



专注于商业智能BI和大数据的垂直社区平台

揭开人工智能神秘的面纱

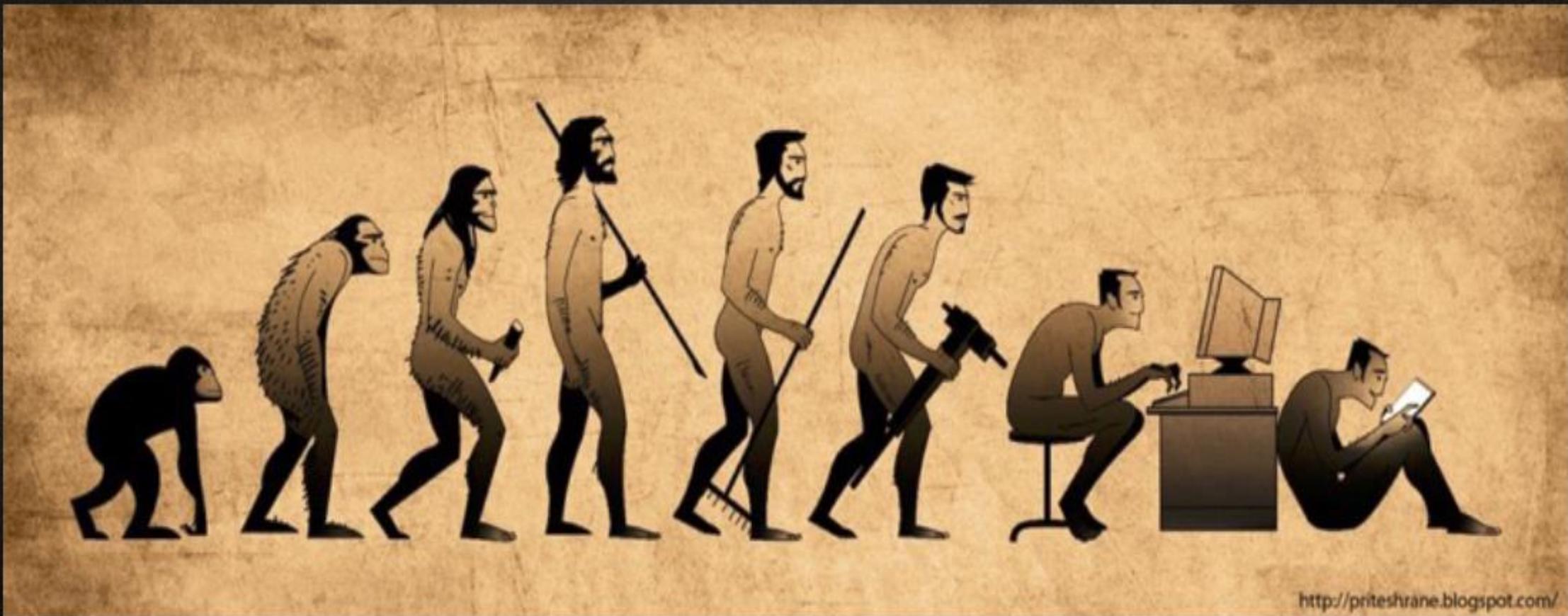
唐宇迪

揭开人工智能神秘的面纱





什么是
人工智能?



