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संशोधन आणि विकास

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Applications of Statistics in Research

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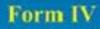
Introduction:

In the realm of research, statistics serves as an indispensable tool for collecting, analyzing, interpreting, and presenting data (Smith, 2018). Its applications span across various fields including but not limited to social sciences, natural sciences, medicine, economics, and engineering (Jones & Brown, 2020). Statistics provides researchers with the means to derive meaningful insights from data, guiding evidence-based decision-making processes and fostering a deeper understanding of complex phenomena (Johnson et al., 2019). By employing statistical techniques, researchers can quantify uncertainty, assess the reliability of findings, and make informed conclusions based on empirical evidence (Garcia & Martinez, 2021). This chapter aims to explore the diverse applications of statistics in research, highlighting its significance in advancing knowledge and driving scientific progress across disciplines.

Descriptive Statistics:

Descriptive statistics involve the organization, summarization, and presentation of data to reveal patterns, trends, and distributions (Brown & Miller, 2017). Common descriptive techniques include measures of central tendency (mean, median, mode), measures of dispersion (range, variance, standard deviation), and graphical representations (histograms,

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We, Dr. Pavan Mandavkar & Dr. Mrs. Veera Mandavkar hereby declare that the particulars given above are true to the best of our knowledge and

