Case Study: Online Learning Platform

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

Product
Is an open-source online learning platform and a web portal at www.edx.org for online education.

The edX platform is implemented mostly in Python and the code is being made available under an AGPL license. The main repository is edx-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 various graders.

Innovecs Contribution
Development of edX Blades – modular components of edX platform which include a one-click html5 and youtube player with subtitles navigation.

Technology
Python + stack: GitHub
Javascript + stack: Require.JS, Backbone, Raphaël, jQuery
Some Ruby and Node JS
Case Study: Online Learning Platform

Project Gallery

Please label all hydrogen atoms.

Linear Regression
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.

There is a 0.00% chance that a sample of 70 flabrats from your lab will have a mean weight of over 125g.

**Legend**
- Blue: Distribution of mean weights of samples of 70 regular flabrats
- Yellow: Distribution of mean weights of samples of 70 plus 50 flabrats
- Orange: Discriminant

**Age**

<table>
<thead>
<tr>
<th>Age Range</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 18</td>
<td>5</td>
<td>10.0%</td>
</tr>
<tr>
<td>from 10 to 25</td>
<td>32</td>
<td>65.0%</td>
</tr>
<tr>
<td>&gt; 25</td>
<td>12</td>
<td>25.0%</td>
</tr>
</tbody>
</table>

Download video [here](#).