<http://priteshrane.blogspot.com/>

学习的能力，是智能的本质！

万物互联

万物智能

大数据时代





- 李世石胜利
99.99% 棋界人士
83% 中国棋迷

- AlphaGo胜利
77% 人工智能界人士

为什么围棋选手不信阿法狗呢？

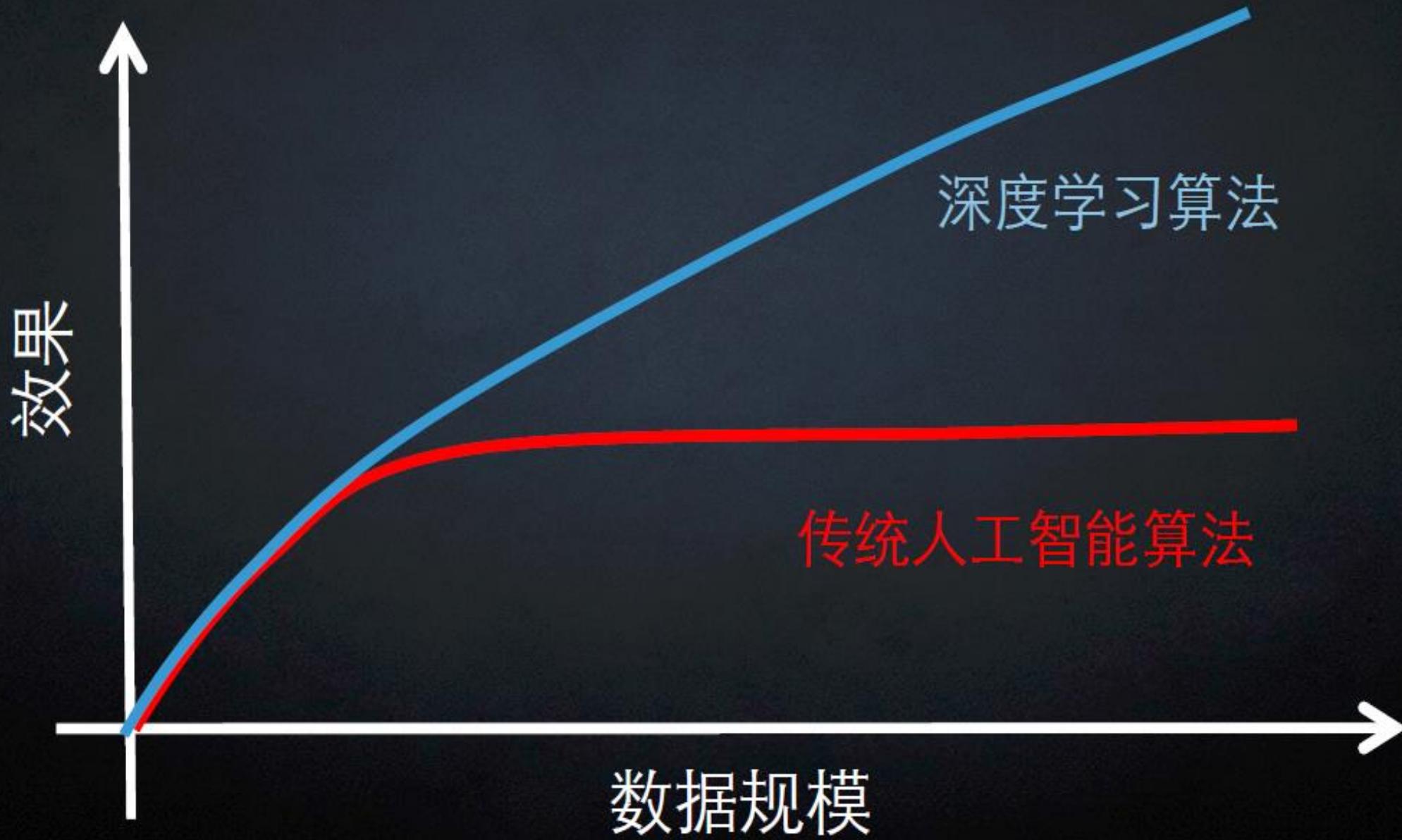
结果呢？

4:1 李世石惨败

人工智能的时代已经来临

为什么人工智能技术这么厉害？





网上抢票验证码识别



述说图片的故事



A yellow bus driving down a road with green trees and green grass in the background.



Living room with white couch and blue carpeting. The room in the apartment gets some afternoon sun.

