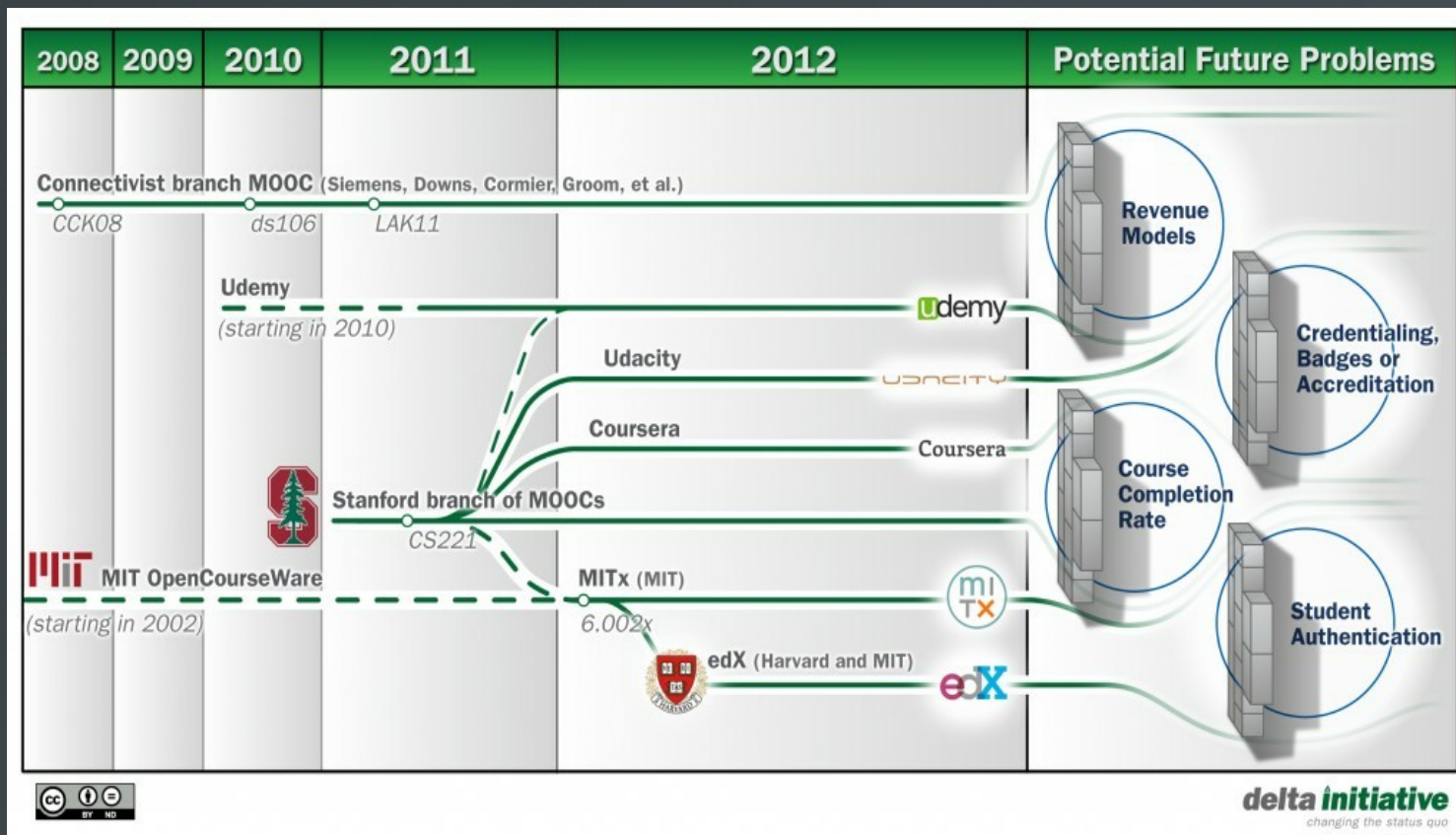


Exemplo de um Curso Online Distribuido



Segundo desafio a AVAs: MOOCs

Massive Open Online Courses: disciplinas, online, de professores de universidades de prestígio dos EUA



Segundo desafio a AVAs: MOOCs (Massive Open Online Course) Ex. Coursera

<https://www.coursera.org/>

<https://class.coursera.org/qcomp-2012-001/lecture/3>

COURSES

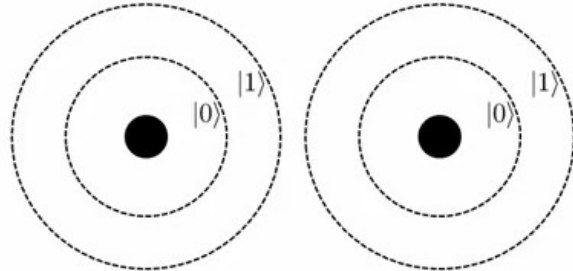
University of California, Berkeley
Quantum Mechanics and Quantum Computation

Home
Video Lectures
Course Notes
Assignments
Optional Assignments
Discussion Forums
Course Information
Course Staff
Final Exam
Join a Meetup
Course Wiki

