

## Qualitative Research in Ergonomics: An Added Advantage

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### Editorial

Qualitative research is aimed at gaining a deep understanding of a research problem, rather than surface description of a large sample of a population. It aims to provide an explicit rendering of the structure, order, and broad patterns found among a group of participants. Qualitative research aims to get a better understanding through first-hand experience, truthful reporting, and quotations of actual conversations. It aims to understand how the participants derive meaning from their surroundings, and how their meaning influences their behavior [1]. Qualitative research can provide you with details about human behavior, emotion, and personality characteristics that quantitative studies cannot match [2].

The application of qualitative methods to ergonomics research and practice offers us a new window on the nature of the interaction between humans and technology. Qualitative methods also offer the opportunity for ergonomists to investigate work problems and research questions using context-sensitive tools for data collection and analysis. This is particularly useful in contexts with complex social and cultural dimensions [3]. The added advantages of qualitative research in ergonomics are that it can Obtain a more realistic feel of the study participants that cannot be experienced in the numerical data and statistical analysis used in quantitative research as there is an ability to interact with the research subjects in their own language and on their own terms so that it can provide a holistic view of the phenomena under investigation [4].

To conclude, most of the research conducted in ergonomics is quantitative research. It is essential impart qualitative research methods in the ergonomics research either separately or combining with quantitative research methods to make it more fruitful both for the study subjects as well as investigators.

### References

1. <https://web.csulb.edu/~msaintg/ppa696/696quali.htm>
2. <http://www.uxmatters.com/mt/archives/2012/09/strengths-and-weaknesses-of-quantitative-and-qualitative-research.php#sthash.VRH5Y5HU0.dpuf>
3. Hancock PA, Szalma JL (2004) On the relevance of qualitative methods for ergonomics. *Theor Issues in Ergon Sci* 5: 499-506.
4. Matveev AV (2002) The advantages of employing quantitative and qualitative methods in intercultural research: practical implications from the study of the perceptions of intercultural communication competence by American and Russian managers. *Russian Journal of Communication* 168: 59-67.

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