


## Chapter 6

# A Review of Single Case Study and Multiple Case Study Research Designs

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### **ABSTRACT**

*In the field of education, case study is a widely used qualitative research methodology. While there are a broad range of approaches to case study, the resources available to researchers is limited. Therefore, this chapter aims to shed some light on what defines a case study and some of the possible methodological variations. The goal of this chapter is to provide the reader with a foundational understanding of a case study as a methodology and how this methodology aligns within various research contexts in the field of education.*

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## THE CASE STUDY METHOD: DEFINITION AND VARIATIONS

According to Yin (1981), a case study is “(a) a contemporary phenomenon in its real-life context, especially when (b) the boundaries between phenomenon and context are not clearly evident” (p. 59). In other words, a case study focuses on observing a unique situation that occurs (or occurred) in real life; and, the case study method is particularly appropriate when the situation cannot be defined apart from the context in which it occurs (as opposed to a randomized, controlled experiment). The case itself can range from something concrete (e.g., an individual person or organization) to something abstract, e.g., a relationship or idea (Creswell & Poth, 2018; Yin, 2009a).

Epistemological beliefs play an important role in identifying the case, developing research questions, and deciding how the case study will be designed. Researchers must begin the case study research process with an understanding of their epistemological beliefs, because this epistemological perspective will ultimately guide the focus and direction of the research (Bloomberg & Volpe, 2016; Creswell & Poth, 2018; Huff, 2009). In this chapter, we will focus on case studies that align with a positivist or, alternatively, constructivist viewpoint. As the reader will note in the different examples presented in this article, some case studies seek to draw objective, generalizable conclusions based on scientific approaches to data collection and data analysis. This is reflective of the positivistic epistemological approach to case study research (Phillips & Burbules, 2000; Yin, 2009a). The constructivist epistemological approach also seeks to draw conclusions, but this approach is transparent about the role of the researchers’ subjectivity in interpreting the data (Yazan, 2015).

Central to the positivistic approach is the idea that “there are social *facts* with an objective reality apart from the beliefs of individuals” (Firestone, 1987, p. 16, *italics in original*); hence, objectivity, validity, and generalizability are considered the essential tenets of positivism-oriented research (Crotty, 1998). This leads those adopting positivism to believe that construct validity, internal validity, external validity (i.e., generalizability of the findings), and reliability should be emphasized in case study research (Yin, 2012b, 2018).

As opposed to Yin who has more quantitative or positivistic leanings, most contemporary case study researchers hold that constructivism should be the epistemology orienting and informing case study research (e.g., Merriam, 1998; Stake, 1995; Yazan, 2015) because, as Merriam (1998) elucidates, “the primary instrument in qualitative research is human, all observations and analyses are filtered through that human being’s worldview, values, and perspective” (p. 22). From the constructivist viewpoint, “knowledge is constructed rather than discovered. The world we know is a particularly human construction” (Stake, 1995, pp. 99-100), and, to use Merriam’s (1998) words, “reality is not an objective entity; rather, there are

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