

Assignment 1 - Machine Learning Overview

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1. Introduction

Artificial intelligence and machine learning have transformed modern technology. This paper provides an excellent analysis of key concepts and applications.

2. Analysis

Supervised learning uses labeled datasets to train algorithms to classify data or predict outcomes accurately. Examples include spam detection and image recognition. Unsupervised learning finds hidden patterns without pre-existing labels. Deep learning, a subset of ML, uses neural networks with multiple layers.

3. Conclusion

Machine learning continues to evolve with new algorithms and applications. Future developments will further integrate AI into daily life and business.