

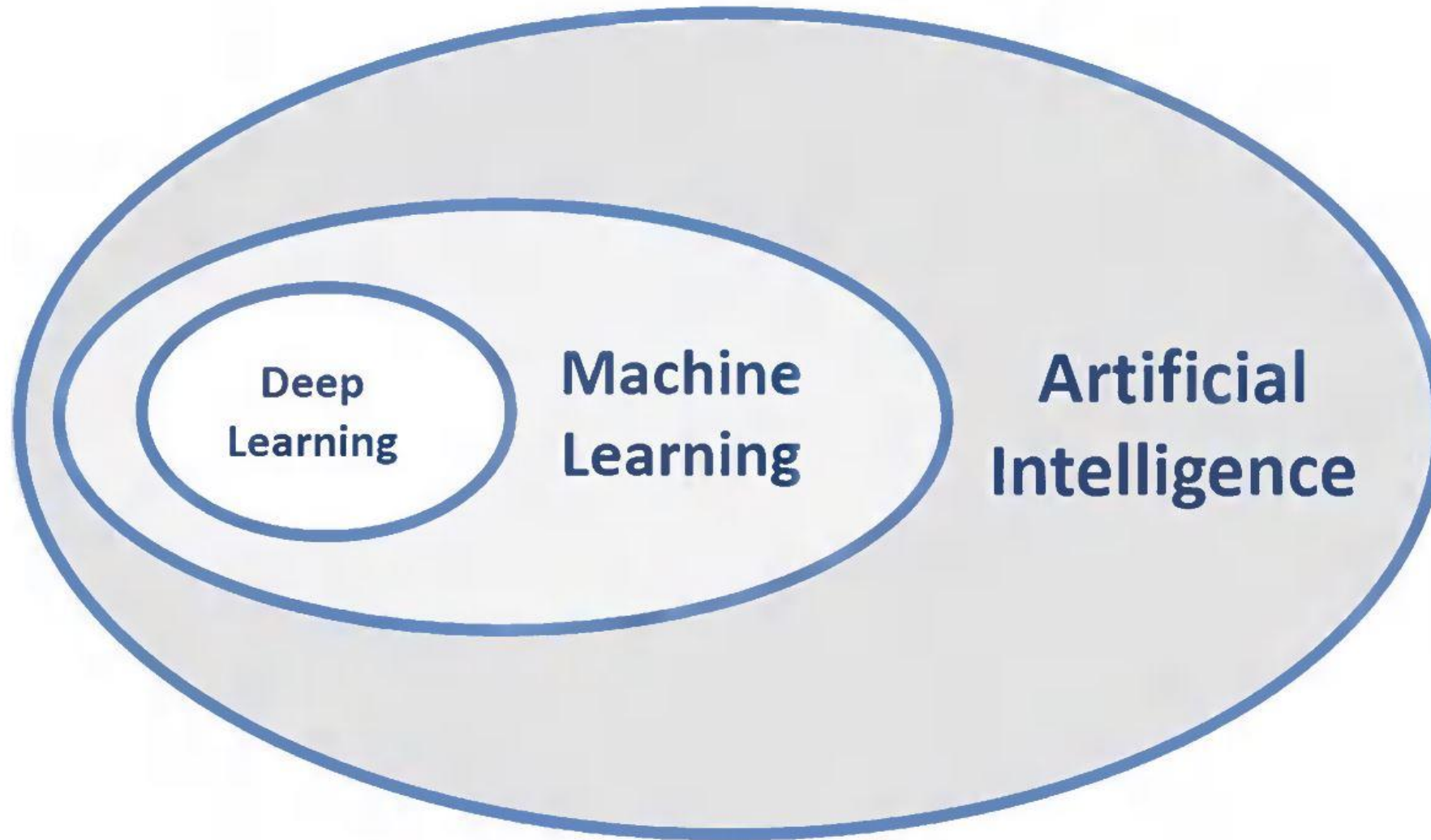
# Современные нейросетевые технологии

## Modern Deep Learning

Лекция 1. Введение в современные нейросети.

1. Задачи, решаемые с помощью нейросетей.
2. Жизненный цикл DL проекта и основные роли исполнителей.

