TU Delft Online Learning

New world of credentialing – Credits for MOOCs

Tessa van Puijenbroek – Programme Management Officer

Unless otherwise indicated, this presentation is licensed CC-BY 4.0. Please attribute TU Delft Extension School / Tessa van Puijenbroek.
Next Steps Higher Education
The global campus
BACK UP SLIDES
More international student enrolments

“I chose TU Delft because while doing the MOOCs, I could only imagine the level of expertise and facilities the universities has.”

Abdulrasaq Gbadamosi
First year student MSc Electrical Engineering
TU Delft
Do learners change their behaviour when confronted with their learning performance relative to that of successful learners?

5,462 learners were exposed to the intervention

How will all this data improve educational programs?
Learners: explorers or conformers?

To what extent do learners adhere to a MOOC’s prescribed learning path?

113,000 learners across 4 MOOCs

Relying on visualizations & motif clustering

Most frequent motifs of the Functional Programming MOOC.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Quiz Complete</td>
<td>552,303</td>
<td>328,995</td>
<td>223,308</td>
</tr>
<tr>
<td>Binge Watching</td>
<td>149,784</td>
<td>90,408</td>
<td>59,376</td>
</tr>
<tr>
<td>Lecture→Quiz Complete</td>
<td>100,179</td>
<td>50,415</td>
<td>49,764</td>
</tr>
<tr>
<td>Quiz Complete→Forum</td>
<td>99,828</td>
<td>67,722</td>
<td>32,106</td>
</tr>
<tr>
<td>Quiz Complete→Progress</td>
<td>38,408</td>
<td>26,126</td>
<td>12,282</td>
</tr>
</tbody>
</table>

Use of MOOCs for Research

The potential of solar energy:
- Light green is high potential (best markets)
- Dark is less interesting
- Gray is no reliable data.

The probability of blackouts of the electricity network:
- Light color is little chance
- Black is more likely
Results

9 Open Education Awards
4 Wharton Award nominations
2 other Award

1,105,000 enrolments MOOCs
800 enrolments ProfEds
250 enrolments Online Courses
1,400 visits OCW per day

42 MOOCs
16 Professional Education
25 Online Courses
180 OCW courses
23 blended projects