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# Machine Learning in Mechanical Devices: Current Scenario and Future Aspects

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Machine Learning is an application of artificial intelligence (AI) that provides the systems with the ability to learn and improve from experience without being explicitly programmed. Machine Learning (ML) focuses on the development of executable computer code that can access data and use it to learn for themselves. This paper describes the birth and growth of ML, software learning and robot learning, how ML changes the way of real-world problem solving, and the techniques used to implement ML in robotics (Robot Learning). The concept of data science evolves with ML as it generalizes knowledge from data. ML provides an answer to why things work the way they do and how to solve non-standard problems in the real world. This paper emphasis on current scenario and future aspect of ML to formulate reinforcement learning for applying it in noisy, dynamic domains also shedding light on the growth of robot learning around the world and the applications in different sectors and by different companies.