

딥러닝

wk01 :

Introduction to Deep Learning



Deep[Learning (DL)

INJE University

1st semester, 2023

Email : chaos21c@gmail.com



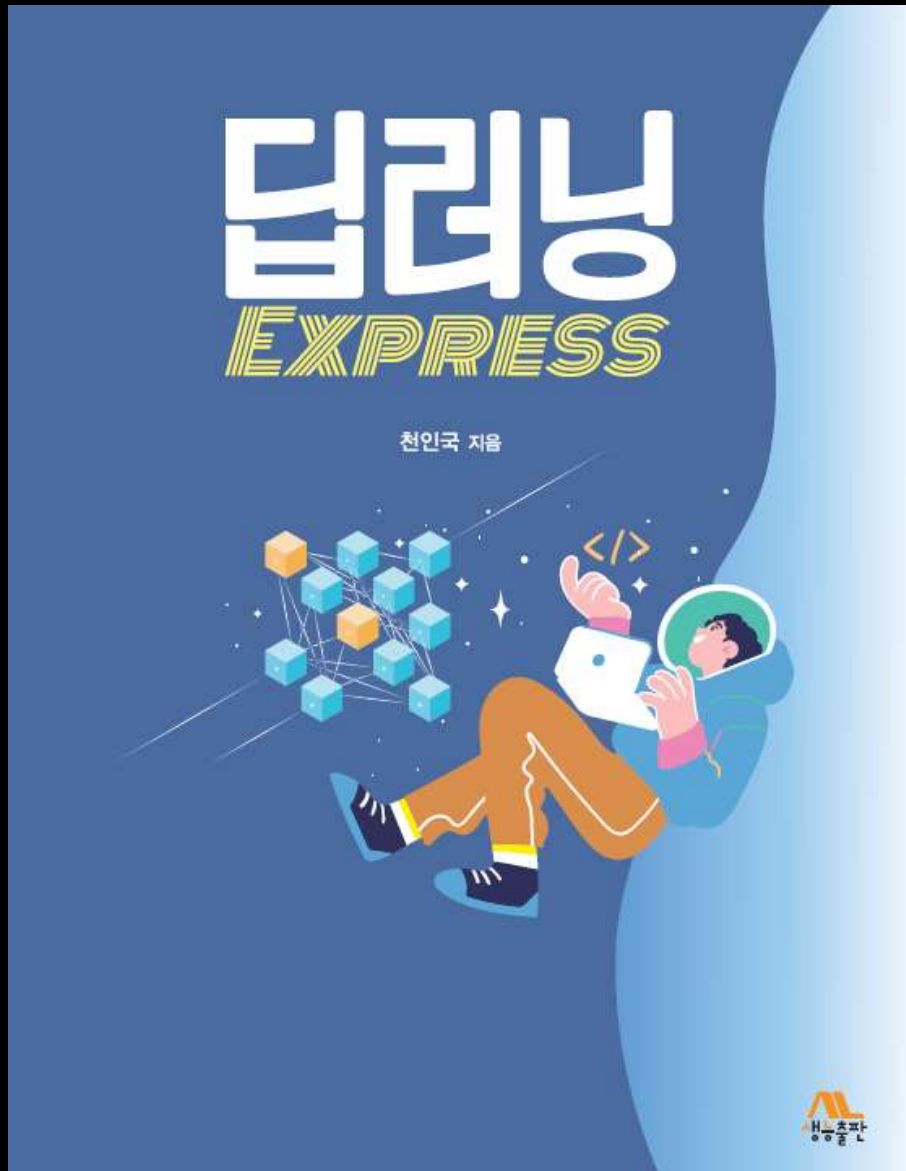
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- dl19: 이재현

위의 id를 이용해서 **github**에 **repo**를 만드시오.

교재/참고도서



수업정보

교과목명 (영문명)	딥러닝(Deep Learning)			수업방식	대면(15주)
교과목번호	ASM059	분반	1	과정	학사과정
이수구분	전공선택	이수학점	3.0	사용언어	한국어
시간/강의실	수6,7,8,9 E동323			선수과목	
수강대상 (권장학년)	AI빅데이터학부(3)				
수강제한					

담당교수 정보

담당교수	이상훈	소속		AI융합대학
연구실	E319	연락처	연구실	055-320-3210
			기타	
e-mail	chaos21c@gmail.com	학생상담시간		화 오후 2~3시

수업소개

파이썬 개발 환경인 Spyder와 구글 코랩(Colab)에서 파이썬소스코드(*.py)와 jupyter 노트북(*.ipynb)을 이용해서 데이터를 이용하는 딥러닝을 강의한다.