这些字幕是深度学习程序写的



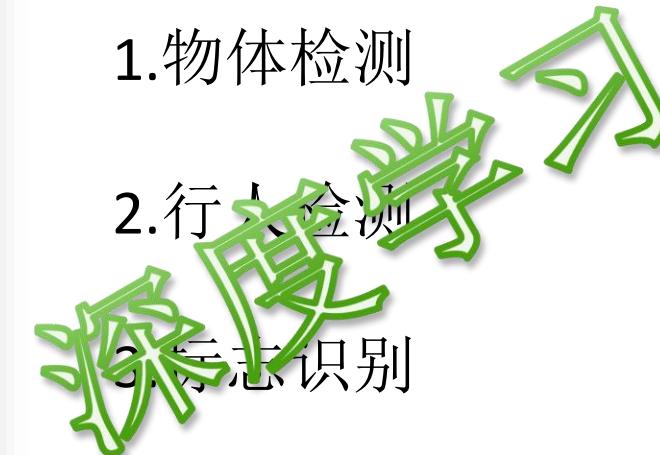
无人驾驶汽车：

1. 物体检测

2. 行人检测

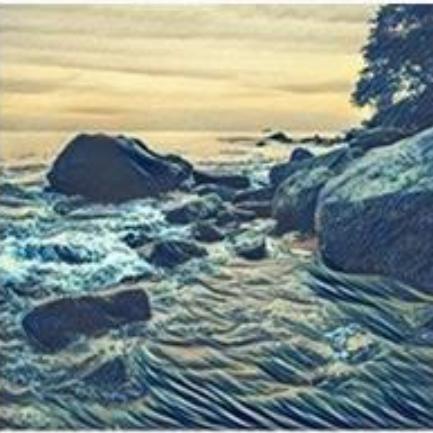
3. 导航识别

4. 速度识别



黑科技：Image Transfer

Content + Style = Interesting thing



01. Take a picture



02. Pick a style



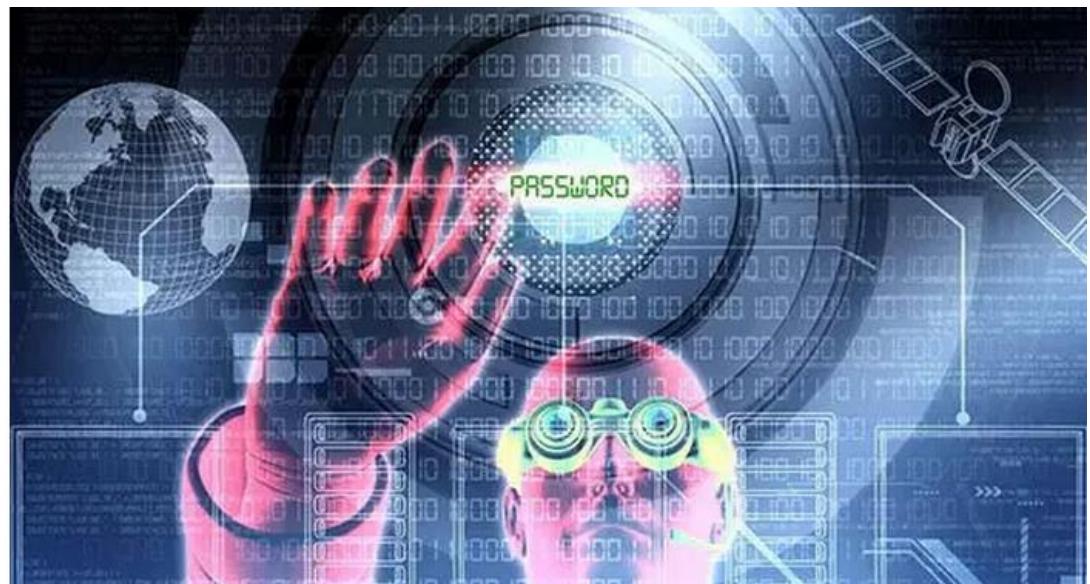
03. Enjoy the result



自然语言处理



计算机视觉



DL algorithms work well for

Supervised learning

data

X

label

$f(\cdot)$

Y



Cat/dog/...

“今天天气不错！”

“Today is a nice day”

