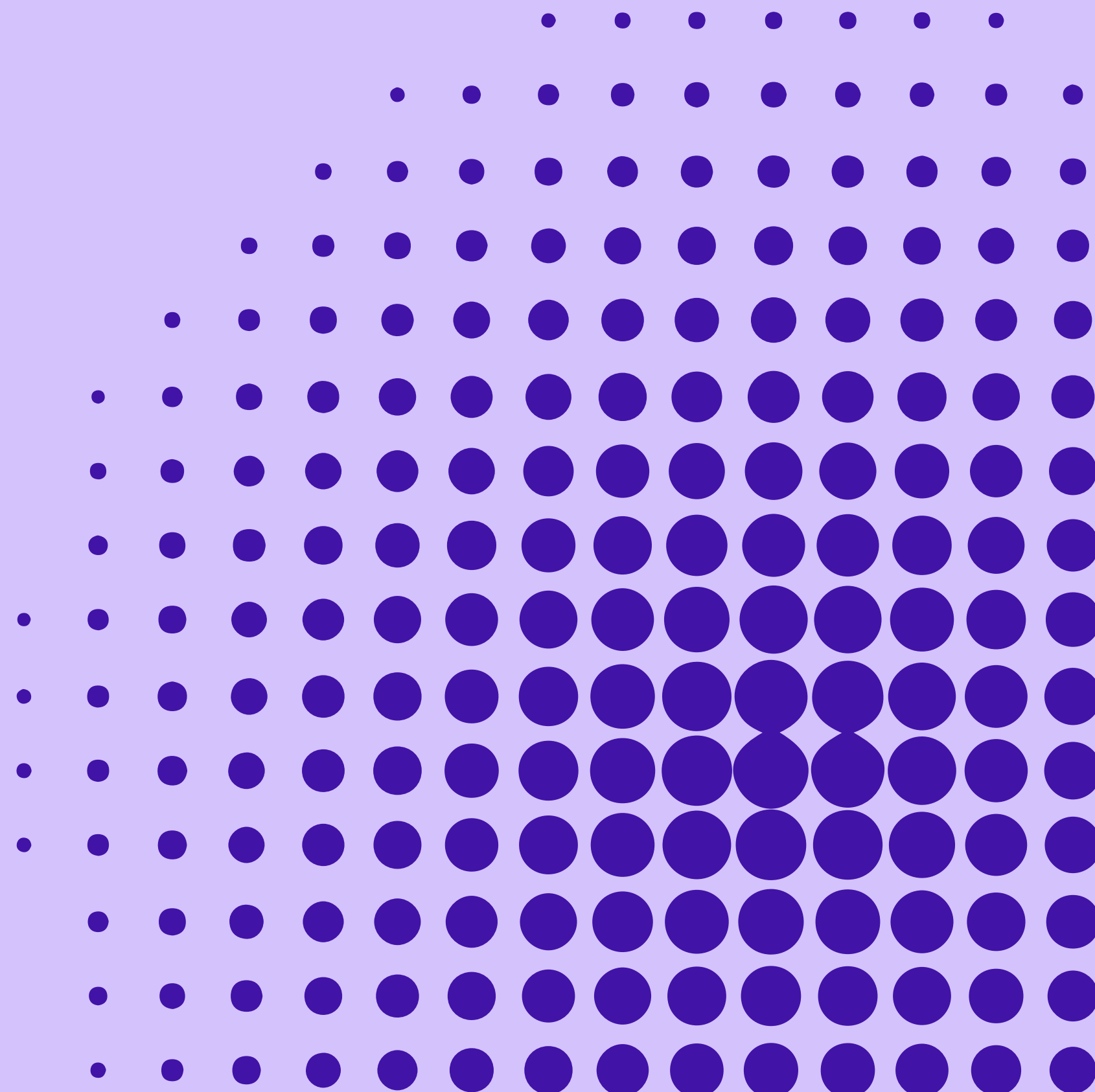




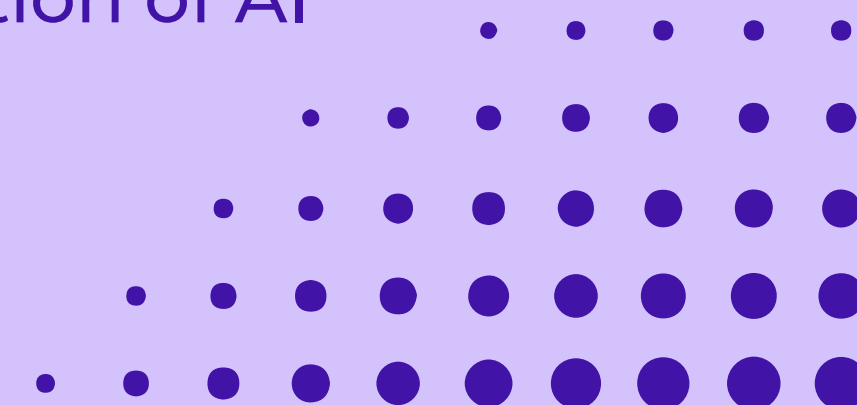
# Introduction to AI and Machine Learning





# What is Artificial Intelligence (AI)?

- The simulation of human intelligence in machines
- Voice assistants, recommendation systems, autonomous vehicles
