Systematic Research about Impact on Higher Education by MOOCs in Mainland of China

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The MOOCs in Mainland of China

Online Education Pilot Project (1998-2013)

Online Education (pro-MOOC)

University Driven MOOCs

Policy driven MOOCs

2013-2014

2015-2017
The largest Community (2012-2017)

MOOCs

The Most Cited article

Potential Impact on High Education by MOOCs
(XinMin Sang, Yangbin Xie, Manfu Yang, 2014)

Paper Citation Network on High Education (2012-2017), 177 papers
Research Question

What ‘s impact on high education by MOOCs in Mainland of China?

the National Key Project “Strategic Research on ICT in Education& MOOCs “
Main Research Method

Citation Network Analysis

Data Mining

Critical Discourse Analysis

Web Content Analysis
1 TOP DOWN PROMOTING REFORM
Government Promoting Reform

To develop self-build platform, to share qualified teaching resources by MOOCs, to improve high education quality, to reform teaching and learning, to build new system (Ministry of Education, 2015)
Universities Response Positively

Critical Discourse Analysis
- 548 documents from university Web
- 74 universities
- Manually coding
- up to October 30, 2016.

(Jingjing Zhang, Chenchen Zhou, 2017)
### Rapid Development

#### Number of MOOCs on 14 Main Platforms

- **2015年课程规模**
  - sharecourse: 73
  - ewsant: 89
  - 学堂在线: 472
  - 好大学在线: 97
  - 铁路学堂: 36
  - 优课联盟: 15
  - 顶你学堂: 25
  - 网易云课堂: 0
  - 智慧树: 58
  - 开课吧: 185
  - 中国大学MOOC: 759
  - 慕课中国: 30
  - 成人高校MOOC联盟: 8
  - 华文慕课: 0
  - 总计: 1388

- **2017.6课程规模**
  - sharecourse: 310
  - ewsant: 501
  - 学堂在线: 1349
  - 好大学在线: 483
  - 铁路学堂: 28
  - 优课联盟: 203
  - 顶你学堂: 305
  - 网易云课堂: 3000
  - 智慧树: 0
  - 开课吧: 230
  - 中国大学MOOC: 759
  - 慕课中国: 1369
  - 成人高校MOOC联盟: 0
  - 华文慕课: 64
  - 总计: 8601

**1388 by June, 2015**

**8601 by June, 2017**
IMPROVING REPUTATION OF ONLINE EDUCATION QUALITY
Improved Public Recognition on Online Education

Content Analysis based on Grounded Theory
• Sina Weibo
• about 2000 tweets from Universities, Professor, Leaners
• Manually coding
• 2010-2015

(Jingjing Zhang, Kirk Perris2, Qinhua Zheng and Li Chen,2015)
Tsinghua university Initiated first online master program: *Data Science & Engineer* at September 2015, with regular master degree.
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CHANGING THE MISSION OF TOP UNIVERSITIES
Responsibility for Education Equity

- Offering MOOCs to widen access to high-quality resources, and to share these resources to a large population (Beijing hang, 2013, Meeting minutes)
- Creating a MOOC center to share top-quality educational resources for the society (East China Normal University, 2013, report)
- Launching a MOOCs project to share specialized courses and high-quality courses (Sun Yat-sen University, 2013, official documents)
- Establishing XuetangX to accelerate the process of global sharing of high-quality courses (Tsinghua University, 2016, News)
Open to the World

- Edx: Peking + Tsinghua Universities
- Coursera: Peking+Fudan+Nanjing+Shang Hai Jiaotong Universities

“offer MOOCs for the world” (Tsinghua University, 2015, Notice; Peking University, 2014, Official document)
STARTED TO EXPLORE NEW SYSTEM
Initiated Credit Recognition System

- Recognize credit in the university
- Recognize credit between some universities
- Recognize credit between regional University
- Credit bank running by China open university

No qualification framework, No national QA system
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PAY ATTENTION TO SOCIAL LEARNING
Papers about Connective Learning
**Learners are Interested in Social Learning**

<table>
<thead>
<tr>
<th>Subcategory</th>
<th>Concept</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self-Expression</td>
<td>selection, self-control, self-presentation</td>
</tr>
<tr>
<td>Social Learning</td>
<td>willing to cooperation, seeking help, interaction, FAQ</td>
</tr>
<tr>
<td>Open and Sharing</td>
<td>MOOC reflection, MOOC sharing, MOOC reviews, MOOC study notes, sing with you, reading notes, movie recommendations, result summary, curriculum comparison, course feedback, course notes, course statistics, course evaluation, self-reflection, course recommendations, work sharing, learning experience</td>
</tr>
<tr>
<td>Gained Knowledge</td>
<td>course content, knowledge point sharing</td>
</tr>
</tbody>
</table>
Strong Power to Build New High Education

LEARNING  Qualified  Individualized
Flexible  Lifelong