Team project 1 – Kaggle competition (anomaly detection)

MCC3017-41

Overview

Team project – Kaggle competition (Anomaly detection)

- Kaggle에서 notebook(.ipynb) 사용하는 방법
- Local 환경에서 notebook (.ipynb) 사용하는 방법
- Kaggle에 dataframe(.csv) 업로드하는 방법

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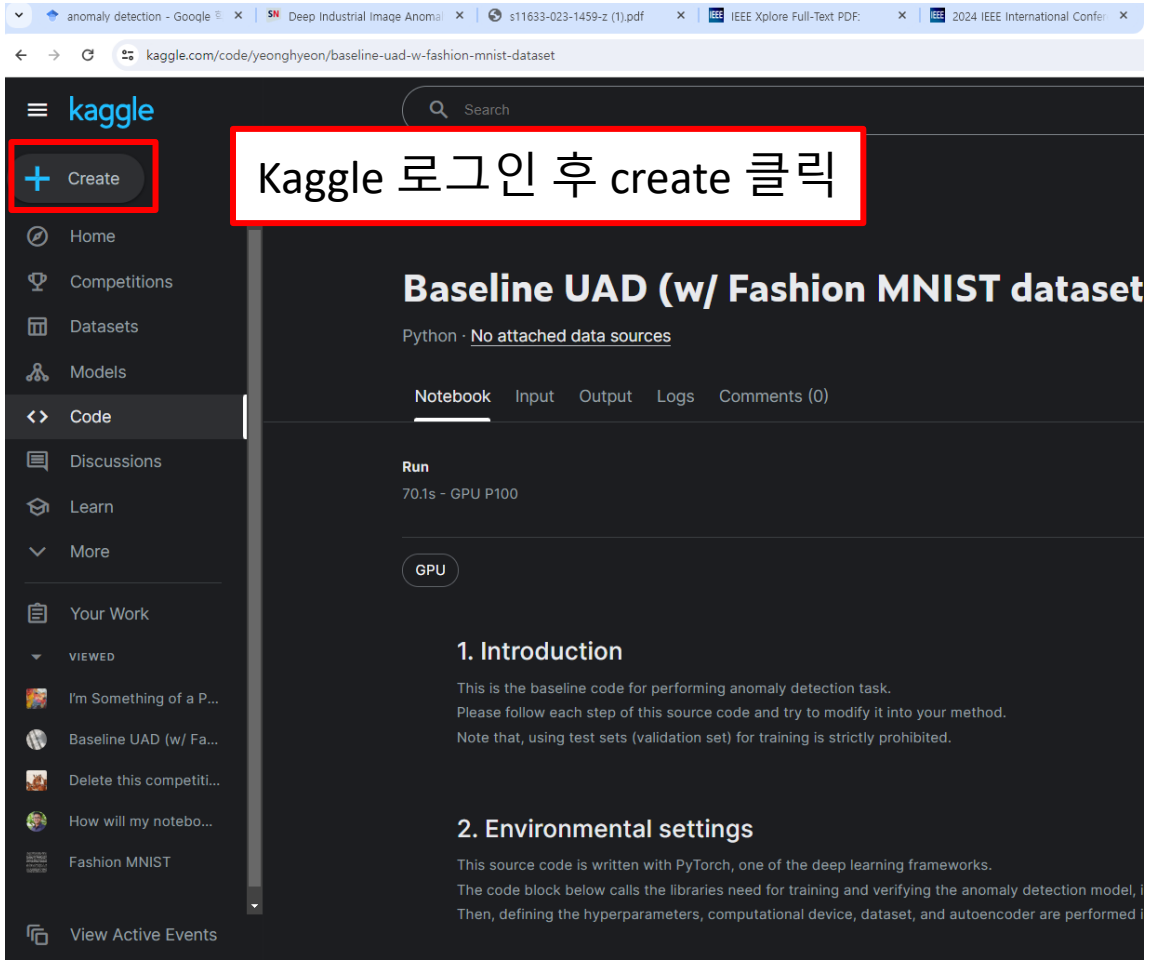
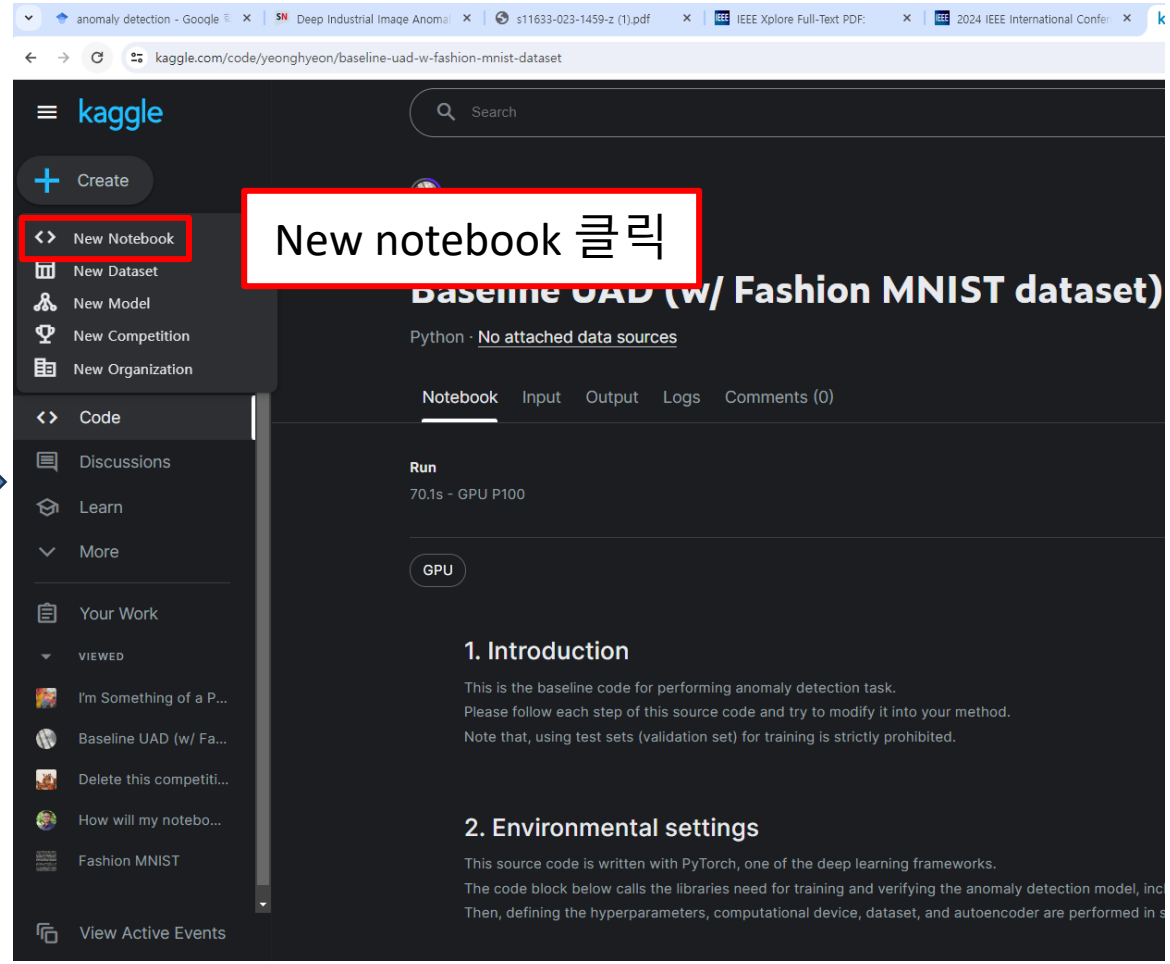
- **Kaggle에서 notebook(.ipynb) 사용하는 방법**





