

# Reinforcement Learning

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# Overview

- What is reinforcement learning?
- Applications of reinforcement learning
- How does reinforcement learning work?

# What is Reinforcement Learning?

Reinforcement learning is a type of machine learning algorithm that learns by interacting with its environment and receiving feedback in the form of rewards. It is used to solve problems that involve making decisions based on incomplete or uncertain information.

# Applications of Reinforcement Learning

Some examples of applications of reinforcement learning include:

- Robotics
- Game playing (e.g. chess, Go)
- Control of complex systems (e.g. traffic control)
- Healthcare

# How Does Reinforcement Learning Work?

Reinforcement learning algorithms learn by trial and error, through a process known as reinforcement. At each step, the algorithm takes an action and receives a reward or punishment based on the outcome. Over time, the algorithm learns to take actions that maximize the reward.

*Thank you!*

# The Truth



generate a latex beamer on reinforcement learning



Here is a basic LaTeX Beamer template for a presentation on reinforcement learning:



```
Copy code

\documentclass{beamer}

\usetheme{Berlin}

\title{Reinforcement Learning}
\author{Your Name}
\institute{Your Institution}

\begin{document}

\begin{frame}
\titlepage
\end{frame}

\begin{frame}
\frametitle{Overview}

\begin{itemize}
\item What is reinforcement learning?
\item Applications of reinforcement learning
\item How does reinforcement learning work?
\end{itemize}

\end{frame}

Try again
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