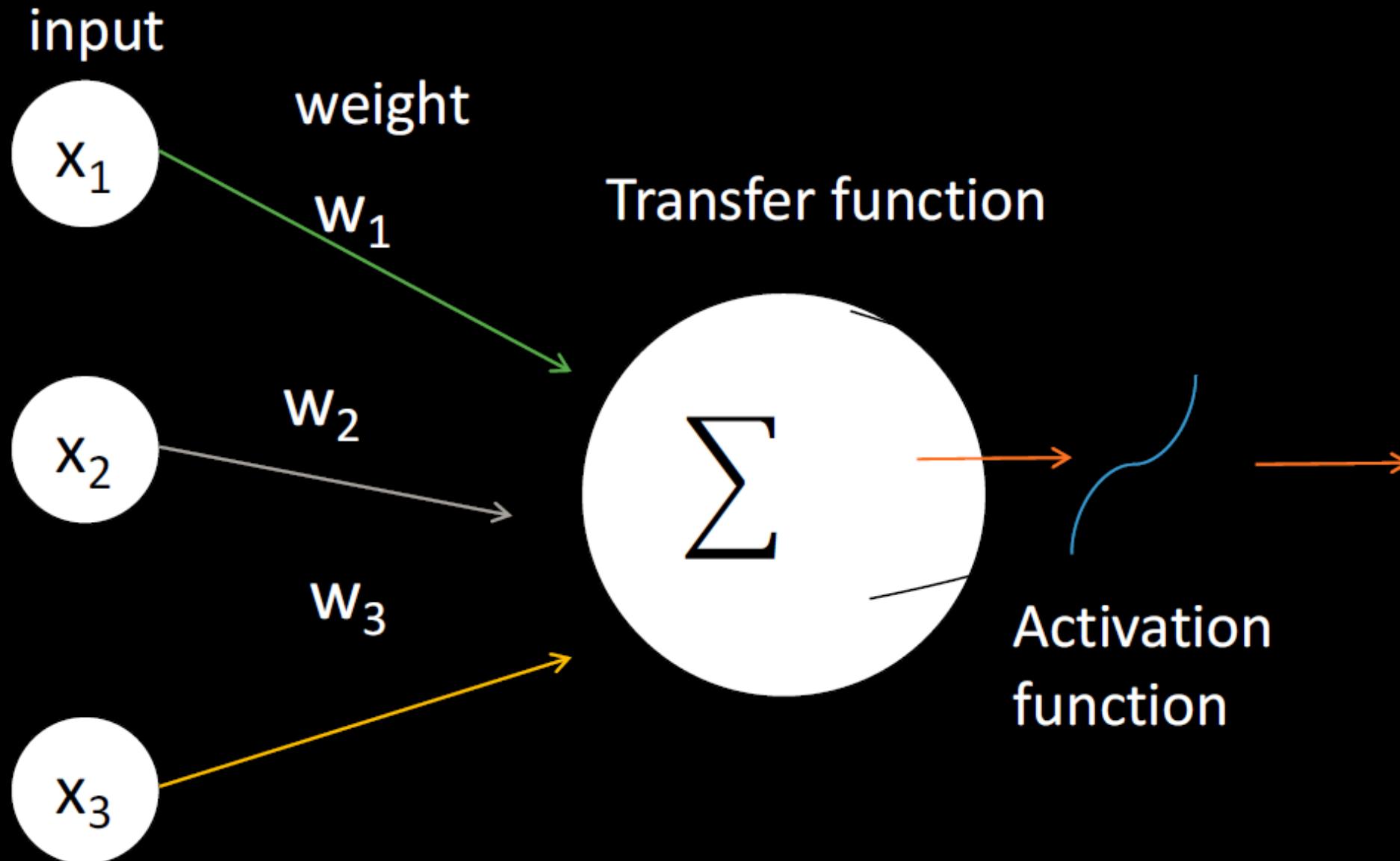


A giraffe standing next to forest



“打车去故宫”

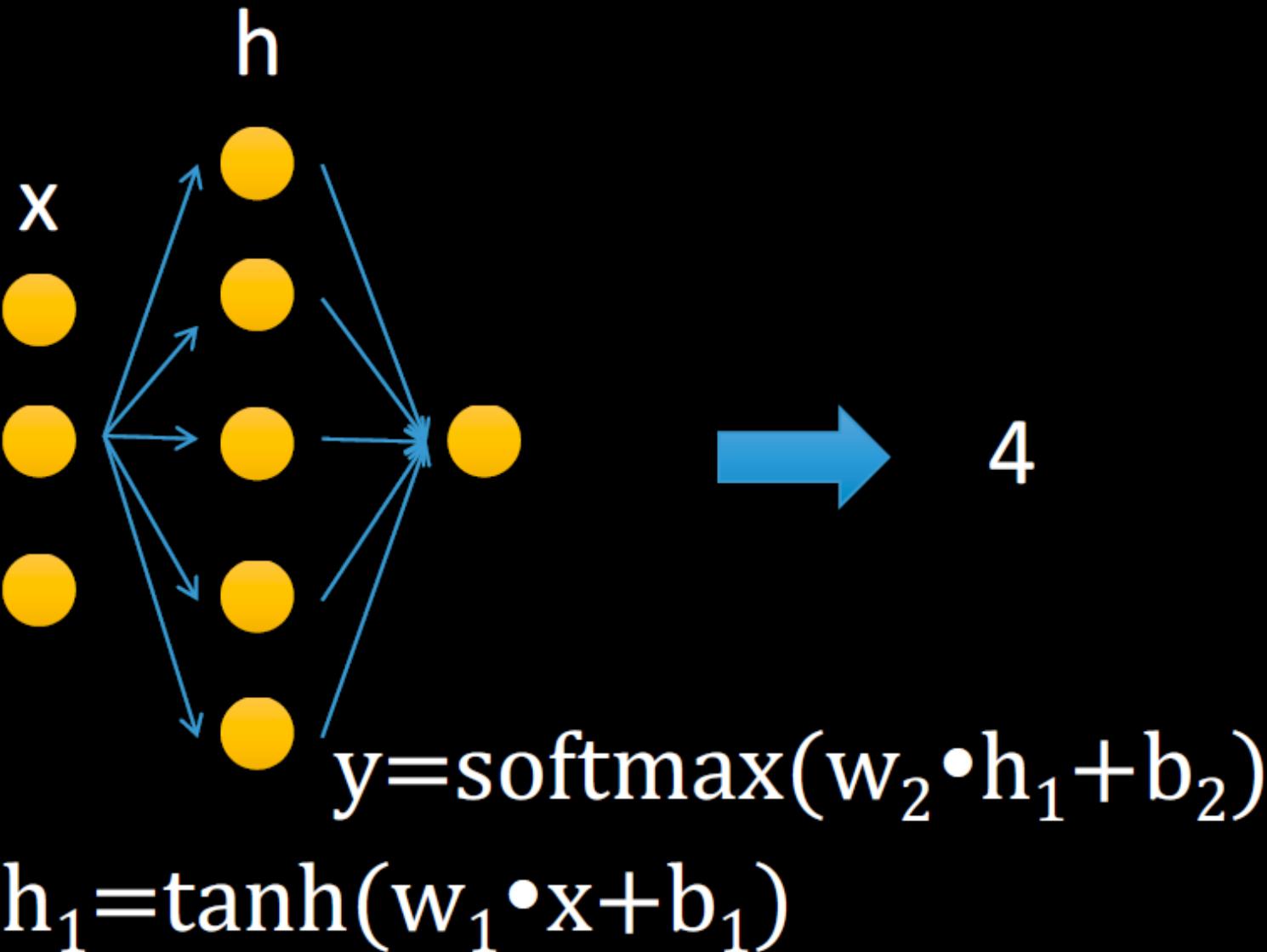
How to model a single artificial neuron?



