

QUALITATIVE ANALYSIS USING NVivo

*THE FIVE LEVEL
QDA[®] METHOD*

NICHOLAS H. WOOLF
CHRISTINA SILVER

QUALITATIVE ANALYSIS USING NVivo

Software is cut and dried—every button you press has a predictable effect—but qualitative analysis is open ended and unfolds in unpredictable ways. This contradiction is best resolved by separating analytic strategies—*what you plan to do*—from software tactics—*how you plan to do it*. Expert NVivo users have unconsciously learned to do this. The *Five-Level QDA*[®] method unpacks the process so that you can learn it consciously and efficiently.

The first part of the book explains how the contradiction between analytic strategies and software tactics is reconciled by “translating” between them. The second part provides both an in-depth description of how NVivo works and comprehensive instruction in the five steps of “translation.” These steps are illustrated with examples from a variety of research projects. The third part contains real-world qualitative research projects from a variety of disciplines, methodologies, and kinds of qualitative analysis, all illustrated in NVivo using the *Five-Level QDA* method. The book is accompanied by three sets of video demonstrations on the companion website.

The book and accompanying videos illustrate the Windows version of NVivo. As there are some differences in screen and interface design between the Mac and Windows versions please watch the video ‘The NVivo Mac Interface’ in the Component Orientation series of videos (available on the companion website).

The *Five-Level QDA* method is based on the authors’ combined 40 years of experience teaching NVivo and other software packages used as platforms for conducting qualitative analysis. After many years observing their students’ challenges, they developed the *Five-Level QDA* method to describe the process that long-time NVivo experts unconsciously adopt. The *Five-Level QDA* method is independent of software program or methodology, and the principles apply to any type of qualitative project.

Nicholas H. Woolf has worked as an independent qualitative research consultant, coach, and trainer since 1998. He has conducted or consulted on numerous research studies, from single-site to multinational studies in various fields in the behavioral sciences using a wide range of methodologies, from highly structured content analyses, to evaluations, grounded theory-style projects, and interpretive phenomenology. As a trainer Nick specializes in teaching qualitative analysis using ATLAS.ti. He has conducted 285 workshops at over 100 universities and other institutions, primarily in the USA and Canada, for more than 3,000 PhD students, professors, and research and evaluation consultants. In 2013 Nick introduced *Five-Level QDA* in his keynote address at the first ATLAS.ti user’s conference in Berlin (Woolf, 2014).

Christina Silver has worked at the CAQDAS Networking Project at the University of Surrey, UK, since 1998. She is responsible for capacity-building activities and has designed and led training in all the major qualitative software programs, including ATLAS.ti, Dedoose, MAXQDA, NVivo, Transana, QDA Miner, Qualrus, and Quirkos. Christina also works as an independent researcher, consultant, and trainer, supporting researchers to plan and implement computer-assisted analysis and contributing to doctoral research programs in several UK universities.

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Nicholas H. Woolf and Christina Silver

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*Dedicated to Ben Woolf,
who fearlessly overcame
seemingly insurmountable obstacles
with grace and humor.*

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CASE CONTRIBUTORS

Chapter 8: An Exploratory Literature Review

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Chapter 9: A Program Evaluation

Kristi Jackson, PhD, is co-author with Patricia Bazeley of the book *Qualitative Data Analysis with NVivo*, now in its second edition, and in 2002 she founded Queri (www.queri.com), a qualitative research consulting firm. With over 25 years of experience in qualitative research design, data collection, analysis, reporting, and stakeholder relations, she is an expert in a diverse array of qualitative methodologies. She also has extensive experience in large-scale and small-scale team research and evaluation research. As Chair of the Special Interest Group (SIG) on Digital Tools for Qualitative Research at the International Congress of Qualitative Inquiry, she continues to cultivate decades of collaborative, international relationships with a wide range of stakeholders in the Qualitative Data Analysis Software (QDAS) community. Her theoretical frames tend to be sociological, and her research interests include conceptualizations of qualitative research transparency and the constantly changing spaces where qualitative researchers and technologies meet.





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ORIENTATION

Learning to do qualitative analysis with NVivo does not mean *learning how to operate the program really well*. Instead it means *learning to harness NVivo powerfully*. These two objectives could not be more different, and this orientation prepares you for what is to come.

Orientation means *finding one's location in an environment*. Orientations are common in the business world to socialize new employees in an organization, with activities to gain their commitment, reduce their anxiety, and let them know what they should expect from the organization. Only then are employees trained for their specific jobs. It is in this sense that we provide this orientation. The purpose is to alleviate your concerns and enlist your patience for what is to come by telling you why this book is written in the way that it is.

Three areas require orientation. The first is what kind of program NVivo is and what it means to harness it powerfully. The second area is the best way to learn to do this. We have drawn on our combined 40 years of teaching experience to develop an approach to learning that is not what is generally expected in software training. The third area concerns the differences between using NVivo in solo research projects and in research teams. The orientation ends with a roadmap through the book.

NVivo Is Not an Analysis Program

Some researchers expect—or hope—that NVivo will somehow do the analysis and reduce the hard mental work of qualitative analysis. Others are fully aware that this is not the case, yet they unconsciously expect that NVivo will make at least some contribution to the analysis. Part of the problem is the names for these types of programs—Computer-Assisted Qualitative Data Analysis (CAQDAS), or qualitative data analysis software (QDAS), or simply qualitative analysis software. All have *software* and *analysis* in them, which inevitably suggests that the software performs analysis. (See Box 0.1 for more on the history of acronyms for these dedicated software packages).

The idea that the software does some kind of analysis can be hard to overcome. The natural assumption is that NVivo is a qualitative cousin to statistical software packages like SPSS or SAS. But programs like Scrivener or Microsoft Word that support the writing process offer a more useful comparison. Microsoft Word is never called a computer-assisted writing program—it is not a writing program at all. It just displays characters corresponding to the keys you press, with bells and whistles to move text around and format text to make it look appealing. There are no