Video Lectures

- Lecture 1: Welcome
- Lecture 2: Overview
- Lecture 3: Double-slit experiment
- Lecture 4: Double-slit experiment
- Lecture 5: Double-slit experiment
- Lecture 6: Double-slit experiment
- Lecture 7: Double-slit experiment
- Lecture 8: Double-slit experiment
- Lecture 9: Double-slit experiment
- Lecture 10: Double-slit experiment
- Lecture 11: Double-slit experiment
- Lecture 12: Double-slit experiment
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- Lecture 97: Double-slit experiment
- Lecture 98: Double-slit experiment
- Lecture 99: Double-slit experiment
- Lecture 100: Double-slit experiment

Two Qubits



- Classically represent two bits of info:
 - 00, 01, 10, 11.
- Quantum state is a superposition over all four classical possibilities:

00:53 | 06:57

« Previous Press H for keyboard shortcuts Two qubits [7 mins] Speed: 1.00x + Next »

Taking stock [11 mins]

Udacity

<http://www.udacity.com/view#Course/st101/CourseRev/1/Unit/184001/Nugget/202001>

UDACITY ST101

My Classes ▾ Welcome, ewout ▾

Overview **Classroom** Discussion Wiki Announcements Progress

Two Flips 1

{HEADS, HEADS}

$$P(H,H) = 1$$

Like 1 Tweet 0 +1 1

+ Problem Set 1: Visualization

- 8. Probability

1. Probability
- 2. Flipping Coins - Question - Answer
3. Fair Coin - Question - Answer
4. Loaded Coin 1 - Question - Answer
5. Loaded Coin 2 - Question - Answer
6. Loaded Coin 3 - Question - Answer
7. Complementary Outcomes
- 8. Two Flips 1 - Question - Answer
9. Two Flips 2 - Question - Answer
10. Two Flips 3 - Question - Answer
11. Two Flips 4 - Question - Answer

0:11 / 0:22

3D

< Previous

Next >

Auto-Next: ON

Instructor Comments

Supplementary Material

EdX (MIT/Harvard)

<https://www.edx.org/>

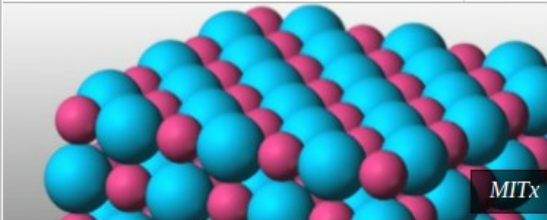
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3.091x Introduction to Solid State Chemistry



MITx

CS50x Introduction to Computer Science I



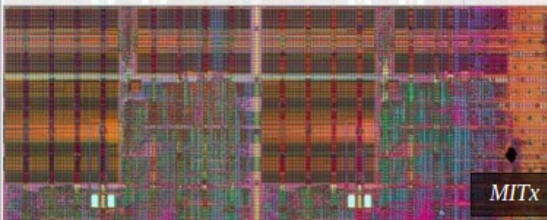
HarvardX

CS169.1x Software as a Service



BerkeleyX

6.002x Circuits and Electronics



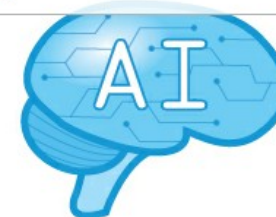
MITx

PH207x Health in Numbers: Quantitative Methods in Clinical & Public Health Research



HarvardX

CS188.1x Introduction to Artificial Intelligence



BerkeleyX

O que significa???

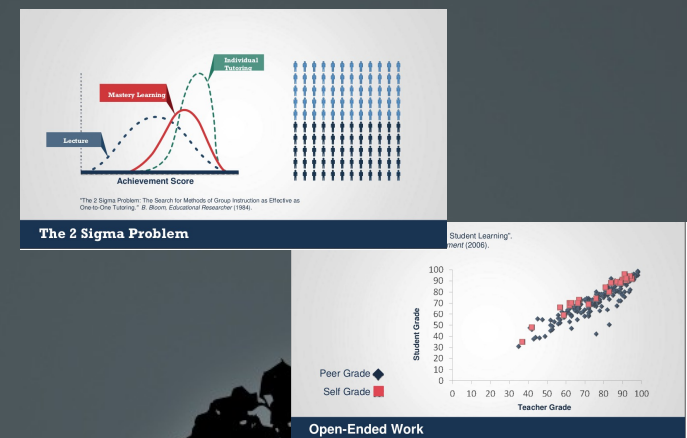
1. São as instituições de ensino superior tradicionais buscando manter relevância num mundo de conteúdo abundante.
Comparar com editoras de material didático.
2. É o antigo pesadelo de massificar e privatizar a educação ou uma nova era de personalização e abertura?



Atividade da Semana: criar conta no Coursera e fazer uma avaliação crítica

Sugestão de tópicos para debate

- Moocs realmente fazem uma diferença na acessibilidade ao ensino superior?
- Discutir a pedagogia / metodologia de ensino
- O que acha do potencial de algoritmos ajudar processos de aprendizagem?
- O que existe na literatura sobre uso e eficácia de video-aulas?
- O que acha dos métodos de avaliação (testes, ensaios com "peer grading")



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