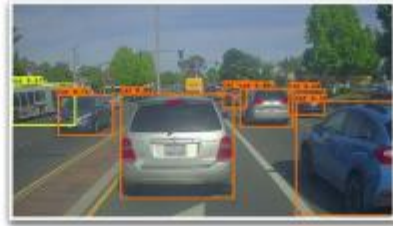
# AI subsets



# Challenge examples



Optimal goalkeeper shoot prediction



Car detection



Face recognition



Art generation



Music generation



Text generation

"I love you"



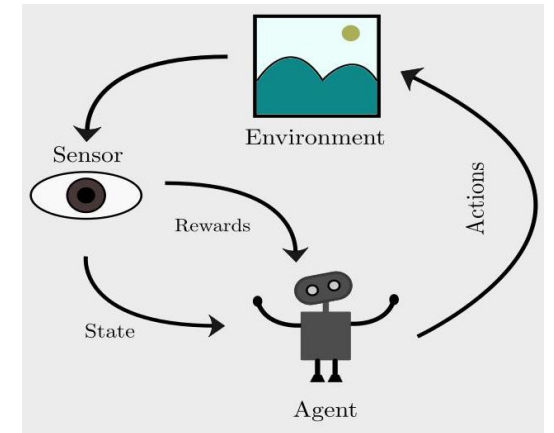
Emojifier



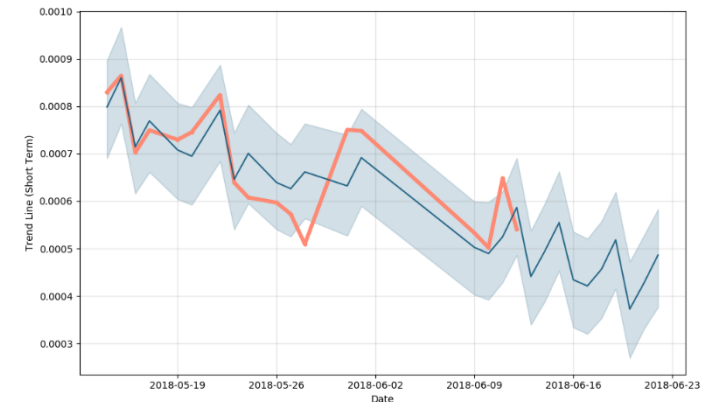
Machine translation



Trigger word detection

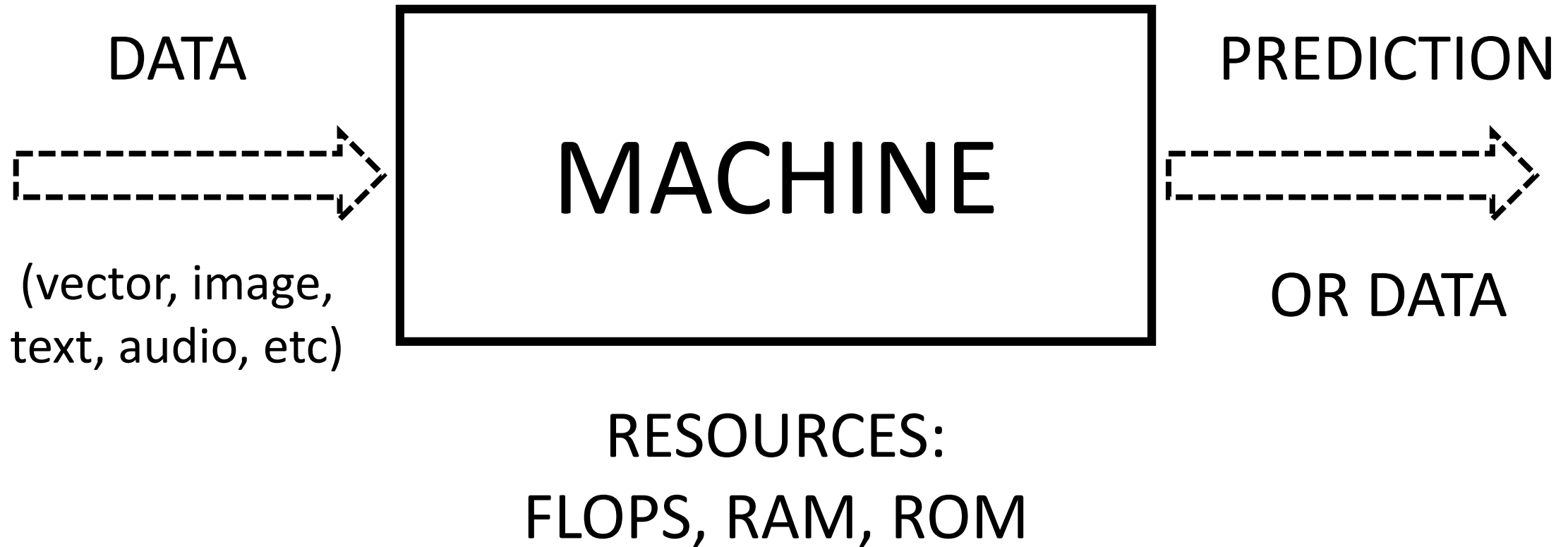


