

本书内容对应李宏毅视频课程参考表

《深度学习详解》	李宏毅《机器学习》(2021年春)标题	B站链接	YouTube链接	备注
第1章	课程介绍	- https://www.bilibili.com/video/BV1JA411c7VT?p=2 - https://www.bilibili.com/video/BV1JA411c7VT?p=3	video 1 video 2	
第2章	通用指导	https://www.bilibili.com/video/BV1JA411c7VT?p=4	Chinese	
3.1	当梯度比较小：局最小值和鞍点	https://www.bilibili.com/video/BV1JA411c7VT?p=5	Chinese	
3.2	训练技巧：批量和动量	https://www.bilibili.com/video/BV1JA411c7VT?p=6	Chinese	
3.3 &3.4&3.5	训练技巧：自适应学习率	https://www.bilibili.com/video/BV1JA411c7VT?p=7	Chinese	
3.6	损失函数：分类	https://www.bilibili.com/video/BV1JA411c7VT?p=8	Chinese	
3.7	批量归一化	https://www.bilibili.com/video/BV1JA411c7VT?p=9	Chinese	
第4章	卷积神经网络	https://www.bilibili.com/video/BV1JA411c7VT?p=10	Chinese	
第5章	循环神经网络	- https://www.bilibili.com/video/BV1Ht411g7Ef?p=36 - https://www.bilibili.com/video/BV1Ht411g7Ef?p=37	Part I Part II	《机器学习》(2017年春)
第6章	自注意力机制	- https://www.bilibili.com/video/BV1JA411c7VT?p=11 - https://www.bilibili.com/video/BV1JA411c7VT?p=12	Chinese 1 Chinese 2	
第7章	Transformer	- https://www.bilibili.com/video/BV1JA411c7VT?p=13 - https://www.bilibili.com/video/BV1JA411c7VT?p=14	Chinese 1 Chinese 2	
		- https://www.bilibili.com/video/BV1JA411c7VT?p=15 - https://www.bilibili.com/		

第8章	生成模型	video/BV1JA411c7VT?p=16 - https://www.bilibili.com/video/BV1JA411c7VT?p=17 - https://www.bilibili.com/video/BV1JA411c7VT?p=18	Chinese Chinese Chinese Chinese	
第9章	浅谈图像生成模型	https://www.bilibili.com/video/BV1TD4y137mP?p=35	Chinese	《机器学习》(2023年春)
10.1	- 自监督学习：芝麻街里面的模型 - BERT介绍 - BERT有趣的事实	- https://www.bilibili.com/video/BV1JA411c7VT?p=19 - https://www.bilibili.com/video/BV1JA411c7VT?p=20 - https://www.bilibili.com/video/BV1JA411c7VT?p=21	Chinese Chinese Chinese	
10.2	GPT-3	- https://www.bilibili.com/video/BV1JA411c7VT?p=22	Chinese	
第11章	自编码器	- https://www.bilibili.com/video/BV1JA411c7VT?p=23 - https://www.bilibili.com/video/BV1JA411c7VT?p=24	Chinese Chinese	
第12章	对抗攻击	https://www.bilibili.com/video/BV1JA411c7VT?p=25 https://www.bilibili.com/video/BV1JA411c7VT?p=26	Chinese Chinese	
第13章	领域迁移	https://www.bilibili.com/video/BV1JA411c7VT?p=29	Chinese	
第14章	强化学习	- https://www.bilibili.com/video/BV1JA411c7VT?p=30 - https://www.bilibili.com/video/BV1JA411c7VT?p=31 - https://www.bilibili.com/video/BV1JA411c7VT?p=32	Chinese Chinese Chinese	
第15章	元学习	- https://www.bilibili.com/video/BV1JA411c7VT?p=39 - https://www.bilibili.com/video/BV1JA411c7VT?p=40	Chinese Chinese	

16.1&16.2	终生学习：灾难性遗忘	https://www.bilibili.com/video/BV1JA411c7VT?p=35	Chinese	
16.3	终生学习：缓解灾难性遗忘	https://www.bilibili.com/video/BV1JA411c7VT?p=36	Chinese	
17.1	压缩：剪枝和彩票假说	https://www.bilibili.com/video/BV1JA411c7VT?p=37	Chinese	
17.2&17.3&17.4&17.5	压缩：知识蒸馏	https://www.bilibili.com/video/BV1JA411c7VT?p=38	Chinese	
第18章	可解释性人工智能	- https://www.bilibili.com/video/BV1JA411c7VT?p=27 - https://www.bilibili.com/video/BV1JA411c7VT?p=28	Chinese Chinese	
第19章	ChatGPT原理解析	- https://www.bilibili.com/video/BV1TD4y137mP?p=2 - https://www.bilibili.com/video/BV1TD4y137mP?p=3 - https://www.bilibili.com/video/BV1TD4y137mP?p=4	ChatGPT 原理剖析(1/3) — 對 ChatGPT 的常見誤解 ChatGPT 原理剖析(2/3) — 預訓練 (Pre-train) ChatGPT 原理剖析(3/3) — ChatGPT 所帶來的研究問題	《机器学习》(2023年春)