딥러닝에 필수적인 numpy, pandas 모듈을 소개하고, 여러가지 데이터를 전처리하는 방법을 소개한다.

처리되어 정돈된 데이터를 matplotlib, seaborn, plotly 등의 모듈을 이용해서 시각화한다.

영상데이터를 분류하는 tensorflow, pycares 등을 이용한 딥러닝을 소개하고 실습을 통하여 딥러닝을 익힌다.

수업 중 완성한 모든 소스 코드는 각자의 github repo에 저장하고 결과를 평가한다.

다양한 데이터를 수집하고 이용하는 프로젝트를 수행하고 평가를 받는다.

ChatGPT를 파이썬 코드 작성과 수정에 이용해 본다.

Spyder와 구글의 COLAB 환경에서 실습을 수행, 실습 결과는 github에 저장

성적평가기준


평가방법	평가비율(%)
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기말고사	30%
과제	20%
프로젝트	20%




github.com/Redwoods

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Sang Hoon Yi
Redwoods

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Deep learning express

Python



github.com/Redwoods/dle

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x-Chat-GPT	Update Transfer learning of user images.md	3 weeks ago
README.md	Update README.md	yesterday
Z_install_Anaconda.md	Add files via upload	last month
수업계획서.pdf	Add files via upload	yesterday



Lecture materials

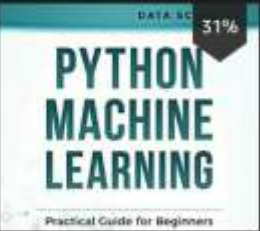
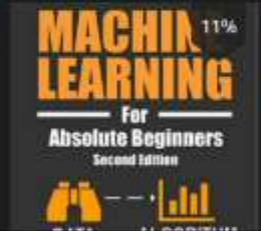
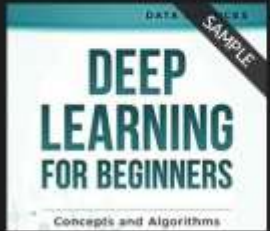
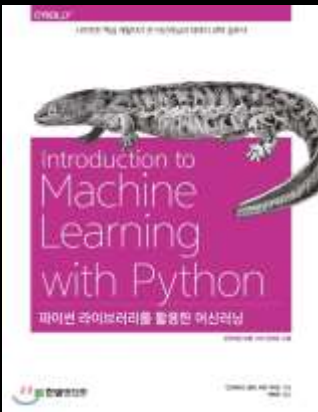
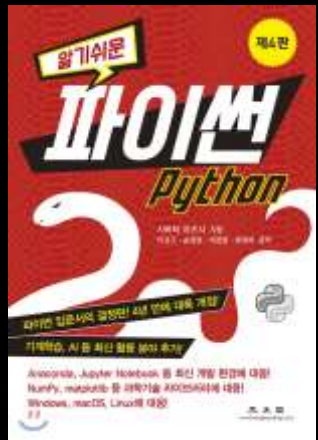
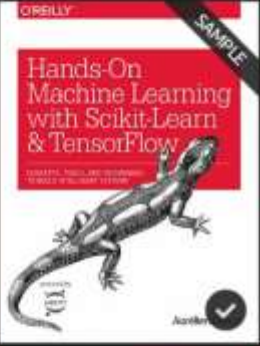
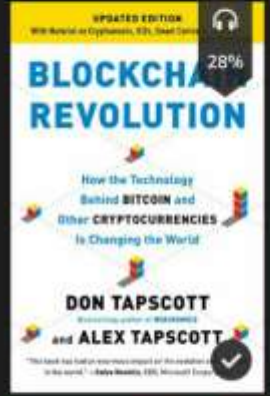
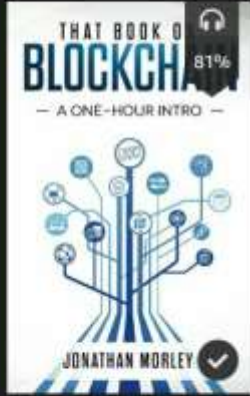
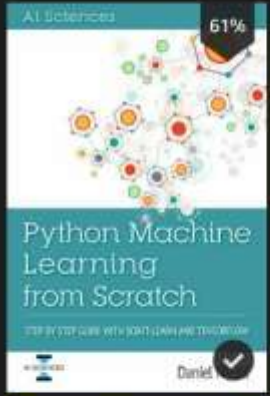
● References & good sites

- ✓ <http://colab.research.google.com> Colab
- ✓ <http://www.github.com> GitHub
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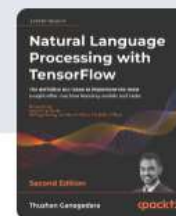
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