- History and evolution of AI





# Categories of AI

- Narrow AI
- General AI







# What is Machine Learning?

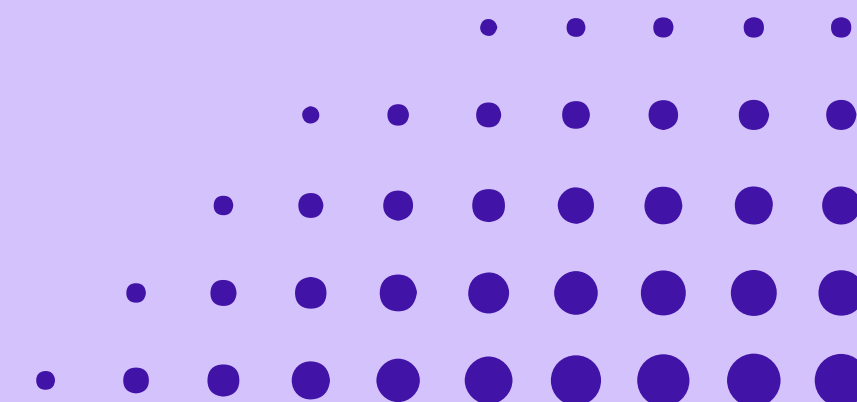
- A subset of AI that
- Learns from data to make decisions with minimal human intervention
- Examples





