

The State of Video-Based Learning: A Review and Future Perspectives

Abstract:

The pedagogical strength of Video-Based Learning (VBL) is presenting knowledge in consistent and attractive manner. In recent years, the new forms and technologies of VBL such as flipped classrooms, and most prominently MOOCs, have had a remarkable impact on teaching and learning methodologies. A significant number of academic publications have investigated and analyzed VBL environments from different perspectives, including potential usage, effects on learning outcomes, satisfaction levels, and effectiveness. This study provides a critical analysis of the current research in VBL conducted from 2013 until today. We aim to help educators in building deeper understanding about the educational benefits of VBL. In this study, 77 peer reviewed papers are identified through journals and academic databases and they are categorized into four main dimensions: effectiveness, teaching methods, design, and reflection. In the scope of this analysis, we also provide future visions and research opportunities in VBL that support self-organized and network learning.

Keywords: Video-Based Learning; VBL; MOOC; Review of Research; Blended Learning; Video Design; Flipped Classroom; Technology-Enhanced Learning.