Reinforcement learning

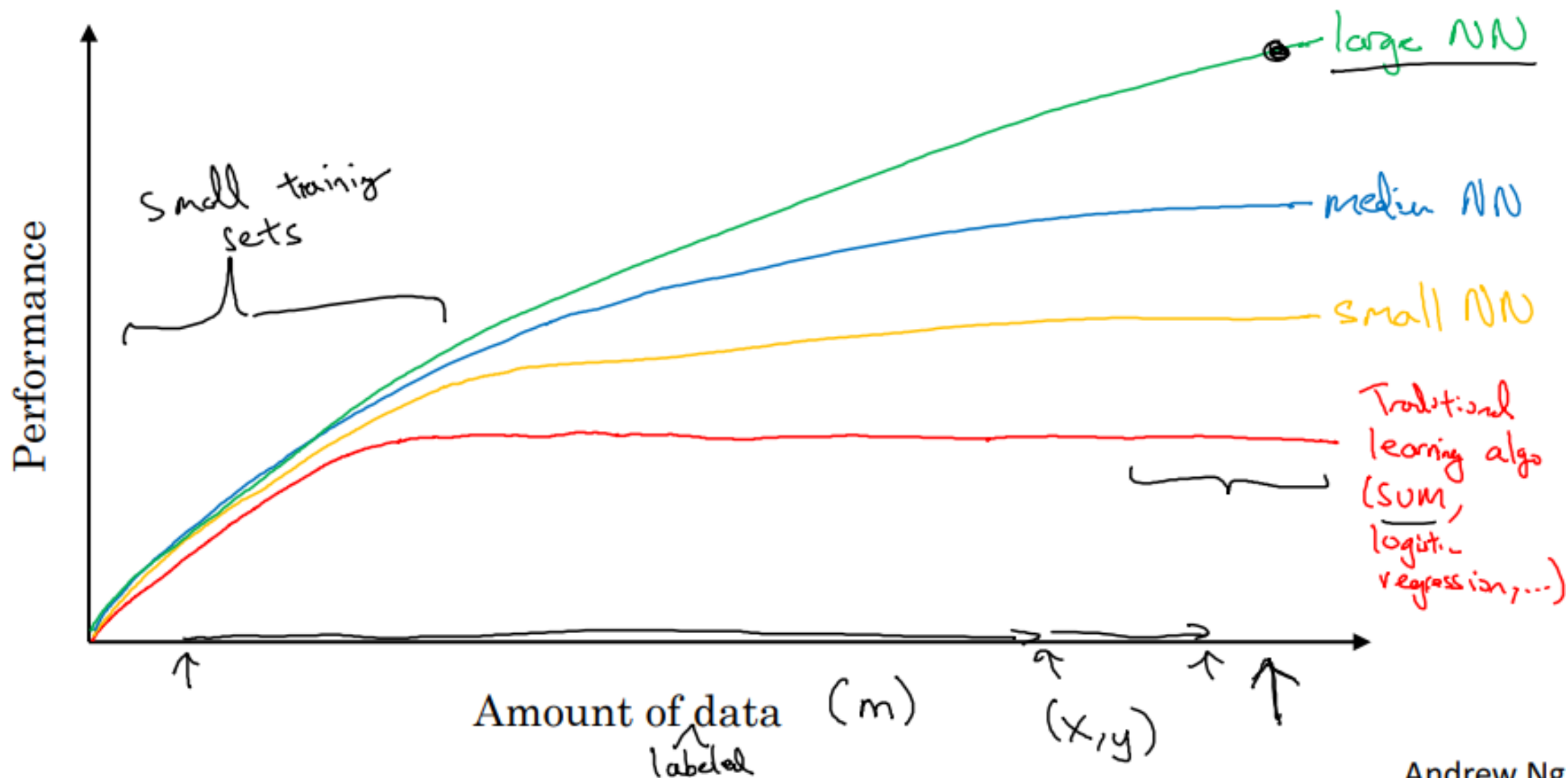


Price prediction

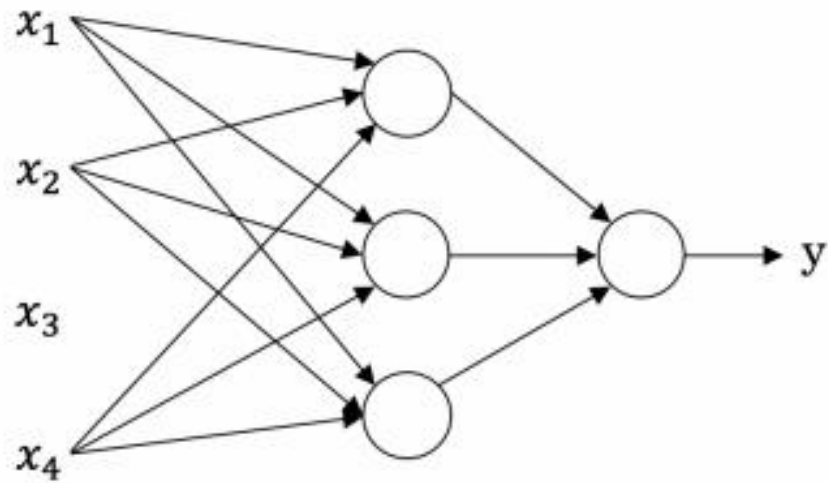
# Machine solves real problems



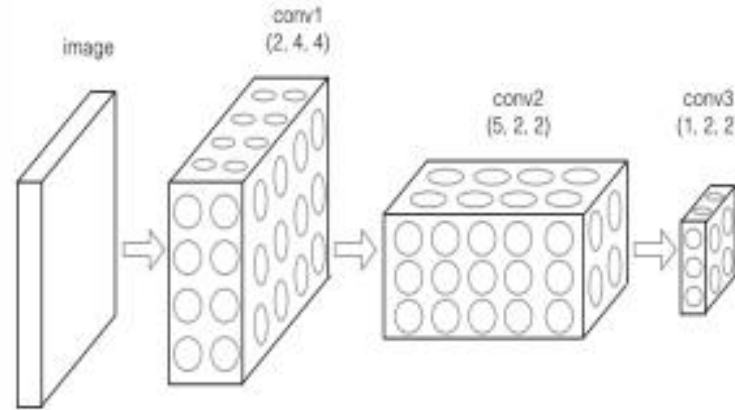
