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how it works potential challenges real world applications applied research refers to scientific study and research that seeks to solve practical problems this type of research plays an important role in solving everyday problems that can have an impact on life work health and overall well being applied research is relevant in different fields of study especially science and social science related fields examples of applied research can be seen in medicine education business engineering psychology and health and these would be further explicated below in contrast to basic research which focuses on making theories that explain things applied research focuses on describing evidence to find solutions in the applied study the researcher uses qualitative and quantitative methods to collect data such as questionnaires interviews and observation methods ai aims to provide the abilities of perception cognition and decision making for machines at present new research and applications in information science are emerging at an unprecedented rate which is inseparable from the support by the ai infrastructure revised on november 20 2023 by pritha bhandari a research design is a strategy for answering your research question using empirical data creating a research design means making decisions about your overall research objectives and approach whether you ll rely on primary research or secondary research applications of research research has a wide range of applications across various fields and industries here are some examples medicine research is critical in developing new treatments and drugs for diseases researchers conduct clinical trials to test the safety and efficacy of new medications and therapies in a typical application of the scientific method a researcher develops a hypothesis tests it through various means and then modifies the hypothesis on the basis of the outcome of the tests and experiments applied science is the use of the scientific method and knowledge obtained via conclusions from the method to attain practical goals it includes a broad range of disciplines such as engineering and medicine basic research its application and benefits it

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