Visible speakers and the surrounding space –
in moving images of MOOCs
Jeanine Reutemann
1 Introduction
2 Data Set
3 Visible speakers and their surrounding spaces
4 Conclusion
- September 2014 till January 2015
- all MOOC Courses from Coursera, edX, Futurelearn (UK) & Iversity (DE)
- overall 448 MOOC Kurse

- Lecture video: 1. lecture-video in every 3. week
  (except introduction videos)

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**Effects needed for Realism**

- (Soft) Shadows
- Reflections (Mirrors and Glossy)
- Transparency (Water, Glass)
- Interreflections (Color Bleeding)
- Complex Illumination (Natural, Area Light)
- Realistic Materials (Velvet, Paints, Glass)

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MOOC: Foundations of Computer Graphics, UC Berkeley
(7 MOOCs in total from UC Berkeley)
<table>
<thead>
<tr>
<th>MOOCs</th>
<th>Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOOC courses</td>
<td>448</td>
</tr>
<tr>
<td>Different Universities</td>
<td>160</td>
</tr>
<tr>
<td>Different Countries</td>
<td>35</td>
</tr>
<tr>
<td>Disciplines</td>
<td>63</td>
</tr>
<tr>
<td>Visible Speakers</td>
<td>Overall 448 courses</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Visible Speakers</td>
<td>75%</td>
</tr>
</tbody>
</table>

**Visible Speakers and the surrounding spaces**

<table>
<thead>
<tr>
<th>Description</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Presentation slides with speaker</td>
<td>23%</td>
</tr>
<tr>
<td>Monochrome</td>
<td>20%</td>
</tr>
<tr>
<td>Green screen</td>
<td>19%</td>
</tr>
<tr>
<td>Book shelf</td>
<td>17%</td>
</tr>
<tr>
<td>On-Location</td>
<td>16%</td>
</tr>
<tr>
<td>Split screen</td>
<td>11%</td>
</tr>
<tr>
<td>Outdoor</td>
<td>9%</td>
</tr>
<tr>
<td>Classroom with students</td>
<td>7%</td>
</tr>
<tr>
<td>Classroom without students</td>
<td>6%</td>
</tr>
</tbody>
</table>

Other categories like Animation, Screen-Capture etc. are not listed in this table.
MOOC: History of the Slave South, University of Pennsylvania US
You definitely need to take these elements into consideration. Otherwise, you will have all kinds of problems with your assignment.
Reality

MOOC: Introduction to Bioinformatics, Saint Petersburg State University RU
ICT – a critical infrastructure

- ICT is an infrastructure itself
- Failure: Huge financial implications!
- Failing internet will have a big impact on society because of interdependencies
Learning goals of the presentation

**Understanding:**

- The prominence of ICT for the performance of infrastructures
- The challenges when designing ICT
- The need for information architectures to guide ICT design
Closed Innovation Model
- Recruit top talent for internal R&D
- Innovate only within firm’s boundaries
- Filter internal ideas for defined market

Selecting the “right” industry
- Success depends a great deal on selecting the right industry in which to launch a new firm

Due Diligence
- You, your team and your company are under a microscope.
- Legal, financial and strategic review of organizational structure, history, contractual relationships and documents.
- Will be tedious, frustrating, time consuming and costly.
- Key to success: preparation and cooperation.
Thank you for your attention!

MOOC video mash-up on:
http://www.audiovisualresearch.org/moocs/
Two speakers in the same frame

The Violent Universe, Australian National University, AU

The Land Ethic Reclaimed: Perceptive Hunting, Aldo Leopold, and Conservation, University of Wisconsin-Madison US

American Education Reform: History, Policy, Practice, University of Pennsylvania US

Introduction to Philosophy: God, Knowledge and Consciousness, MIT US
MOOC: Introduction to Philosophy: God, Knowledge and Consciousness, MIT US