# Scale drives deep learning progress



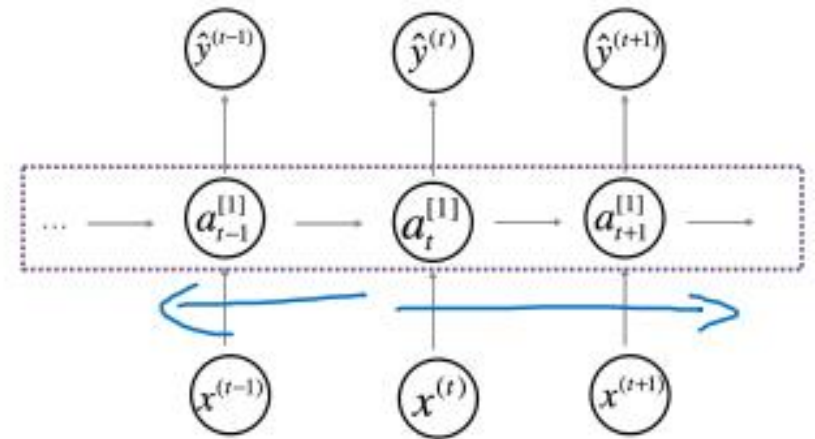
# Neural Network examples



Standard NN

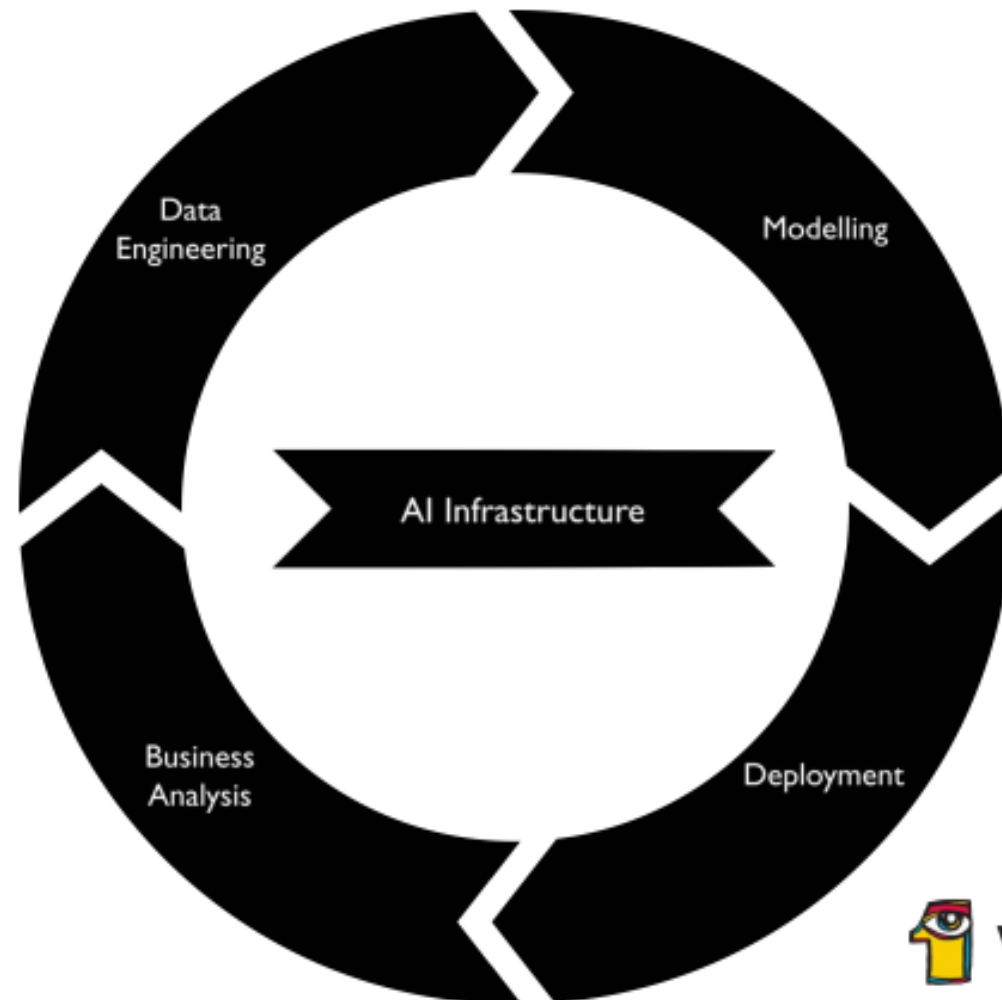