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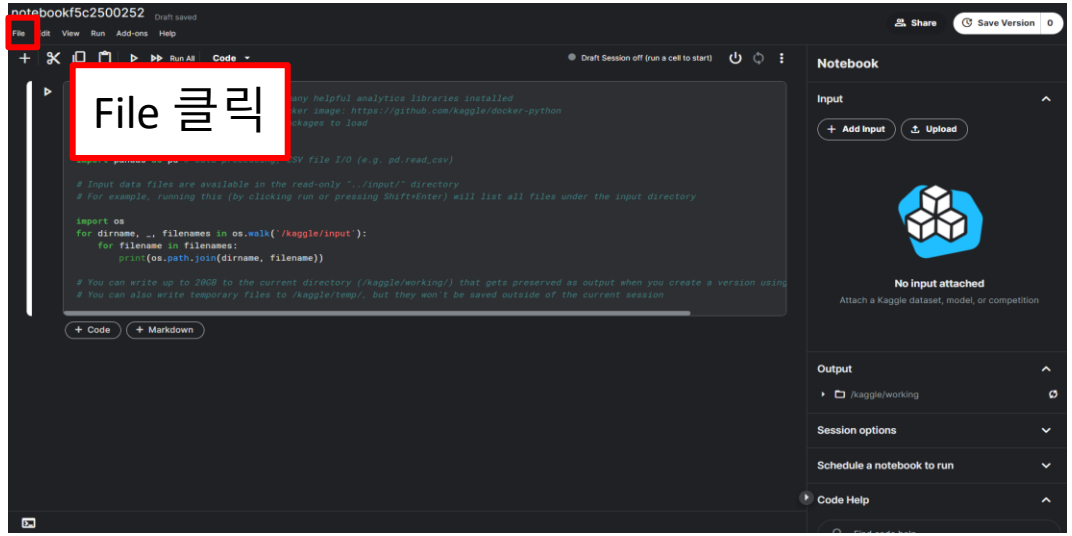
