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Introduction to Machine Learning  
Machine Learning (ML) is a branch of Artificial Intelligence that focuses on building systems that can  
learn from and make decisions based on data. ML algorithms allow computers to find hidden insights  
without being explicitly programmed where to look. There are various types of ML, the most common  
being supervised, unsupervised, and reinforcement learning.  
Type Description Example  
Supervised learning Learning from labeled data Email Spam Detection  
Unsupervised learning Learning hidden patterns in Customer Segmentation  
data  
Reinforcement learning Learning with rewards and Chess Playing Bot  
punishments

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E m a i l S p a m D e t e c t i o n

U n s u p e r v i s e d l e a r n i n g  
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R e i n f o r c e m e n t l e a r n i n g  
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