Convolutional NN

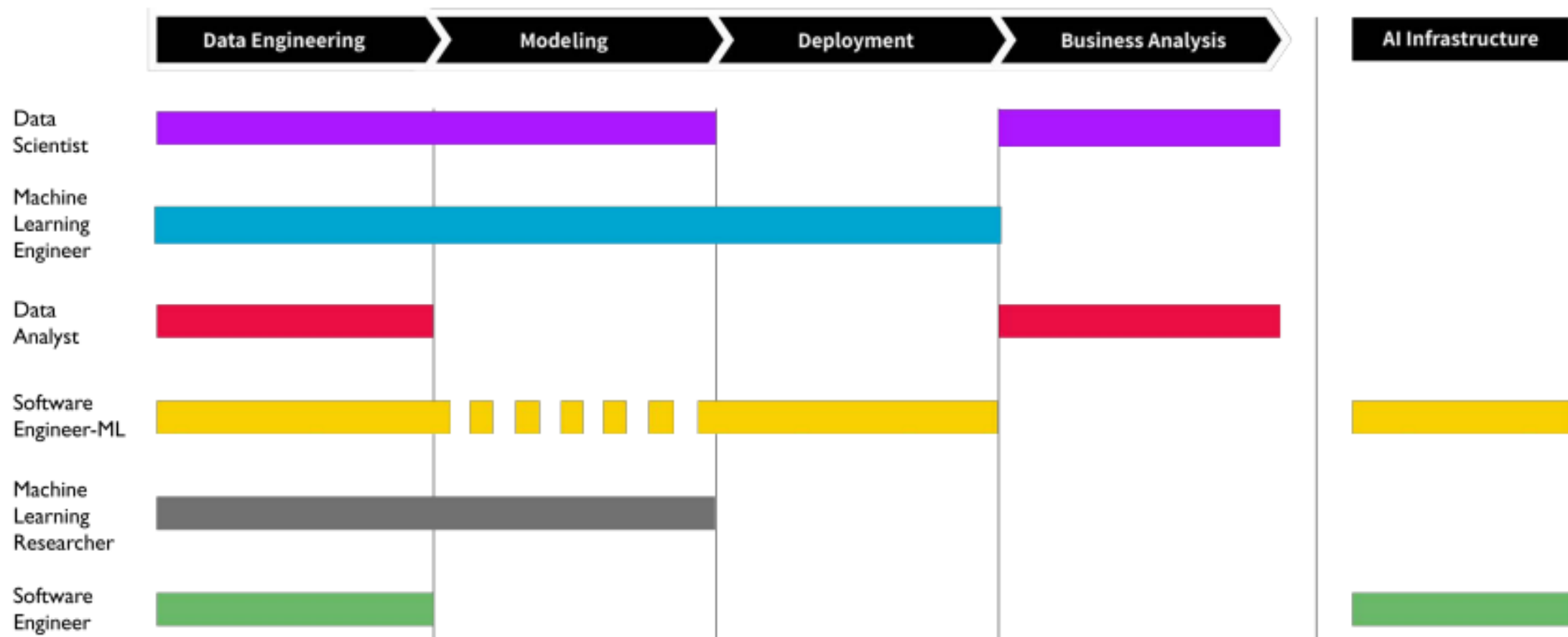


Recurrent NN

# The AI project development lifecycle



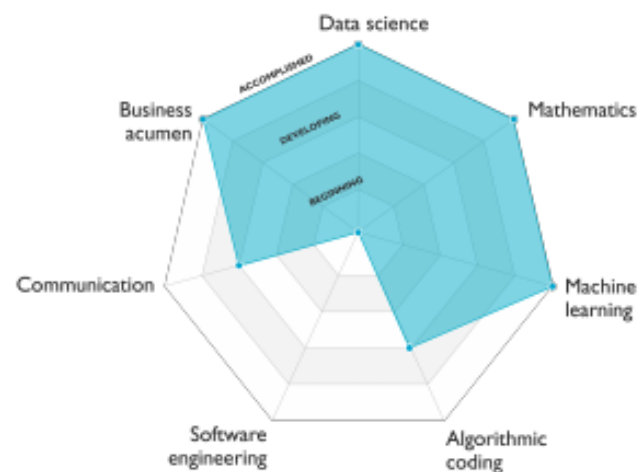
# What technical roles make up an AI team



