

Chapter 26

The Relevance of Relational Ontologies in Driving New Methodological Approaches in Virtual and Digital Contexts

Monica C. Scarano

FGES Université Catholique de Lille, France

ABSTRACT

Qualitative methods are traditionally roots in the anthropological person-centered field. In a virtual and digitalized society, the presence and the agency of technology and devices need to be considered as well. The purpose of this chapter is to contribute conceptually to the reflection of a different ontological perspective in qualitative research. After presenting some qualitative methods centered on humanist ontology and its limits in a virtual and digital society, the author explains the interest to adopt relational ontologies to adapt some qualitative methods in order to overcome the previous limits. This chapter deals with emerging qualitative methods linked to relational ontologies that move away from the individualistic vision of the consumer and also focus on the technological object.

INTRODUCTION

In the age of Big Data, thick data from qualitative research continues to be of interest (Thompson, 2019). Often rooted in the anthropological and ethnographic tradition, the qualitative methods used in social sciences have been inspired by humanist ontology, which focuses on the human as a source of knowledge (Levy & Hollan, 2014). However, in a digitalized and virtual world, social personal interactions as well as formal and informal relationships are often mediated by technology. Moreover, social phenomena are not only anchored in a geographical space as people move and both personal and professional connections can be networked, sometimes offline and sometimes online. This perspective is a challenge for qualitative methods. For example, Law (2004) states that to understand a fluid or networked world, ethnography needs to work differently. For example, computer-mediated communication is incorporated

DOI: 10.4018/978-1-7998-8473-6.ch026

into every aspect of social and daily life, so technological development increases the range and scope of social spaces and the time and forms of participation. And so, in a digitalized and virtual society, spatial relationships cannot be considered as distinct (Dholakia, Reyes, & Bonoff, 2015) and temporality represents a challenge to conducting netnographic research (Lugosi & Quinton, 2018). Recently, several consumer researches have begun to study fluidity, mobilities and networks (Thompson, 2019) with a specific attention to the technological mediator (Epp, Schau, & Price, 2014) that becomes an active actor (Morgan-Thomas, Dessart and Veloutsou, 2020). Researchers who focus on movement networks of people and objects in both geographical and virtual spaces (Arsel, 2016) use different theories (e.g. assemblage, actor-network or mobility turn) that support an object-centered approach (Campbell & McHugh, 2016) linked to relational ontologies. This is a different perspective characterized by the primacy of relationships human-object over entities. That is to say, objects, understood as nonhuman entities (such as technologies) became more and more important, for example to mediate relationships and consumption (Epp, Schau and Price, 2014) or to generate human practices (Morgan-Thomas, Dessart and Veloutsou, 2020). Different sociologists explained what are nonhuman entities (Callon, 1999; Latour, 2005; Law, 1987). This term is used to denote entities as diverse as texts, natural phenomena, animals, material structures, transportation devices, tools and technical artifacts, economic goods (Sayes, 2014, p.136). However, if more and more researchers use theories derived from relational ontologies to understand human and nonhuman relationships, little is done to adapt qualitative methods to relational ontologies.

This chapter invites the reader to re-examine the qualitative methodologic challenges in conducting researches in a networked, virtual and digitalized context to overcome some limits of methods linked to humanist ontology. First, the author presents some qualitative methods human-centered, largely used in consumer research and underline their limits in a digitalized and virtual context. Second, it is introduced the perspective of relational ontologies to overcome these limits and to shift from a human-centered perspective to an object-centered perspective to consider nonhuman agency, non-linear temporality and networked social spaces. In relational ontologies the term 'object' is intended as all that is not human, such as technology, devices, artifacts, images, information (Lucarelli and Giovanardi, 2019). In this chapter the author use the term 'object' or 'technological object' to specially refer to devices, technology, platforms, artificial intelligence (AI), robots. Third, some adaptation of existing qualitative methods under the perspective of relational ontologies, such as netnography, interviews and videography are explained. Finally, the author proposes some possible adaptations of others qualitative methods, such as object observation, object-centered autovideography and AI interviews as suggested future opportunities.

Qualitative Methods Human Centered and Their Limits in a Virtual and Digitalised Society

Qualitative methods used in marketing and consumer research are largely anchored in social and anthropological tradition (Levy, 2006). These methods include different techniques such as personal interviewing, focus group interviewing, projective techniques, visual methods, ethnography. Linked to different theoretical perspective such as phenomenology, symbolic interactionism, or ethnomethodology, these qualitative methods are centered on the persons to understand their everyday life, their point of view, their subjective and social constructs of their world (Flick, von Kardoff & Steinke, 2004). The nonhuman entities, such as technologies or artifacts, emerge in the research based on the experience which human actors have and express. For example, Zhong, Balagué and Benamar (2017), studied the usage of connected objects using semi-structured interviews. In their research, the authors used a content analysis

13 more pages are available in the full version of this document, which may be purchased using the "Add to Cart" button on the publisher's webpage:
www.igi-global.com/chapter/the-relevance-of-relational-ontologies-in-driving-new-methodological-approaches-in-virtual-and-digital-contexts/287475

Related Content

Using Economic Decision-Making Tools in Continuous Improvement

Murtadha Albuali (2020). *International Journal of Strategic Engineering* (pp. 36-47).

www.irma-international.org/article/using-economic-decision-making-tools-in-continuous-improvement/243667

A Critical Overview of Digital Twins

Princess Adjeiand Reza Montasari (2020). *International Journal of Strategic Engineering* (pp. 48-58).

www.irma-international.org/article/a-critical-overview-of-digital-twins/243668

A Critical Overview of Digital Twins

Princess Adjeiand Reza Montasari (2020). *International Journal of Strategic Engineering* (pp. 48-58).

www.irma-international.org/article/a-critical-overview-of-digital-twins/243668

Enacting a Cycle of Inquiry Capstone Research Project in Doctoral-Level Leadership Preparation

Shelby Cosner, Steve Tozerand Paul Zavitkovsky (2016). *Contemporary Approaches to Dissertation Development and Research Methods* (pp. 162-183).

www.irma-international.org/chapter/enacting-a-cycle-of-inquiry-capstone-research-project-in-doctoral-level-leadership-preparation/156937

Sustainable Urban Development: Strategies To Support The Melbourne 2017 - 2050

Koorosh Gharehbaghi, Bambang Trigunaryahand Addil Balli (2020). *International Journal of Strategic Engineering* (pp. 59-72).

www.irma-international.org/article/sustainable-urban-development/255142