

Strategy Innovation



ONLINE LEARNING PLATFORM

CASE STUDY

INNOVECS®

www.innovecs.com

ONLINE LEARNING PLATFORM



INDUSTRY

Education



CLIENT

Founded by the Massachusetts Institute of Technology (MIT) and Harvard University, the client offers online learning to on-campus students and to millions of people around the world.



PRODUCT

This is an open-source online learning platform and web portal for online education.

The platform is implemented mostly in Python and the code is being made available under an AGPL license. The main repository is the platform which includes both the Learning Management System and the authoring tool, Studio. It also includes Xmodules - the courseware components that are being upgraded to the new XBlock architecture in the coming months and to suit various graders.



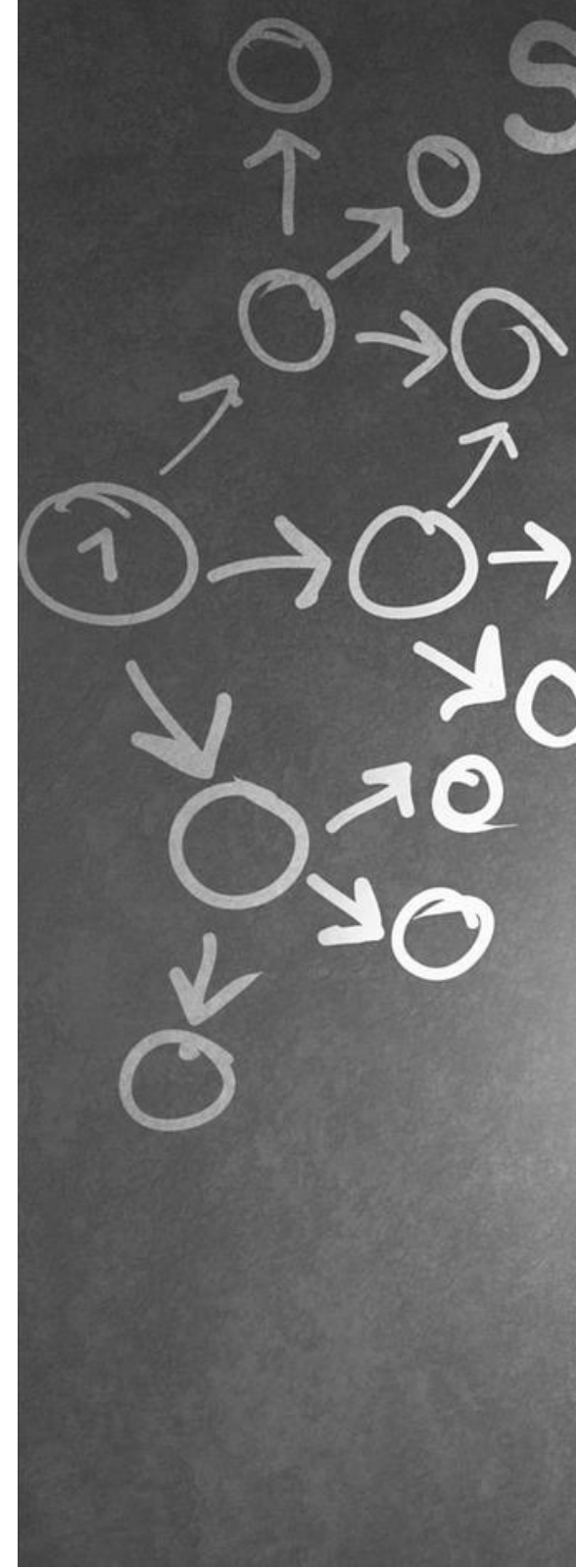
INNOVECS CONTRIBUTION

Development of Blades i.e. the modular components of the platform that include a one-click HTML5 and YouTube player with easy to use subtitles navigation.



TECHNOLOGIES

Python + stack: GitHub; Javascript + stack: Require.JS, Backbone, Raphaël, jQuery. Some Ruby and Node.js

