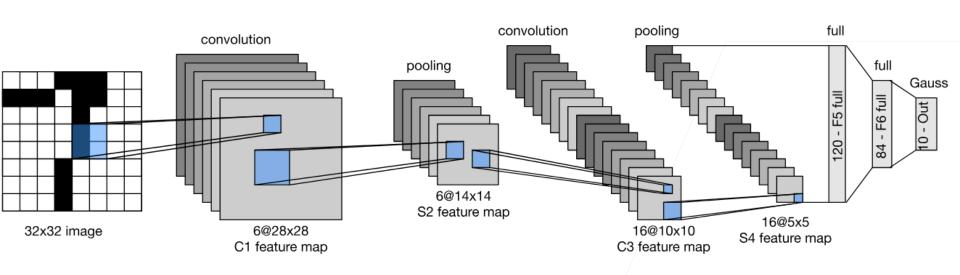


LeNet



手写的数字识别





| CARROLL O'CONNOR BUSINESS ACCOUNT | 715 |
|--|----------------|
| % NANAS, STERN, BIERS AND CO. 9454 WILSHIRE BLVD., STE. 405 273-2501 | 19 % 16-24/635 |
| PAY TO THE Follard - Wittman - Robb Chevrolet | \$500000 |
| Live thousand - | DOLLARS |
| WILSHIRE-DOHENY OFFICE WELLS FARGO BANK NATIONAL ASSOCIATION | |

MNIST

- 50,000 个训练数据
- 10,000 个测试数据
- · 图像大小 28 x 28
- 10类

- 2222222222
 - 3333333333
 - 555555555555 6 6 6 6 6 6 6 6 6 6

- 888888888

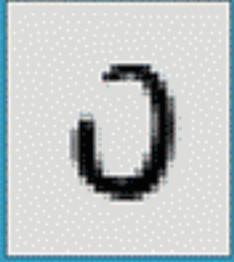
动手学深度学习 v2·https://courses.d2l.ai/zh-v2





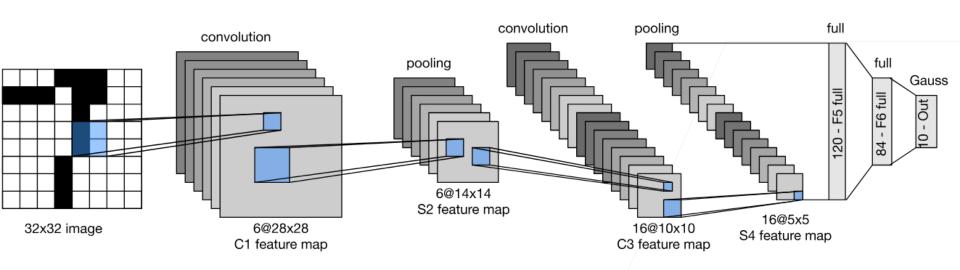
95





Y. LeCun, L.
Bottou, Y. Bengio,
P. Haffner, 1998
Gradient-based
learning applied to
document
recognition

动手学深度学习 v2 李沐・AWS



总结



- LeNet是早期成功的神经网络
- 先使用卷积层来学习图片空间信息
- 然后使用全连接层来转换到类别空间