

Original Paper

World Yearbook of Education: Comparative Methodology in the Era of Big Data and Global Networks

Ismail Baniadam^{1*}

¹ International Students Affairs Department, Urmia University, Urmia, Iran

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Abstract

Global network platform as the most considerable context integrated by variety of modern and upgraded methodologies including digital and online methodologies along with all benefits and challenges paving the way for all scholars and educational experts to consider their studies regarding data visualization implementation for the sake of learning and teaching purposes in various ways. Examining the multiple perspectives of the present volume, it evaluates some critical technological developments that shed light on the novel assumptions and values in the era of global networks demanded at international education context.

Keywords

education, global network, big data

1. Introduction

Globally, the effect of Big Data on education is a deep analytical and evaluative item in every educational system all around the world. It is composed of the measurement, data collection, analysis, and presentation of structured and unstructured data on students and their systemic educational context (Bian & Wang, 2023). The use of Big Data term in education context is a general and umbrella form which includes several topics and networks with high consideration of adaptive learning and teaching context (Tröhler et al., 2021) The data which is the most critical item is used to evaluate the context, materials, motivational factors and needs analysis of students and learners in order to create a pleasant and fruitful platform or atmosphere regarding students' needs (Bocanegra, 2016).

Emerging as a new phenomenon, the application of some new comparing platforms introduces particular information, knowledge, and theories in higher education which are emphasized considered as the highly required items in education and new global era network. As the era of 'big data', the creation of a new kind of organizational form emphasizing education policy and comparative education

is in the high priority which are discussed respectively (Killick, 2014).

Considering the effect of Mobilizing in education and Research context, the limitation and challenges of some non-dynamic and non- mobilized contexts in educational researches are fully discussed by authors and scholars (Piattoeva, 2018).

As the solution to mentioned issue, Actor-Network Theory approach paves the way to present some rational mobilized contexts to researchers and context-makers to improve practical contextualization in correlational and relative resource platform (Alcadipani & Hassard, 2010).

2. Book Review

The discovery of updated challenges or affairs in big data and global networks time from scientific perspectives is highly considered regarding educational policy and methodology. It examines wide range of contemporary methods classified at twelve chapters with the collection of four main sections in relative phases such as contexts, effectiveness, patterns, and correlations. The organization of the book consists of globally upgraded scientific exploration along with some new concepts and theories in line with recent leading researchers on international education to highlight the significance of global education in global big data networks (Gorur et al., 2018).

Regarding big data network and its effectiveness on global education, the book emphasizes and supports the necessity for critical assessment and consideration of comparative methodologies in achieving both national and international goals (Williamson, 2017). The book also addresses the impact of globalization on education, as one of the principal questions or targets considered at comparative research methodologies all around the world. A large-scale international statistical comparison in education regarding social, cultural, and financial contexts among nations is highly emphasized in this book (Gorur et al., 2018).

Regarding the evaluation of the volume, it mainly and effectively highlights and supports the role of network analysis as a multilateral conceptual methodology in current global education and international study programs is highly emphasized (Menashy & Verger, 2018). Examining global education researches, the primary aim of the present chapter is extending global education networking using Social Network Analysis at international community. In addition, the second significant section of the book, chapter 9, mainly considers the principal role of big data and new online social platforms on higher education systems in constructing new global networks and relations among scholars and researchers in higher education platform (Pratsri & Nilsook, 2020).

Big data, E-learning, new version of digital data, and networks are considered as the main items of critical overview in this volume which are not available in any other books. Examining different subjects, the book covers a wide range of perspectives from leading educational thinkers and writers' sides, which provides a complete global platform for comparative education, mapping, policy, networking, critical assessment, and big data affairs thematically.

The present book is very different from other books on the topic as it significantly covers complex

effect of globalization, network, and technology on education in big data context. Critically, the book mainly highlights and argues the importance of latest predictive analytics and psycho-informatics in test-based data collection measurement in comparative education in “Intimate Data Infrastructure”. As a new challenge and development in comparative methodology, it focuses on every single individual’s data by applying comparative “big data” methods in “real time” as an “intimate” analytic implication (Gorur et al., 2018).

4. Discussion and Conclusion

As the significant book at big data and global networking, it provides fascinating information for researchers in the education policy and comparative education that is comprehensively convincing for the large groups of people. Considering all comparative methodologies in the era of big data and global networks, the present book opens a new vision for all scholars along with documenting the significant concepts, challenges, opportunities, and benefits in educational research context and comparative methodology which would be of interesting and a new topic for all students in discovering innovative or creative methodologies, especially in the study of education system and education policy. Furthermore, this volume opens a gate for a global and international education in all segments of society even in low-income nations often schooling in English and with ‘international’ or ‘global’ perspectives at multiple scales. Regarding the path for doing further researches in global networking affairs in education, it is a comprehensive resource for all scholars and academicians all around the world.

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