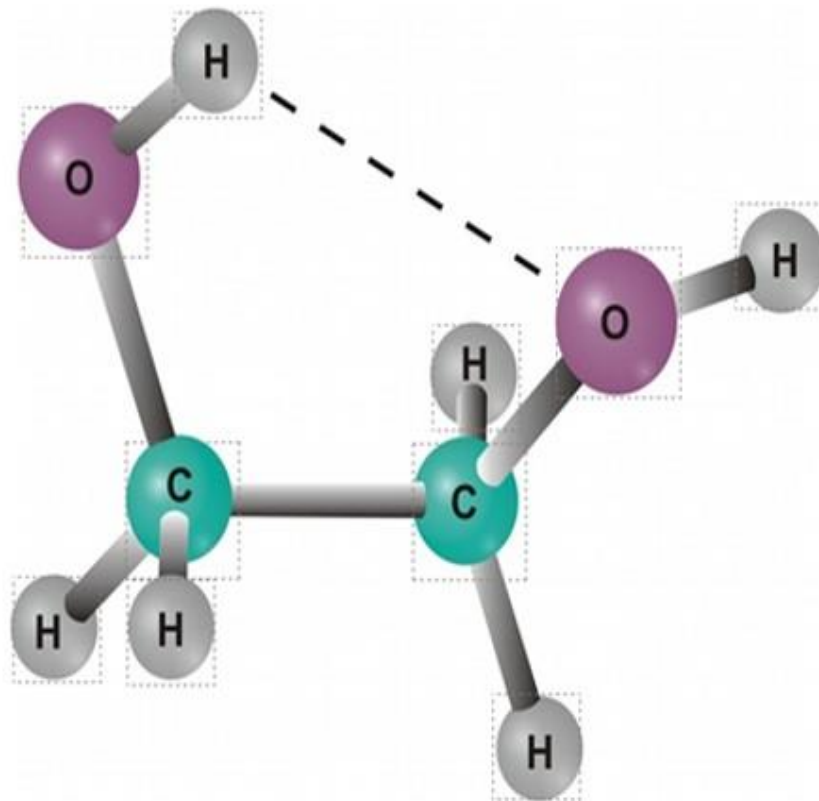


CASE STUDY

ONLINE LEARNING PLATFORM

GALLERY

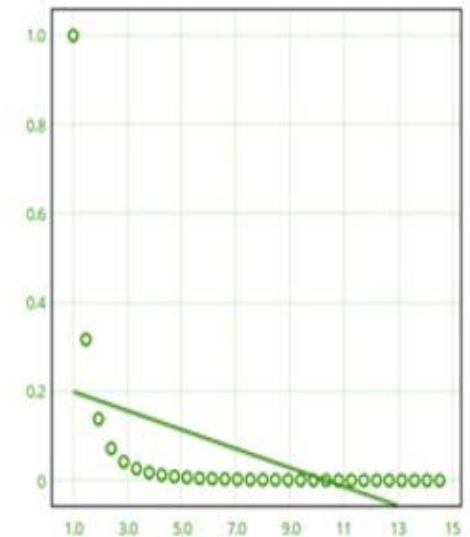
Please label all hydrogen atoms.



Hydrogen

LINEAR REGRESSION

$y' = y$ $x' = x$ ■ original



x-ladder	y-ladder
x^3	y^3
x^2	y^2
x	y
\sqrt{x}	\sqrt{y}
$\ln(x)$	$\ln(y)$
$\frac{1}{\sqrt{x}}$	$\frac{1}{\sqrt{y}}$
$\frac{1}{x}$	$\frac{1}{y}$
$\frac{1}{x^2}$	$\frac{1}{y^2}$
$\frac{1}{x^3}$	$\frac{1}{y^3}$