Supervised Learning with Neural Nets

Input

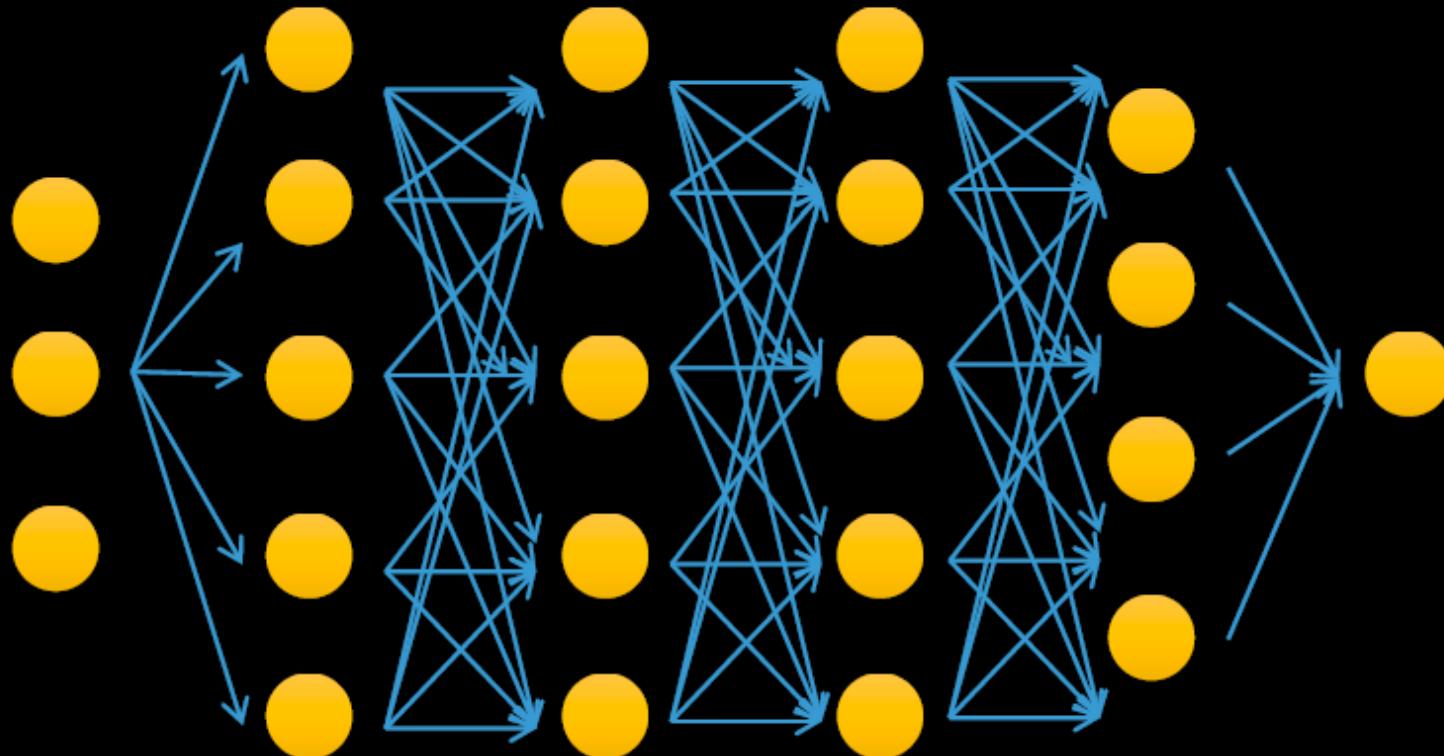
4



Deep Neural Nets

Input

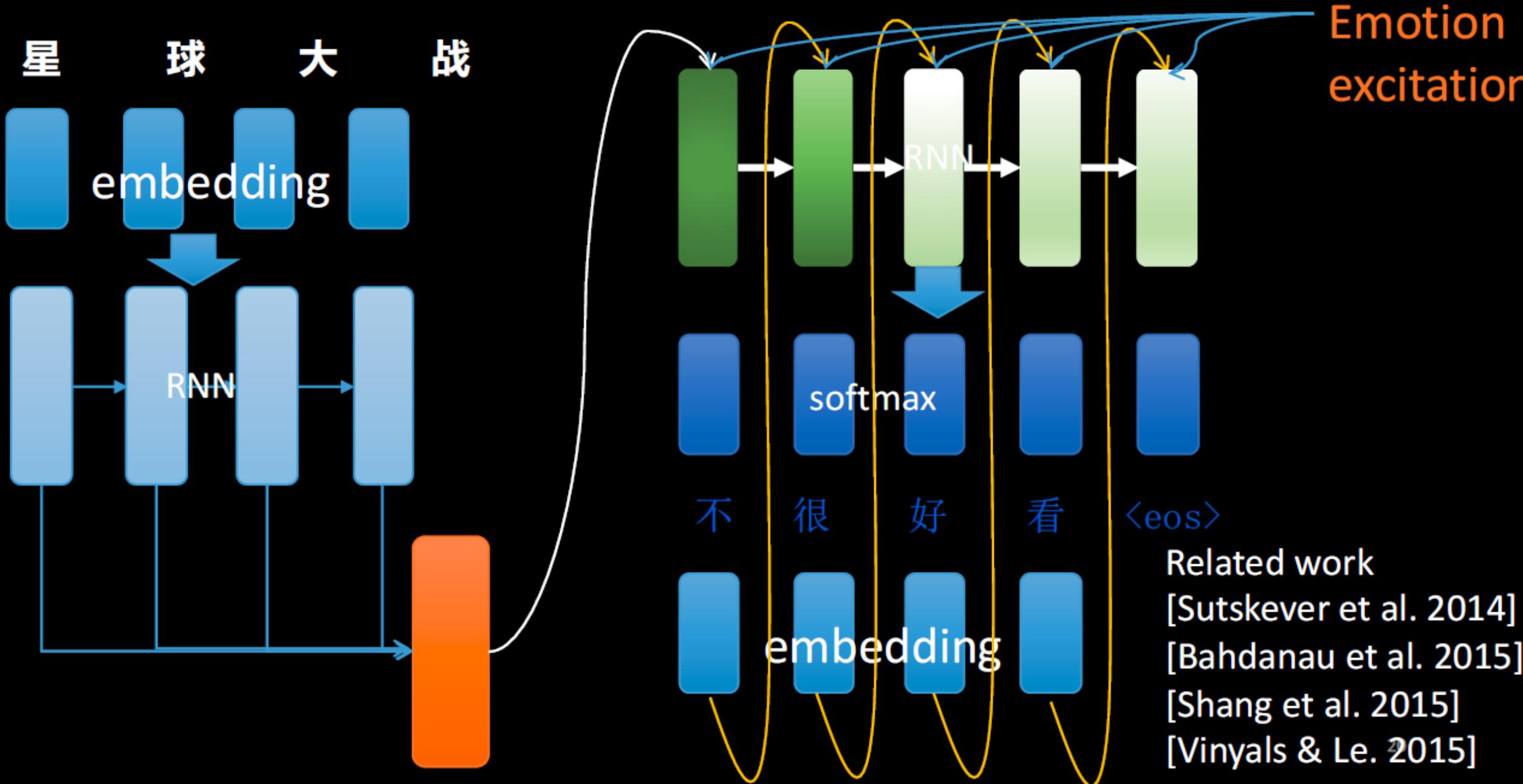
4

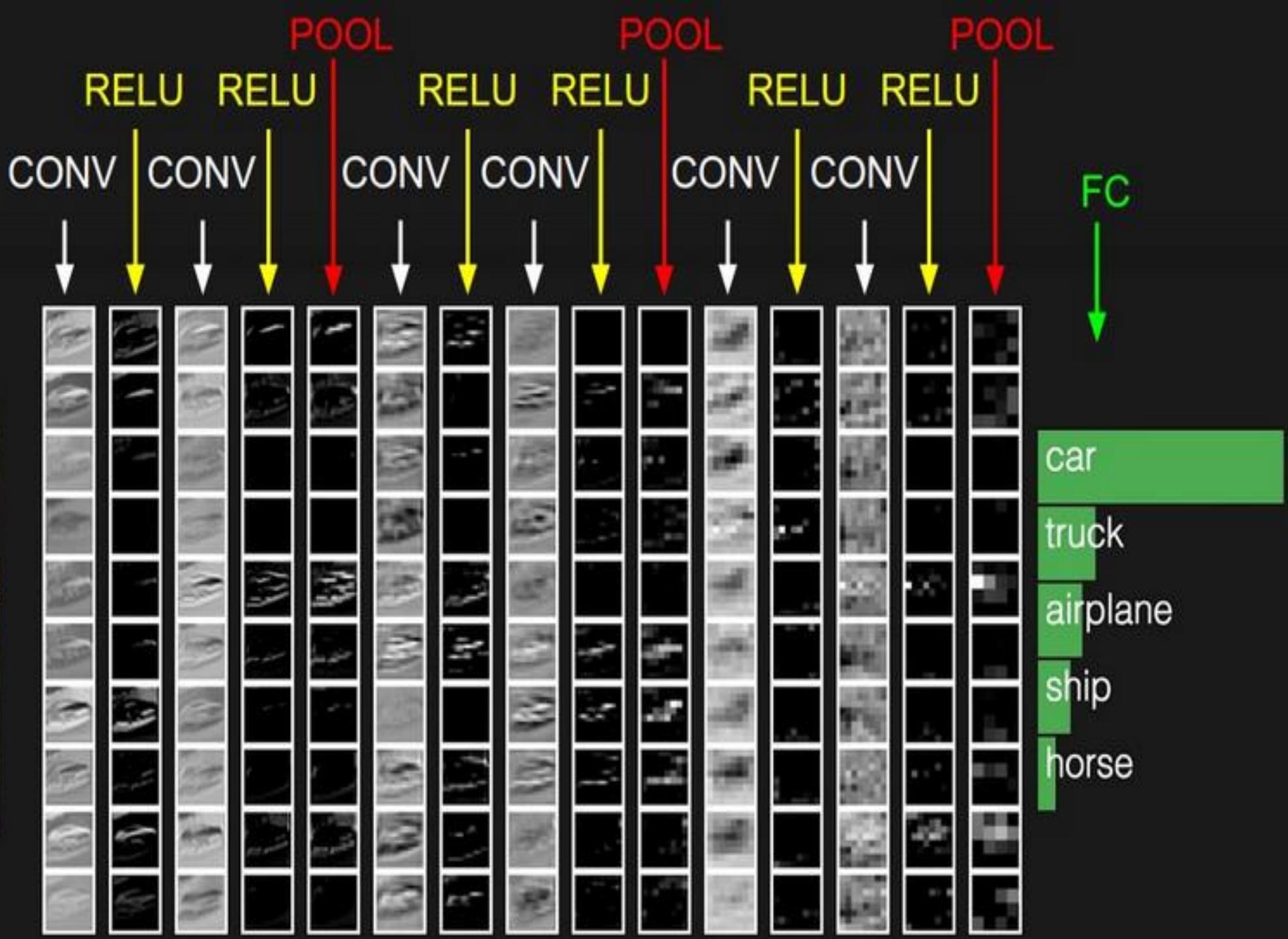


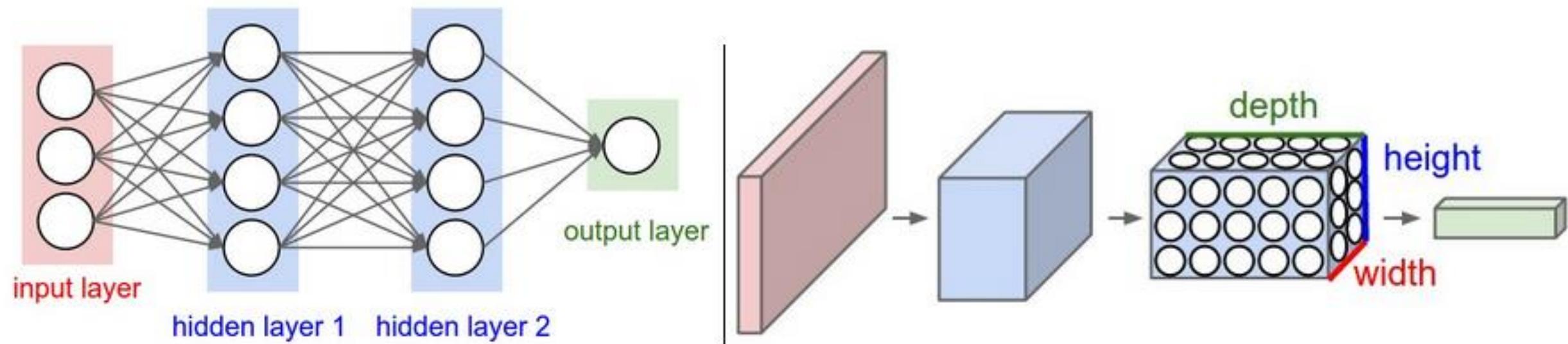
