



The Vital Role of Research Methodology in Addressing the Research Questions

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Received: 25 February 2022 / Accepted: 28 February 2022 / Published: 01 March 2022

Research methodology is an essential component of the research process. It provides a structured approach to conducting research, ensures the reliability and validity of research findings, facilitates communication and collaboration, and helps to advance knowledge in a particular field. As such, it is important for researchers to carefully consider the research methodology and select the most appropriate method to ensure that the study yields meaningful and accurate results.

Research methodology refers to the process of designing, conducting, and analyzing research studies. It is an essential component of the research process as it guides the researcher in the collection, analysis, and interpretation of data. From a researcher's point of view, the choice of research methodology can have a significant impact on the outcome of the study as it is critical in ensuring the validity, reliability, and generalizability of research findings. Research methodology encompasses a wide range of techniques and procedures, including research design, data collection, data analysis, and interpretation of results, ensuring that the research is conducted in a systematic, rigorous, and valid manner. Without a clear and well-defined research methodology, researchers run the risk of producing results that are inaccurate, unreliable, or biased.

Research methodology plays a vital role in addressing research questions that often requires the integration of multiple disciplines and the use of innovative research methods. Research methodology provides a systematic framework for planning, executing, and analyzing research studies. Selecting appropriate research methods is essential for producing accurate and reliable results as it helps in guiding the research process and ensuring that research is conducted in a rigorous and systematic manner.

Research methodologies have evolved over time in response to a variety of factors such as changes in the research environment, advancements in technology, and new developments in research theory and practice, etc. With the advancement in technologies, it is likely that new research methodologies and techniques will get developed that will continue to refine and improve the research process.

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How to Cite this Article: A. A. Bahishti, "The Vital Role of Research Methodology in Addressing the Research Questions", *Int. J. Methodol.*, vol. 1, no. 1, pp. 1–1, Mar. 2022. <https://doi.org/10.21467/ijm.1.1.2016.29>



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