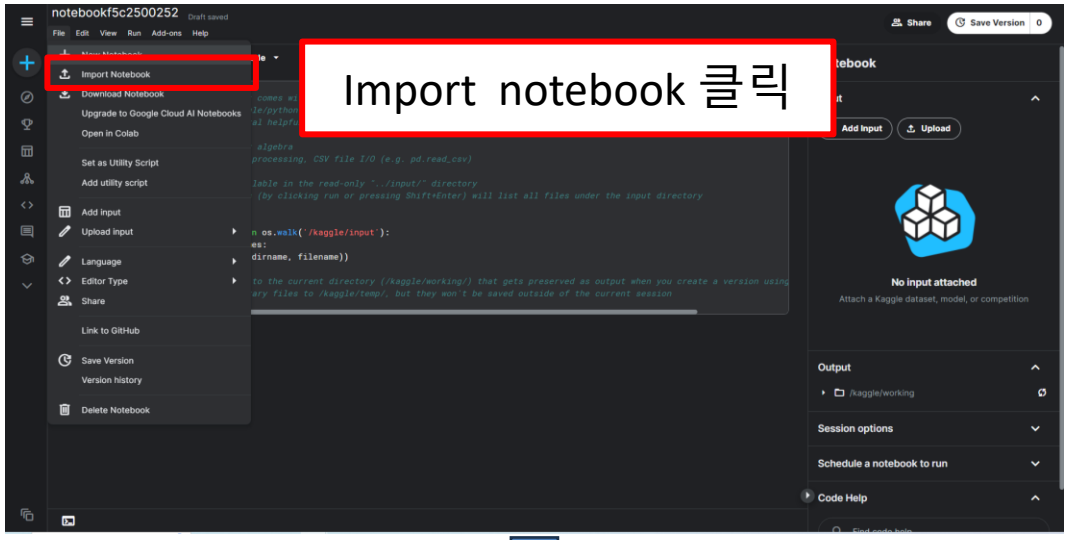
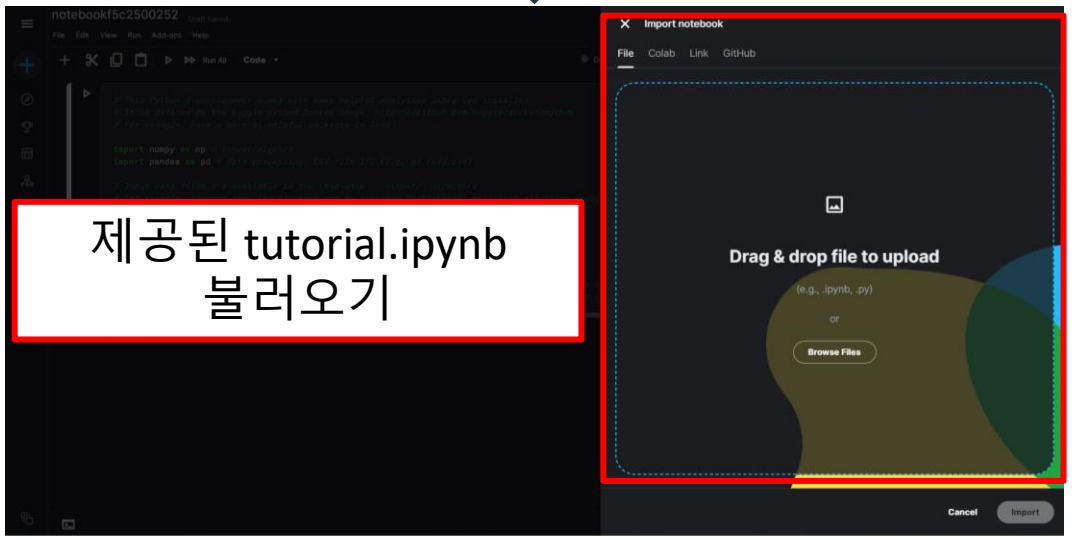
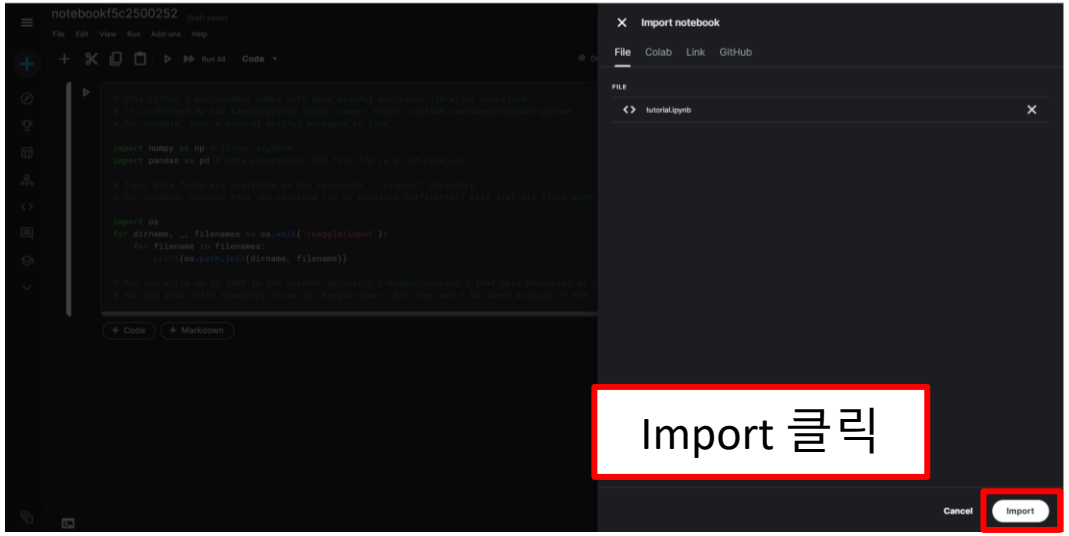