$$h_1 = \sigma_1(w_1 \cdot x + b_1)$$

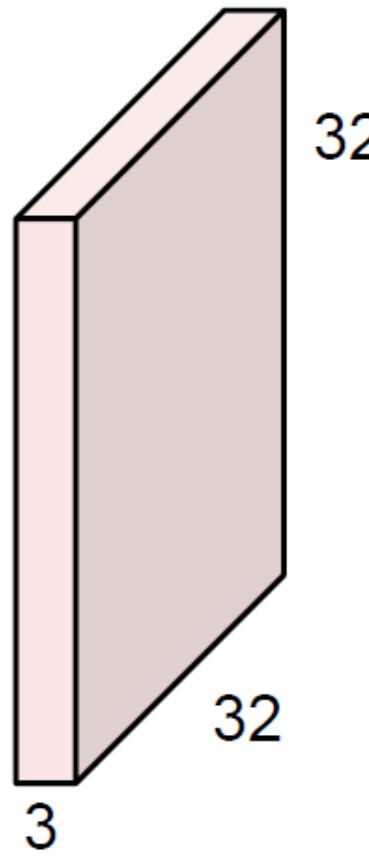
$$h_2 = \sigma_2(w_2 \cdot h_1 + b_2)$$

Generating Emotional Responses



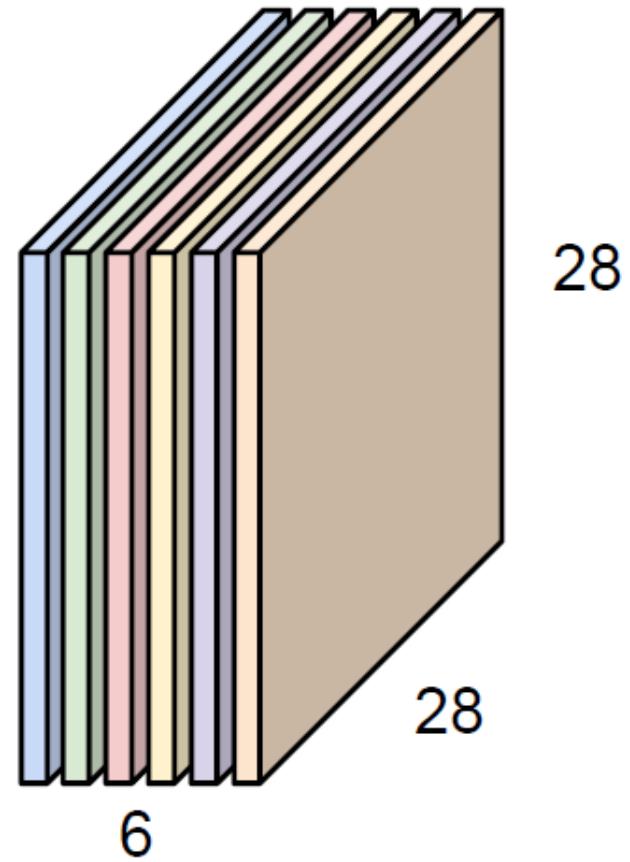






Convolution Layer

activation maps



Caffe

Written in C++

Has Python and MATLAB bindings

Good for training or finetuning feedforward models

No need to write code !

中国移动 10:49 74%

返回

直播课程

案例为师，实战为王 开启Python机器学习之路

科学规划全套课程体系，从入门到进阶，从理论到技巧，嵌入丰富课程案例讲解，逐步推进

讲师：唐宇迪
深度学习领域多年一线实践研究专家

迈向AI时代，Python机器学习案例实战课程集结！

原价 ￥899.00

| | | |
|-----|---------|--------|
| 拼团价 | ￥699.00 | 50人以上 |
| | ￥499.00 | 100人以上 |
| | (当前价) | |
| | ￥299.00 | 200人以上 |

团长:天善一号 100 人参团

剩余时间 2个月内

火腿拼团 我的订单 更多



微信扫码 即可参团

谢谢！

唐宇迪

1/12/2017