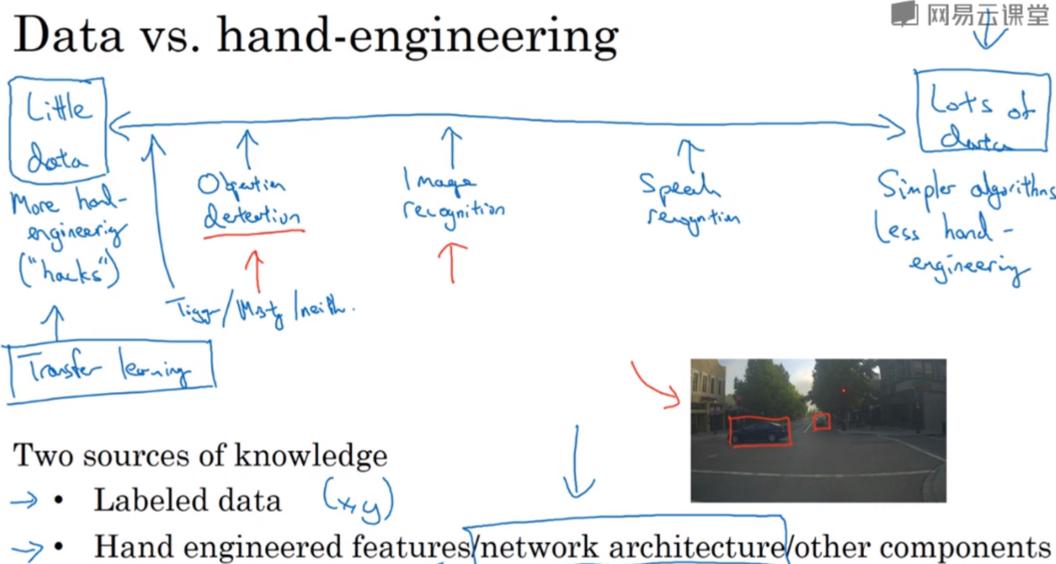


Practical advice for using ConvNets

The state of computer vision



Andrew Ng

Tips for doing well on benchmarks/winning competitions

Ensembling

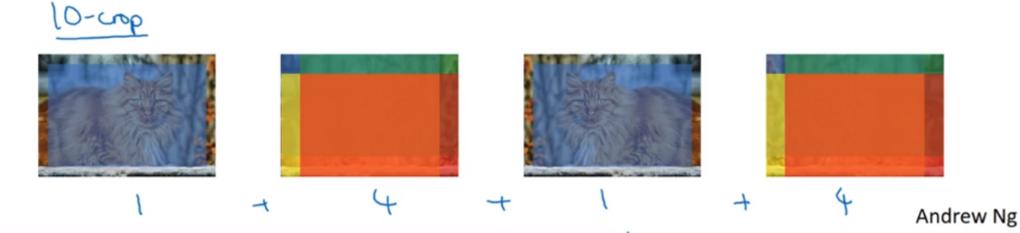




· Train several networks independently and average their outputs

Multi-crop at test time

Run classifier on multiple versions of test images and average results





Use open source code

· Use architectures of networks published in the literature

· Use open source implementations if possible

• Use pretrained models and fine-tune on your dataset