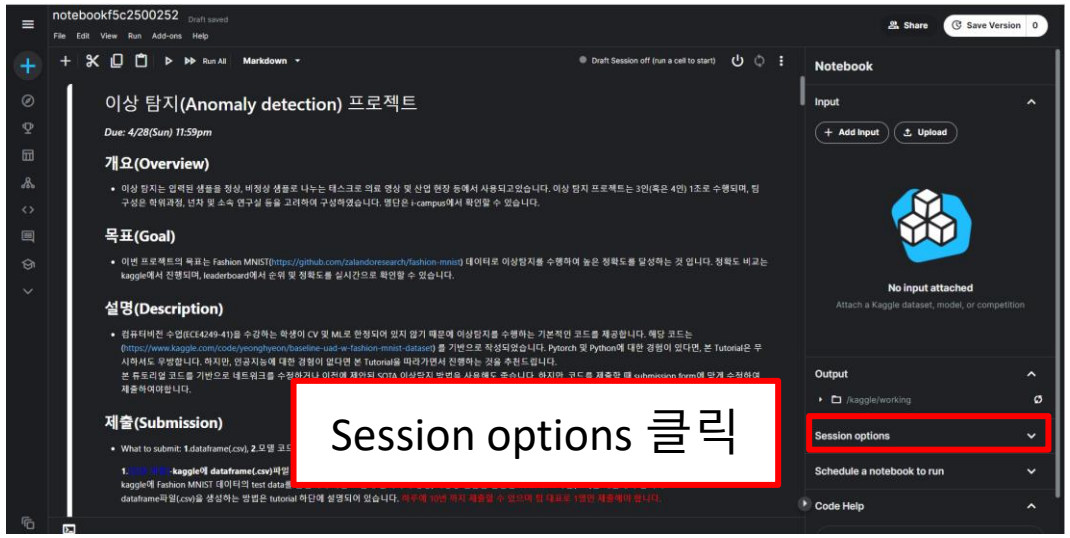
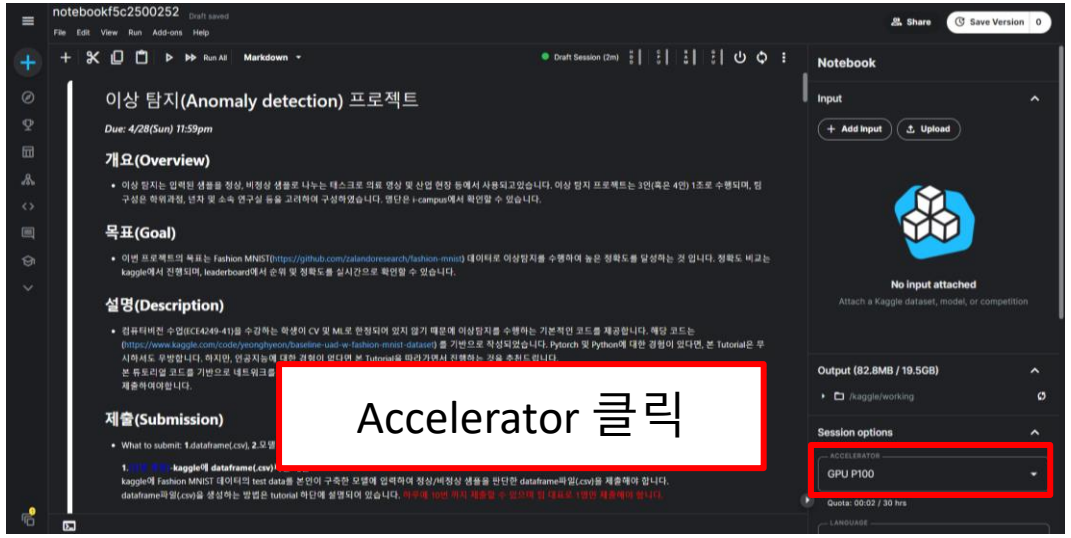




