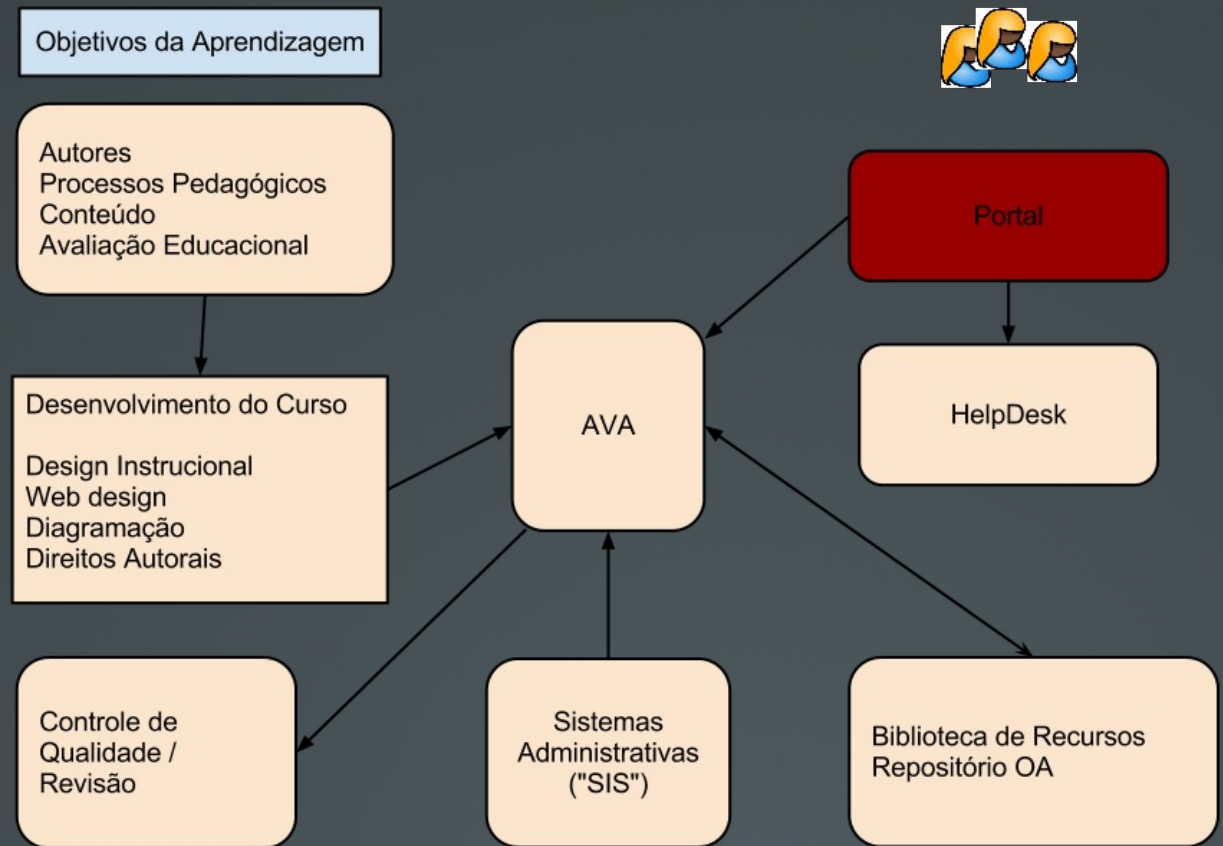


(aula passada)

Sistemas de aprendizagem online

O AVA é **um** dos componentes de uma sistema de aprendizagem virtual

ANDERSON, T. The theory and practice of online learning. 2nd ed. ed. Edmonton: AU Press, 2008.



(Aula passada)

Comparar AVAs: Funcionalidades Básicas

- Ferramentas de **disseminação** de conteúdo:
 -
- Ferramentas de **comunicação**: fórum, chat, mensagens internas (substituem ou integram com email?)
 -
- Ferramentas de **colaboração**: wiki, whiteboard (quadro branco compartilhado)
 -
- Formação de **grupos**: contatos, grupos de trabalho, etc.
 -
- Ferramentas de **avaliação** (testes, provas, etc.)
 -



AVAs: Administração

Modelo de camadas:

Técnico

Pessoas que cuidam da instalação e manutenção do sistema e do AVA, customização da aparência visual do AVA e gestão de usuários e que resolvem problemas das pessoas da camada 2.

