2022.02.23

Classification Supervised learning

- · 从IT training set 中,已给出 sample To label,学功夫, 徐 Linseen clata
- underfitoling us. over fitting

Under fitting: training error 和 test error 都高.

overfitting: training error 很低, test error 很高.

Instance - Based Classifier

得到1个新x时,看training set中有无X、有Pl return 其label.

K Nearest Neighbor Classifier

Classify an unceen record:

- 1. compute 与真它 record间 distance.
- 2. # k nearest neighbors
- 3. Aggregate the labels of 来 predict 该 record 的类.

Aggregation 的方法 很重要

2 Weighted majority based on distance 1) Majority rule

· Scaling issue:

不同feature 的scale 不同会导致 feature 对于 distance的影响不同。 scale太大将dominate.