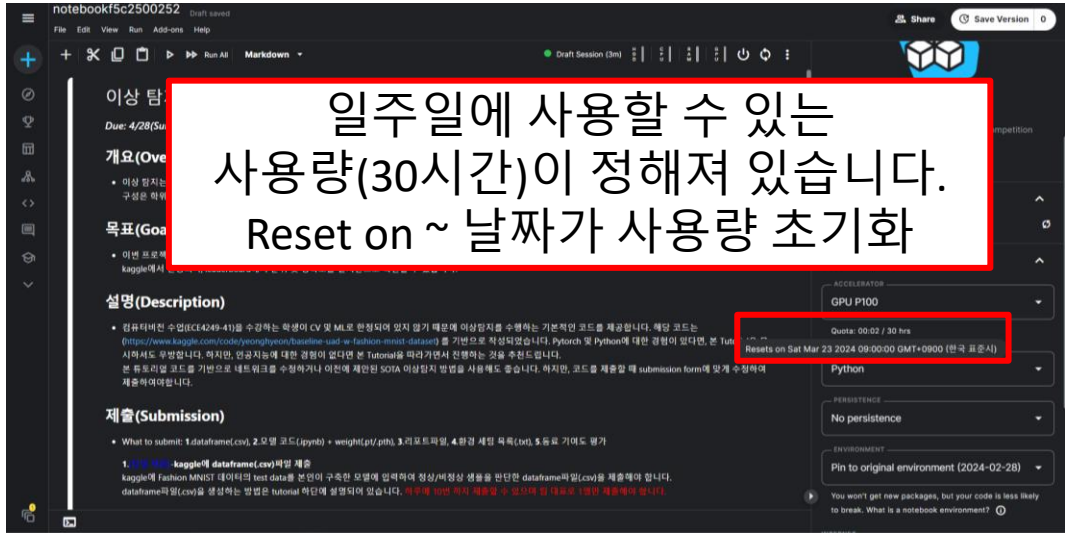





notebookf5c2500252
이상 탐지(Anomaly detection) 프로젝트
Session options 클릭


notebookf5c2500252
이상 탐지(Anomaly detection) 프로젝트
Accelerator 클릭


notebookf5c2500252
이상 탐지(Anomaly detection) 프로젝트
GPU P100 혹은
GPU T4x2 클릭


notebookf5c2500252
일주일에 사용할 수 있는
사용량(30시간)이 정해져 있습니다.