Conteúdo

Gestão de conteúdo. Colocar conteúdo no AVA e estruturar o ambiente. Preparar o AVA para receber os alunos. Transformar material em formatos tradicionais como Microsoft Word, PowerPoints, videos, imagens, etc. etc. para formatos adequados para a Web, criam "atividades" para os alunos usando as ferramentas disponíveis no AVA e interagem com as pessoas da camada 3

Gestão Pedagógico

Pessoas responsáveis pelo material didático e processos pedagógicos. Tutores / monitores / educadores / professores que acompanhem os alunos no AVA, corrigem tarefas, dão feedback, etc.



Onde Hospedar?

Serviço hospedado por terceiros versus auto-hospedado

Terceiros

Auto-hospedado

Uma conta mensal paga tudo

Pagar conta de luz

Backup e atualizações problema de outros

Cuidar da conectividade com internet (RNP?)

Atendimento e suporte

Atualizações / Backup

A empresa é sustentável?

Autonomia / Controle

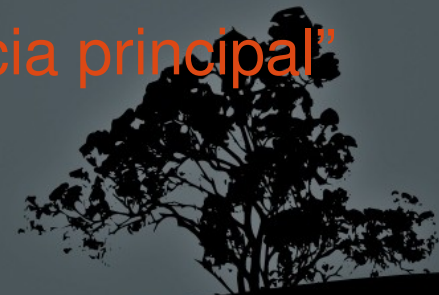
Diluição da sua marca

Personalização

Acesso restrito a dados estratégicos

Acesso aos logs

Não terceirizar a sua "competência principal"



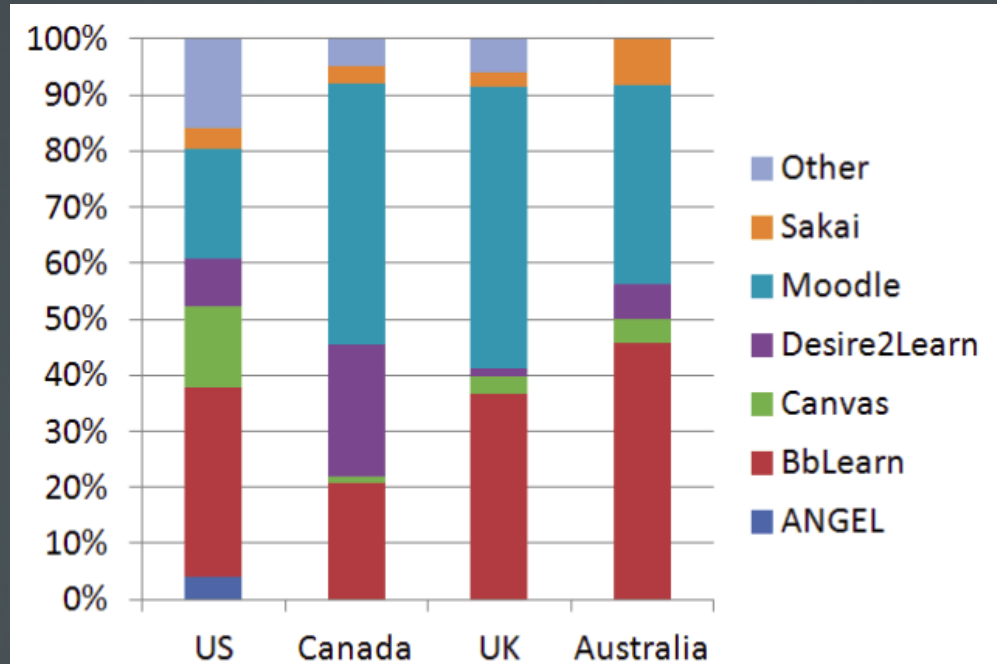
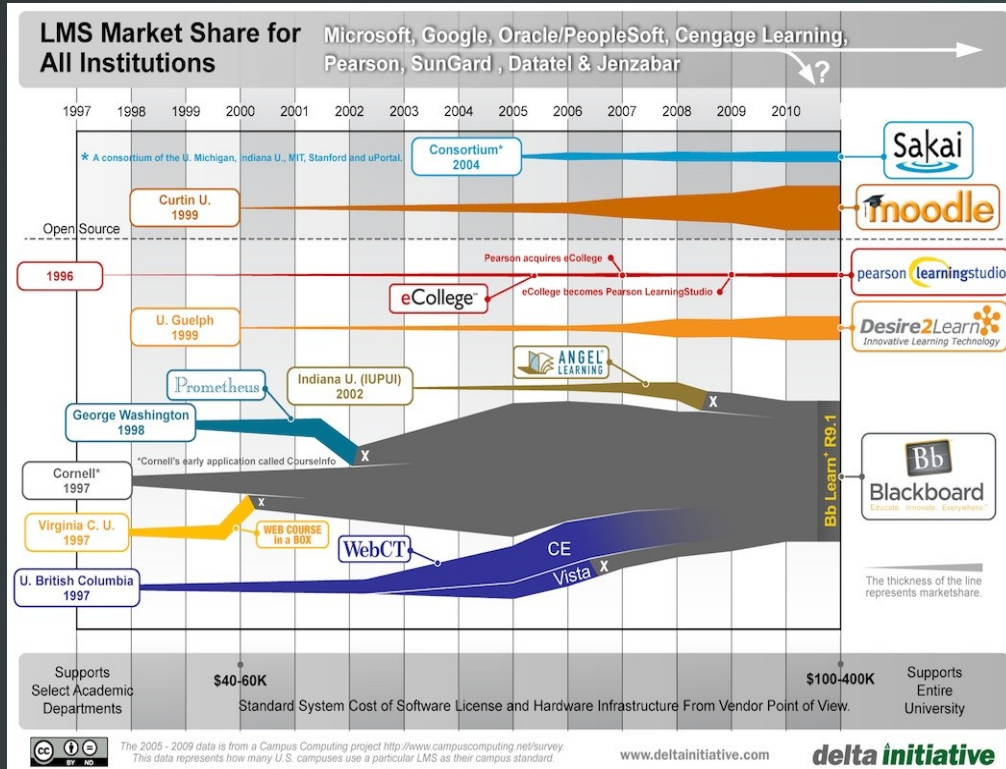
Alguns exemplos

