# 入门科普

<http://playground.tensorflow.org/>

用随机网络生成图案（免训练）

<https://github.com/zxytim/neural-painter>

在线demo

<http://cs.stanford.edu/people/karpathy/convnetjs/index.html>

DeepTraffic

<http://selfdrivingcars.mit.edu/deeptrafficjs/>

RNN的一些demo

<http://karpathy.github.io/2015/05/21/rnn-effectiveness/>

模型可视化

<http://yosinski.com/deepvis#toolbox>

## (没入职时看)选一即可，入职后用MegBrain/Brain++

1. Tensorflow: <https://www.tensorflow.org/> <https://github.com/ppwwyyxx/tensorpack/tree/master/examples>
2. Theano <https://github.com/goodfeli/theano_exercises> <https://github.com/Newmu/Theano-Tutorials>
3. PyTorch

## Blogs

<http://karpathy.github.io/2016/05/31/rl/> Reinforcement Learning

<http://karpathy.github.io/2015/05/21/rnn-effectiveness/> RNN

## 课程

Face++与北大元培学院联合课程（进行中）

<https://zsc.github.io/megvii-pku-dl-course/>

<http://cs231n.github.io/> Karparthy’s NN slides

<http://www.scipy-lectures.org/> 数值优化

<http://deeplearning.net/software/theano/tutorial/>

## Tutorial:

<http://danielnouri.org/notes/2014/12/17/using-convolutional-neural-nets-to-detect-facial-keypoints-tutorial/>

<https://github.com/gdb/kaggle/tree/master/denoising-dirty-documents>

<http://benanne.github.io/2015/03/17/plankton.html>

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## Open Problems

<https://openai.com/requests-for-research/>

## 工具资料

Arxiv sanity preserver

<http://www.arxiv-sanity.com/>

Trending Arxiv

<https://trendingarxiv.smerity.com/>

Sci-rate

<https://scirate.com/arxiv/cs.CV?range=1>

<https://scirate.com/arxiv/cs.LG?range=1>

vim cheat sheet

<http://vim.rtorr.com/>

<https://www.fprintf.net/vimCheatSheet.html>

tmux cheat sheet

<https://tmuxcheatsheet.com/#>

<http://cenalulu.github.io/linux/tmux/>

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# 扩展阅读

## Book

(general machine learning) <http://www.cs.ubc.ca/~murphyk/MLbook/>

<http://www.iro.umontreal.ca/~bengioy/dlbook/>

<http://distill.pub>

## Face++工作

<https://www.zhihu.com/question/26558251>

ShuffleNet: An Extremely Efficient Convolutional Neural Network for Mobile Devices

<https://arxiv.org/abs/1707.01083>