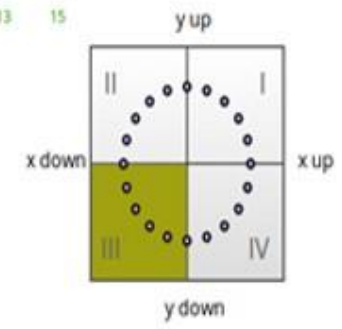
Plot

- original
- transform
- overlay

Data

Ideal

Realistic



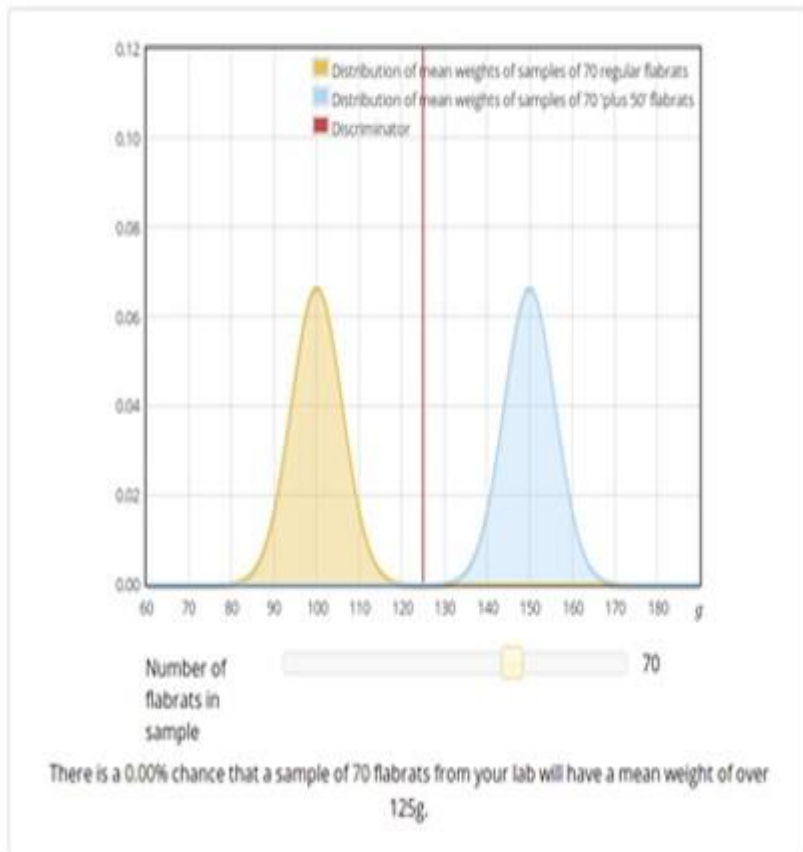
Save

CASE STUDY

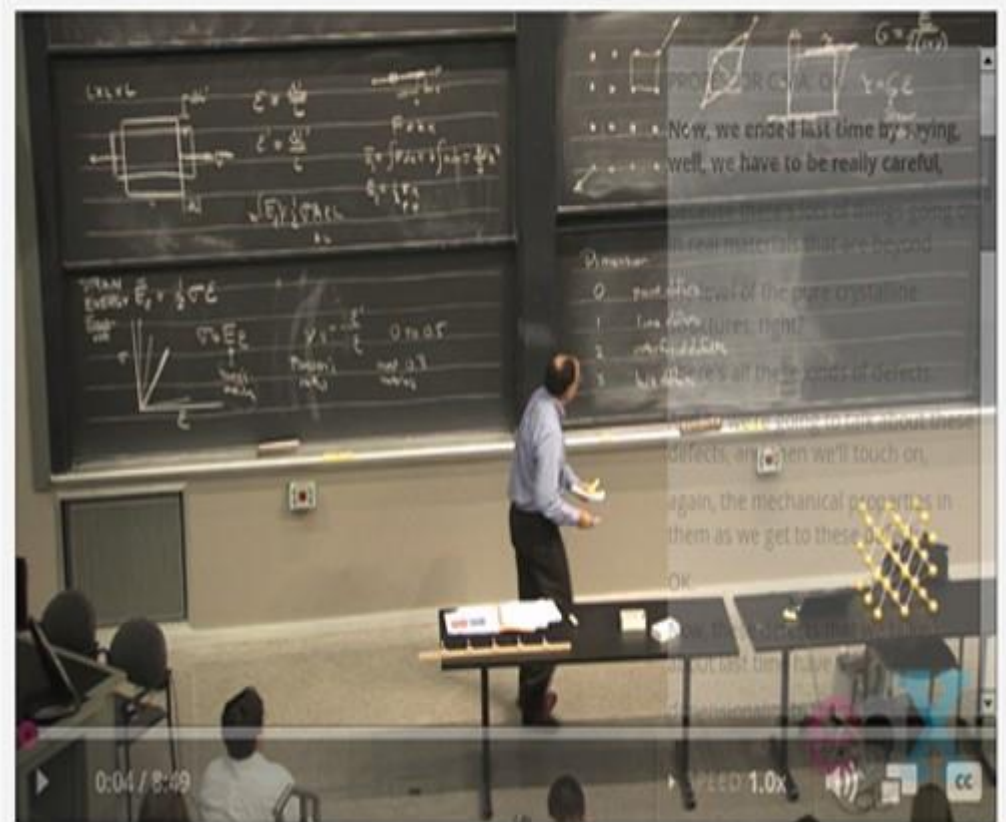
ONLINE LEARNING PLATFORM

GALLERY

Use the sliders below to determine how few rats you can weigh and still have less than a 1% chance of reaching a false conclusion.



LECTURE



Download video [here](#).



UKRAINE | USA | UK | ISRAEL | EUROPE

Innovecs is a technology software development company that lives in the cloud.

A global company with offices in San Francisco, New York, London, Tel-Aviv with R&D facilities in Ukraine, the company specializes in serving Ad- tech, Gaming, Fintech, E-commerce, Transportation, Telecom and Healthcare markets. We focus on mobile and web development, blockchain, ad tech technologies, animation and art assets creation.

WHY INNOVECS



Highly skilled & Talented Engineers



Fast Hiring Processes



Multiple Service Offerings



Flexible partnership models



Deep Domain Knowledge



Inspirational Working Environment

HAVE SOME QUESTIONS?
CONTACT US AT SALES@INNOVECS.COM



FOR MORE INFO
www.innovecs.com