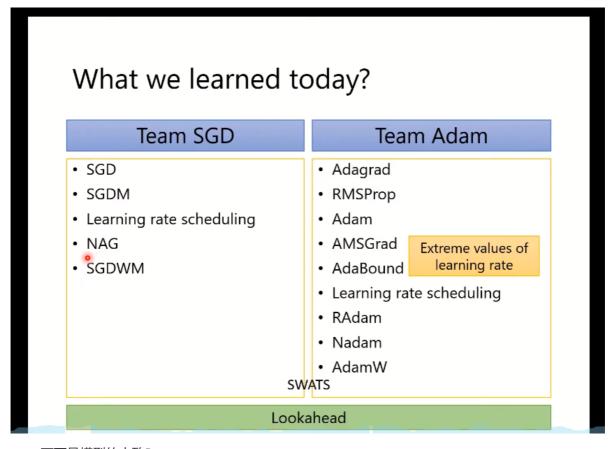
# 机器学习的Optimization

• 不说废话,直接上图



• 下面是模型的大致Property

# What we learner today?

# SGDM Slow Better convergence Stable Smaller generalization gap Adam Fast Possibly non-convergence Unstable Larger generalization gap

# **Advices**

### **SGDM**

 Computer vision image classification segmentation object detection

## Adam

- NLP QA machine translation summary
- Speech synthesis
- GAN
- Reinforcement learning