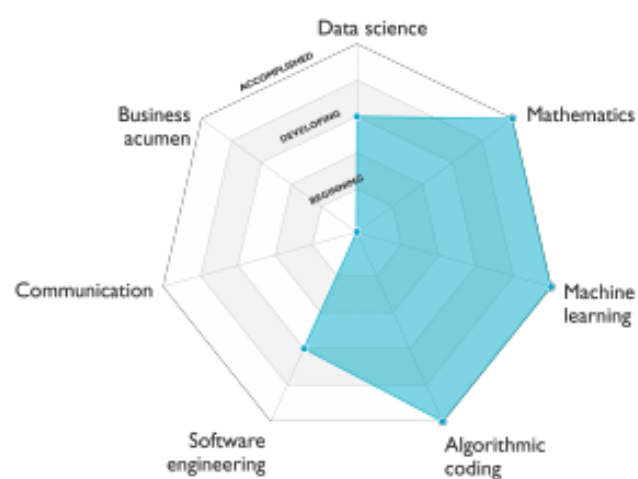
**WORKERA**

a deeplearning.ai company

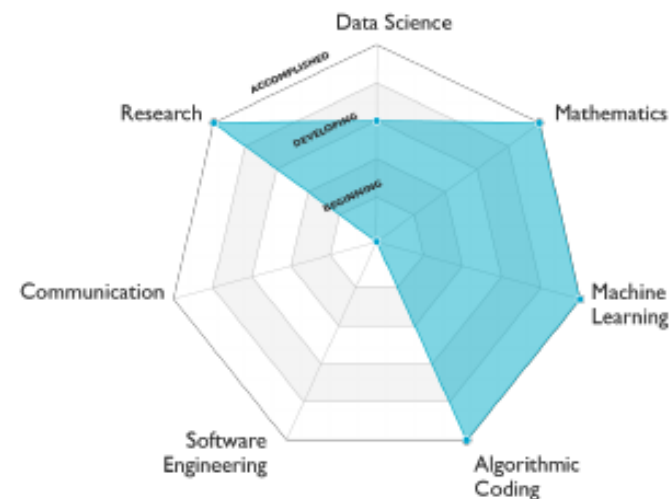




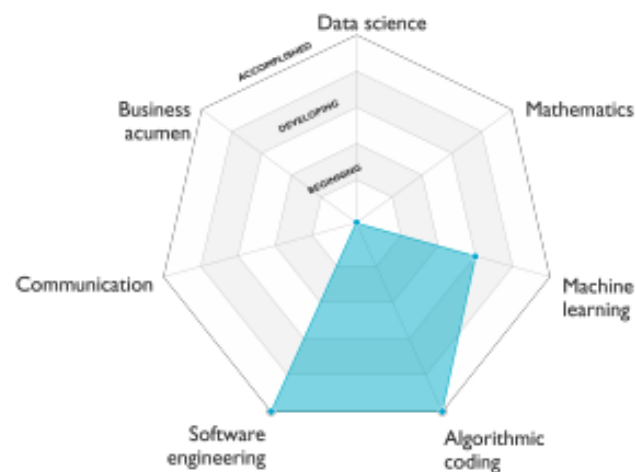
**Data Scientist**



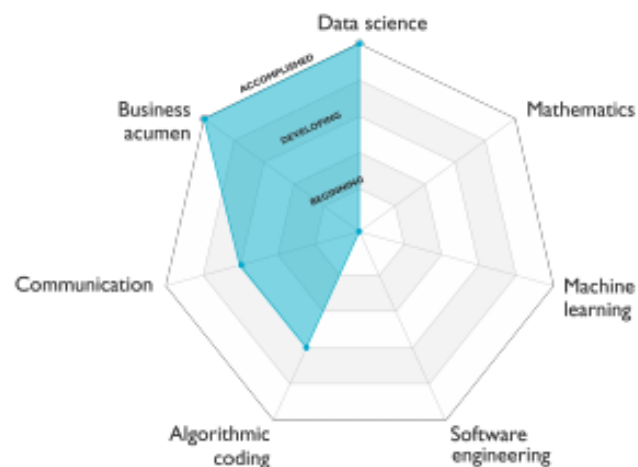
**Machine Learning Engineer**



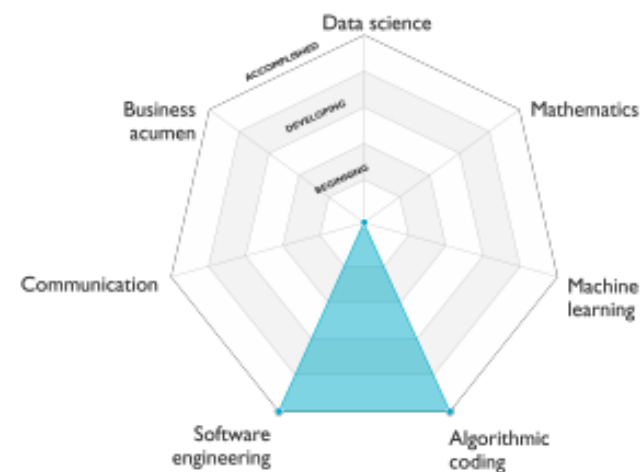
**Machine Learning Research**



**Software Engineer-Machine Learning**



**Data Analyst**



**Software Engineer**