Nos exemplos a seguir, procure saber

- Se o modelo é auto-hospedado ou "software as a service" (assinatura de um serviço)
- Quem controla o AVA ou administra o espaço? A instituição (universidade, escola) ou professores individuais?



Mercado de AVA nos EUA



Fall 2015 snapshot; www.edutechnica.com



Instructure (Canvas)

Veja instância de testes

The screenshot displays the Canvas LMS interface for a course titled "TecEd". The browser address bar shows the URL <https://usp.acme.instructure.com/courses/63>. The top navigation bar includes "Courses", "Assignments", "Grades", and "Calendar". The user is logged in as "Account Admin".

The main content area features a prominent warning: "THIS COURSE IS UNPUBLISHED" with the subtext "Only teachers can see this course until it is published". Below this is the "Recent Activity" section, which shows a message from "Account Admin" titled "Hospedagem por terceiros ou auto-hospedagem?" dated "Sep 17, 2012 3:53pm". The message content is "Vamos discutir as vantagens de cada um" and includes a "0 messages" indicator. There are also options to "Add a Comment..." and "View Entire Topic".

At the bottom of the main content area, there is a Creative Commons Attribution (CC BY) license notice: "This course content is offered under a [CC Attribution](#) license. Content in this course can be considered under this license unless otherwise noted."

The "Next Steps" sidebar on the left lists several actions: "Import Content", "Add Course Assignments", "Add Students to the Course", "Select Navigation Links", "Choose a Course Home Page", and "Add Course Calendar Events".

A large informational box on the right side of the "Next Steps" section contains the text: "Great, so you've got a course... Now what? Well, before you go publishing it to the world, you may want to check and make sure you've got the basics laid out. Work through the list on the left to ensure that your course is ready to use." Below this text is a bolded warning: "This course is visible only to teachers until it is published".

The footer of the interface includes the text "powered by INSTRUCTURE" and links for "Open Source LMS", "Privacy policy", "Terms of service", "Facebook", and "Twitter". A trial warning at the bottom left states "14 days left in your Instant Trial (extend now)". At the bottom right, there are links to "Switch to Teacher View" and "Student View".

Edmodo (mistura rede social e AVA)

The screenshot displays the Edmodo web interface. At the top, there is a navigation bar with icons for home, a pulse line, a book, a search bar containing 'Pesquisar postagens, grupos, usuários, aplicativos e mais', and icons for a gear, a bell, and a user profile. The main content area is divided into several sections:

- Left Sidebar:** Contains a user profile for 'Oi, Ewout ter Haar' (Professor) with a 'Verifique-me' link. Below it are sections for 'Grupos' (listing 'TecEd IFUSP' and options to manage or create groups) and 'Comunidades' (with a 'suporte' link and a 'Ver Tudo' button).
- Observação Section:** Features tabs for 'Observação', 'Tarefa', 'Teste', and 'Enquete'. It includes a text input field for observations, a search field for groups/users, and icons for document, link, book, and clock. A blue 'Enviar' button is at the bottom right.
- Postagens recentes Section:** Shows a post by 'Ewout ter Haar a TecEd IFUSP' titled 'Tarefa'. It includes a 'Entregues (0)' button and a due date 'Para 20 setembro, 2013'. Below the task is a 'Dever de casa' field and a 'Responder' section with a date of '19 setembro, 2013' and a text input for a response.
- Right Sidebar:** Contains a 'Complete Profile' section with a progress bar and a 'Selecionar Escola' button. Below it is a 'Central de ajuda' link and an 'Invite Your Colleagues' section with a 'Convidar' button.

Redu: exemplo de startup que não decolou

<http://www.redu.com.br/>

The screenshot displays the Redu website interface. At the top, the logo 'redu' is followed by navigation links: 'Início', 'Ensine', 'Cursos', and a user profile 'Ewout'. A sidebar on the left contains a navigation menu with items: 'Visão Geral', 'Mensagens', 'Meu Mural', 'Configurações', 'Tecnologia Educacional', 'AVA Redu', and 'Contatos'. The main content area features a notification for a contact request from 'Anderson Duarte' with 'Recusar' and 'Aceitar' buttons. Below this is a search bar and a feed of updates. Two updates from 'AVA Redu' show membership announcements with member avatars. A post from 'Primeiros passos no Redu' includes a comment from 'silvia mª ramos do nascimento nascimento' and a reply from 'Andreza valeria silva'. A right sidebar titled 'Conecte-se' lists several users with '+ Adicionar' buttons. The background of the slide shows a silhouette of a tree against a dark sky.

"Moocs": coursera

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

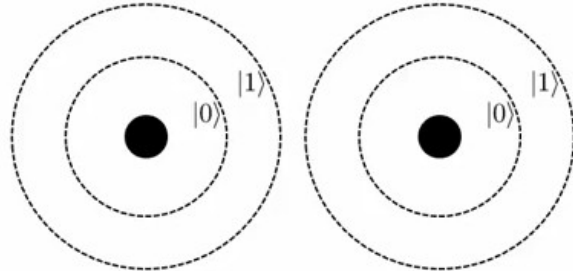
University of California, Berkeley
Quantum Mechanics and Quantum Computation

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

Video Lectures

- Lect 1: Welcome
- Overview
- Double-slit experiment
- Double-slit experiment
- Lect 2: Quantum mechanics
- Lect 3: Quantum mechanics
- Review
- Two qubits
- Entanglement
- EPR
- Lect 4: Quantum mechanics
- Lect 5: Quantum mechanics
- Taking stock [11 mins]

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 »

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 [Settings] [YouTube]

< Previous

Next >

Auto-Next: ON

Instructor Comments Supplementary Material

EdX (MIT/Harvard)

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

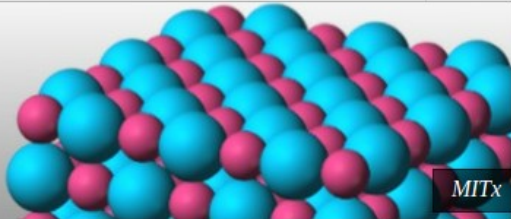
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MITx

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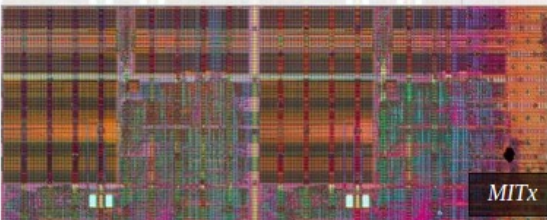
HarvardX

CS169.1x Software as a Service →



BerkeleyX

6.002x Circuits and Electronics →



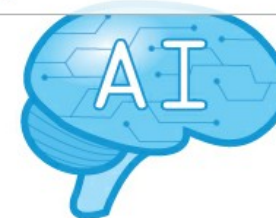
MITx

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



HarvardX

CS188.1x Introduction to Artificial Intelligence →



BerkeleyX

Oficina Moodle

Entrar na "Instância de Testes" em <http://dev.atp.usp.br/stoa2> usando uma de:

login	senha
professor1	senha1
professor2	senha2
...
professor30	senha30

Abrir duas abas no seu navegador

1. Ambiente de Ewout (visão como aluno)
2. O seu ambiente (tecedXX) (visão como docente)



Ewout ter Haar
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