MOOC analytics: live dashboards, post-hoc analytics and the long-term effects.

Lorenzo Vigentini¹, Yuan Wang², Luc Paquette³, Manuel León Urrutia⁴

¹UNSW Sydney, Australia
²Columbia University, USA
³University of Illinois Urbana-Champaign, USA
⁴University of Southampton, UK

l.vigentini@unsw.edu.au, elle.wang@columbia.edu,
lpag@illinois.edu, m.leon-urrutia@soton.ac.uk

Workshops from the 7th International Learning Analytics and Knowledge Conference. Simon Fraser University, Vancouver, Canada, 13-17 March 2017

Published October 2017.
Copyright © 2017 for the individual papers by the papers’ authors. Copying permitted for private and academic purposes. This volume is published and copyrighted by its editors.
This volume puts together a series of papers presented at two workshops hosted at the Learning analytics and Knowledge (LAK) conference in 2017. Even though the two workshops were organised independently, the range of submissions provides a snapshot of the type of research currently conducted with MOOCs.

**Acknowledgements**

The Editors of the volume would like to acknowledge the essential work of all the programme committee members who contributed to improve the papers during the review process:

- Guanliang Chen (TU DELFT, Netherland)
- Andrew Clayphan (UNSW, Australia)
- Ben Daniel Motidyang (University of Otago, New Zealand)
- Daniel Davis (TU DELFT, Netherland)
- Rebecca Ferguson (Open University, UK)
- Hernández-Leo, Davinia (Universitat Pompeu Fabra Barcelona, Spain)
- Sreecok Jokimovic (University of Edinburgh, UK)
- Vitomir Kovanovic (University of Edinburgh, UK)
- Danny Liu (University of Sydney, Australia)
- Luc Paquette (Columbia, USA)
- Negin Mirriahi (UNSW, Australia)
- Bart Rienties (Open University, UK)
- Sukaina Walji (University of Cape Town, South Africa)
- Elle Wang (Columbia, USA)
- Adriana G. Wilde (University of Southampton, UK)

We would also like to thanks colleagues who provided feedback and comments to the various drafts of this Proceedings and the valuable contributions of all who took part in these workshops at the LAK conference.
Table of content

Foreword
By Lorenzo Vigentini and Yuan Wang…………………………………………..  I-II

PART 1
FutureLearn data: what we currently have, what we are learning and how it is demonstrating learning in MOOCs.
editors Lorenzo Vigentini and Manuel León Urrutia

FutureLearn data: what we currently have, what we are learning and how it is demonstrating learning in MOOCs.
Lorenzo Vigentini, Manuel León Urrutia & Ben Fields…………………………  2

The University of Southampton MOOC Observatory Dashboard
Manuel León-Urrutia and Darron Tang…………………………………………..  8

Dynamic dashboard for educators and students in FutureLearn MOOCs: experiences and insights
Lorenzo Vigentini, Andrew Clayphan, Mahsa Chitsaz…………………………. 20

Discussion Analytics: Identifying Conversations and Social Learners in FutureLearn MOOCs
Shi Min Chua, Caroline Tagg, Mike Sharples, Bart Rienties…………………… 36

Data Analytics Informing MOOC Continuous Improvement
John Vulic, Mahsa Chitsaz, Ganga Prusty & Robin Ford………………………  63

Predicting attrition from Massive Open Online Courses in FutureLearn and edX
Ruth Cobos, Adriana Wilde & Ed Zaluska………………………………………. 74

PART 2
Workshop on Integrated Learning Analytics of MOOC Post-Course Development
editors Yuan Wang, Dan Davis, Guanliang Chen & Luc Paquette

Workshop on Integrated Learning Analytics of MOOC Post-Course Development
Yuan Wang, Dan Davis, Guanliang Chen & Luc Paquette……………………...  95
Behavioral Predictors of MOOC Post-Course Development  
Yuan Wang, Ryan S. Baker, Luc Paquette

Habits of Highly Successful Professional Learners and the Corresponding Online Curriculum  
Rob Rubin, Alicia Redmond, Gregory Weber & Gulrez Khan

Public Participation in Environmental Stewardship after MOOCs  
Yue Li, Marianne Krasny, Yuan Wang & Lei Zhang

Engaging MOOC Learners as Lifelong Collaborators  
Christopher Brooks, Rebecca Quintana & Hui Liang