

周学习总结

许典

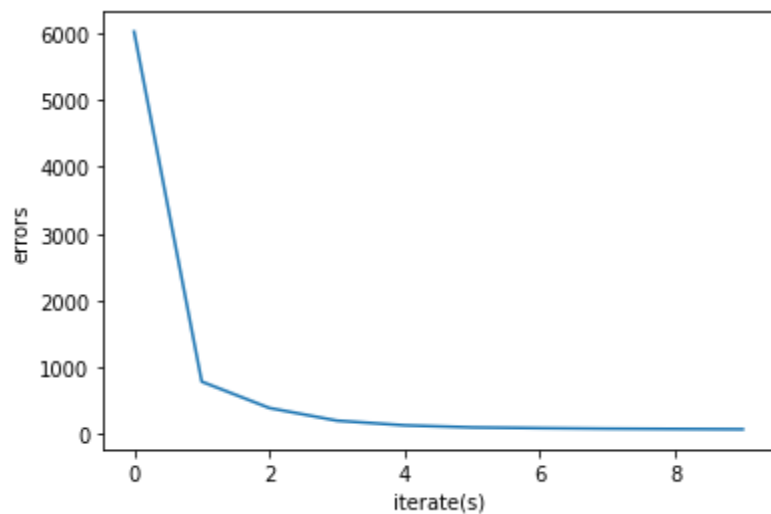
回归

- ▶ Feature Scaling

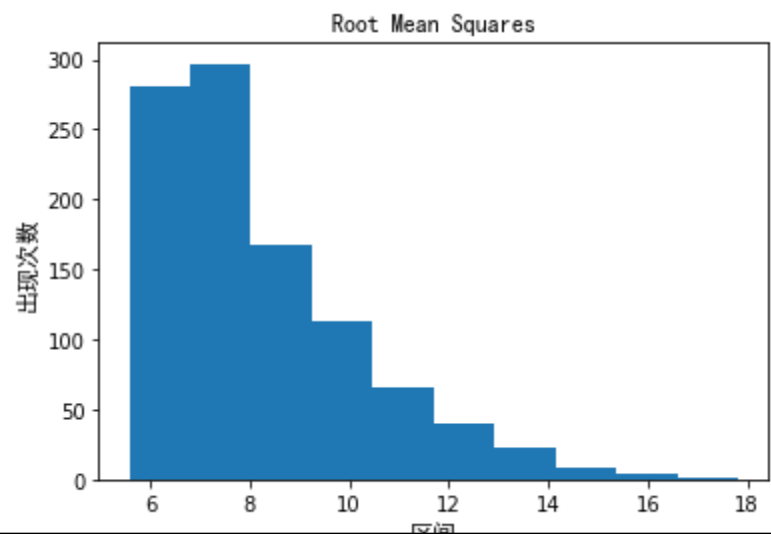
$$x_i^r = \frac{x_i^r - m_i}{\sigma_i}$$

- ▶ Adagard

训练，验证和预测



- ▶ 单次训练迭代10次的运行效果
- ▶ 训练数据分成训练集和验证集，进行1000次实验验证的错误率



分类

- Sigmoid 函数

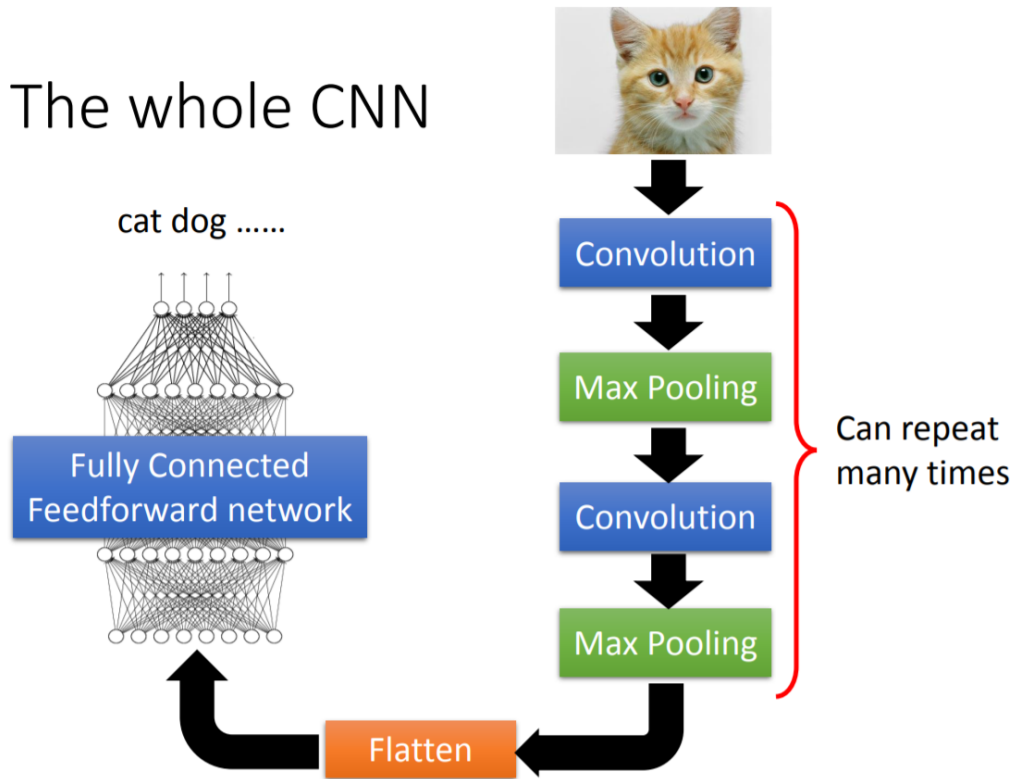
$$\text{Sigmoid}(z) = \frac{1}{1 + e^{-z}}$$

- Cross Entropy Error

$$L = \frac{1}{N} \sum_i -(y_i \cdot \log(\hat{y}_i) + y_i \cdot \log(1 - \hat{y}_i))$$

CNN

The whole CNN



下周计划

► CNN & RNN