

Machine Learning

机器学习

Instructor

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Southeast University

Spring 2024

Course Information

- ❑ 4 credits with 64 course and 16 project hours
- ❑ 9:50-11:25, Tuesday 3-4节
- ❑ 14:00-15:35, Thursday 6-7节
- ❑ 18:30-20:55, Thursday (biweekly, Week 4-10)
- ❑ 18:30-20:05, Thursday (biweekly, Week 12-14)
- ❑ Location: 教二-405

Grading

- 考核方式及其它安排
 - 理论课 4 次作业，共 20%
 - 实验课 4 次作业，共 20 %
 - 期末考试（英文），闭卷，占 60%

作业、考试中发现抄袭，当次按 0 分计算

Late homework policy

- Homework is worth **full** credit before the deadline.
- It is worth **half** credit for the next 24 hours.
- It is worth **zero** credit after that.

Course Information

- 参考书:

- 周志华 《机器学习》 清华大学出版社, 2016

- 学习内容:

- 以学习1-10章的核心内容为主

- 全国100多个高校选用作为教材

- 被翻译成英文、日文、韩文等在国外使用



Outline of the Course

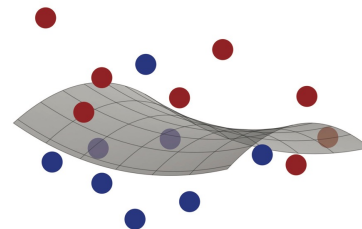
1. Introduction to Machine Learning
2. Model Selection and Evaluation
3. The Linear Model
4. Support Vector Machine
5. Neural Networks
6. Tree Model
7. The Bayesian Classifier
8. Ensemble Learning
9. Clustering
10. Dimensional Reduction and Metric Learning
11. ...

Classical Algorithms
& Recent Progresses

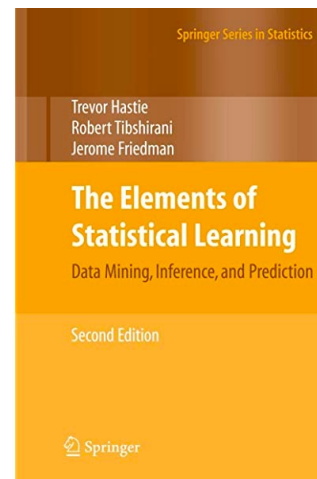
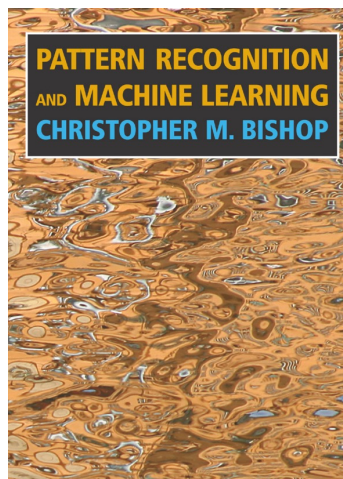
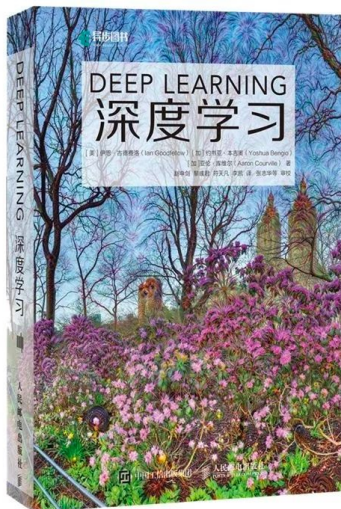
Textbook



Foundations of Machine Learning second edition



Mehryar Mohri,
Afshin Rostamizadeh,
and Ameet Talwalkar



Course Information

- Course Website:

<http://palm.seu.edu.cn/weit/ml24>



Remarks

■ No pain, No gain

Classroom
lectures are
important but
not enough



Review what have been
taught with **at least 4~6
hours per week**

■ Terminologies and Contents

It's important to understand the terminologies in
both **Chinese and English**

Try to understand the concepts without first
translating them into Chinese (in your mind)

Course Information

- 课程 QQ 群： 677906009
- 助教：
 - 辅助教学；相互尊重，共同进步
 - 王怡博（博士生）
 - 王博林（硕士生）
 - 曾晗（硕士生）
 - 更多信息见课程主页

- 希望同学们有所收获！

机器学习



扫一扫二维码，加入群聊。