# Key Concepts in Machine Learning

- Supervised Learning
- Unsupervised Learning
- Reinforcement Learning

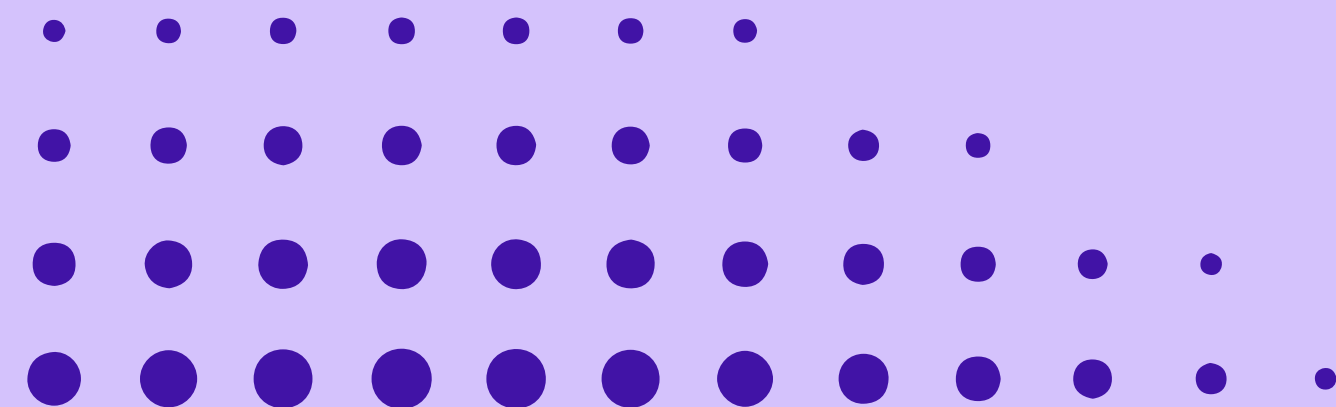






# What is Deep Learning?

- a subset of machine learning
- Neural networks
- Examples where deep learning excels







# AI vs. Machine Learning vs. Deep Learning

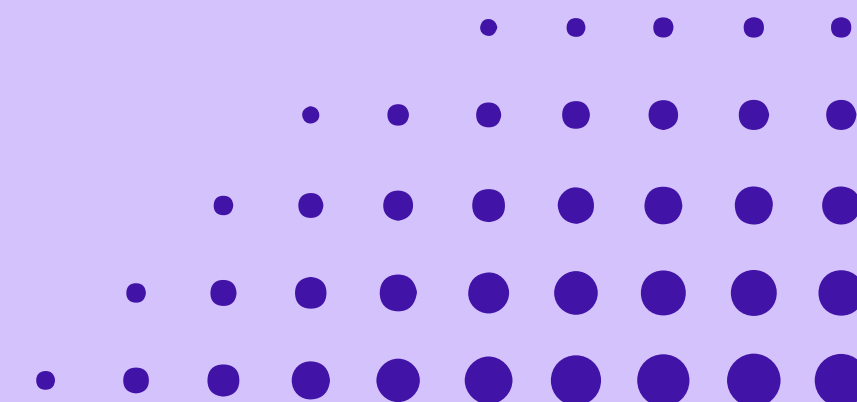
- Key differences in
  - Capabilities
  - Applications
  - Complexities





# Challenges and Ethical Considerations

- Data privacy, bias, and ethical use
- Responsible AI development and usage

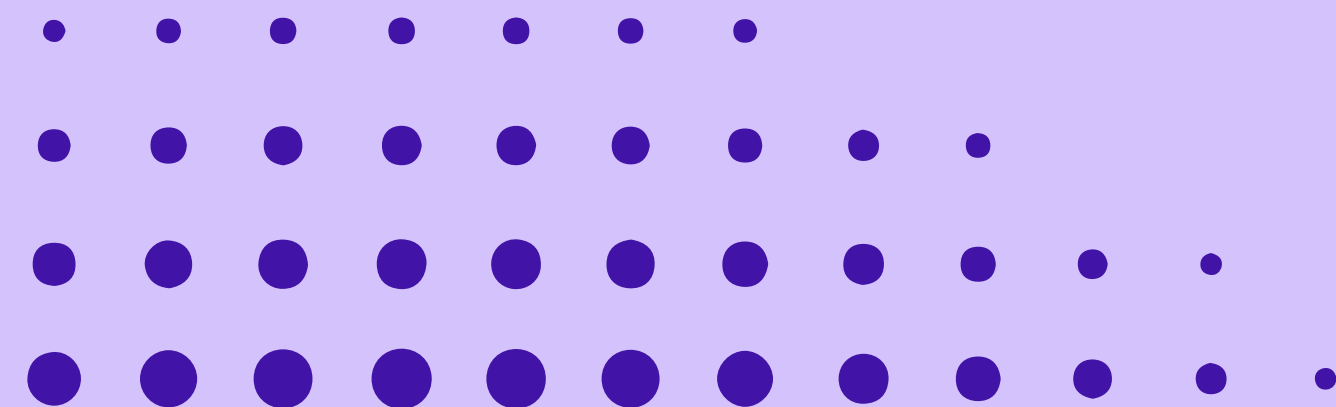






# The Future of AI and Machine Learning

- Emerging trends
- Potential impacts







# Recap and Discussion

- Key terms
- Questions





# Thank You