Reset on ~ 날짜가 사용량 초기화

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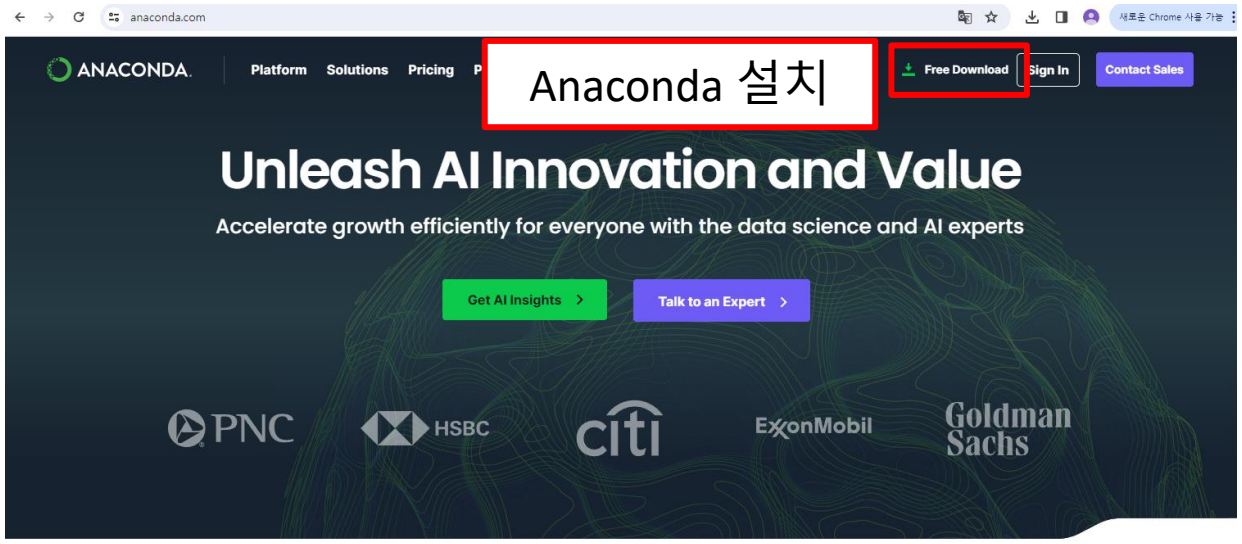
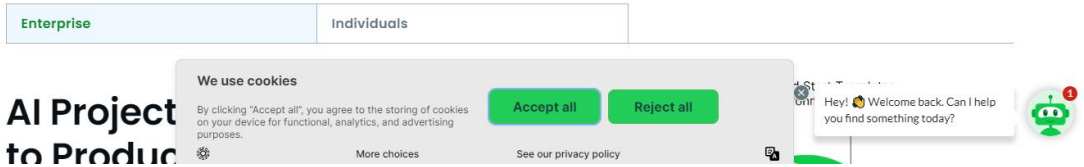
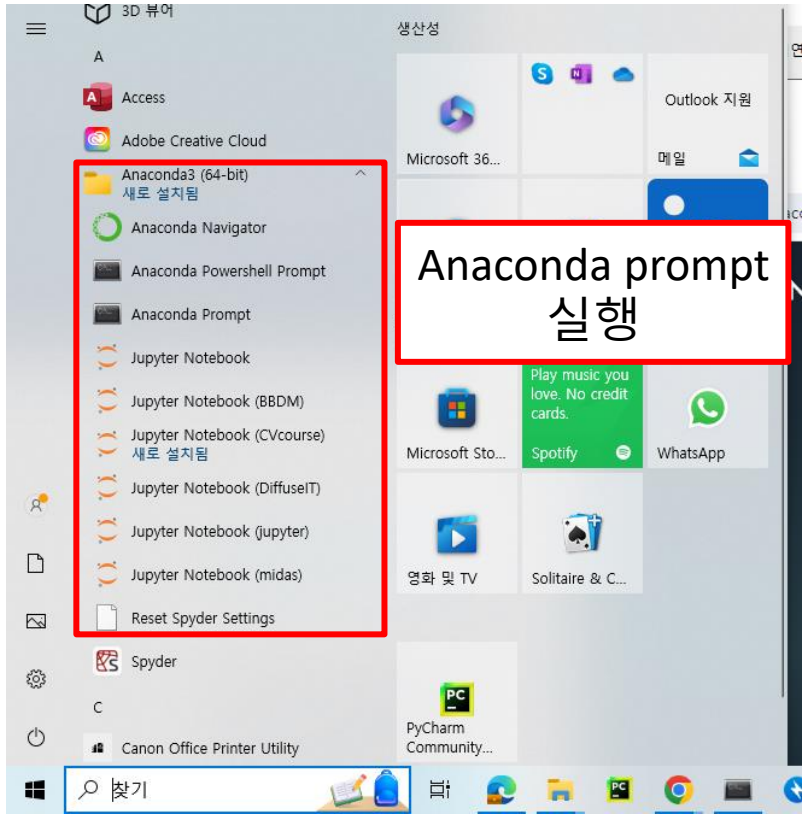
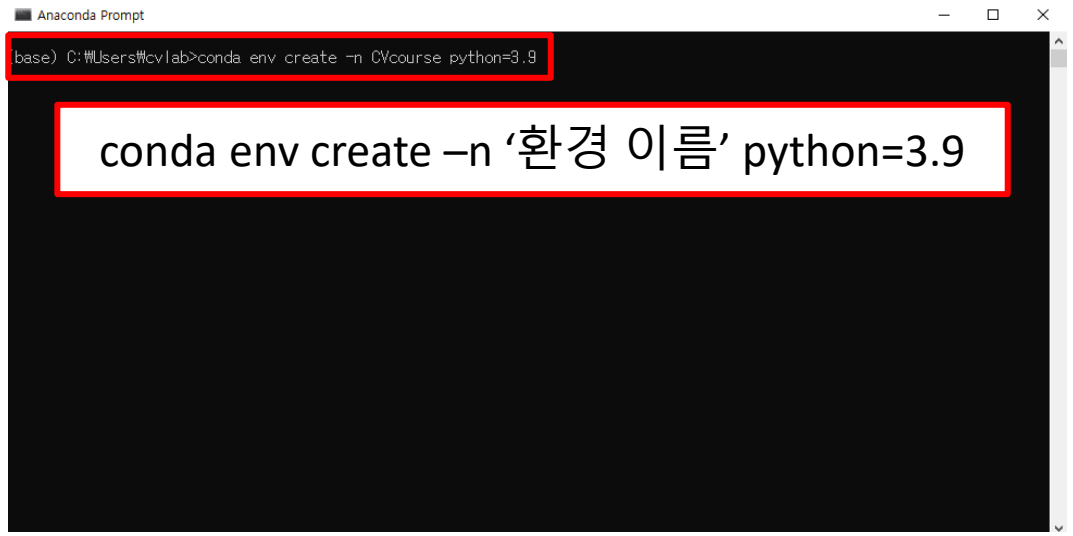
Overview

- **Local 환경에서 notebook (.ipynb) 사용하는 방법**

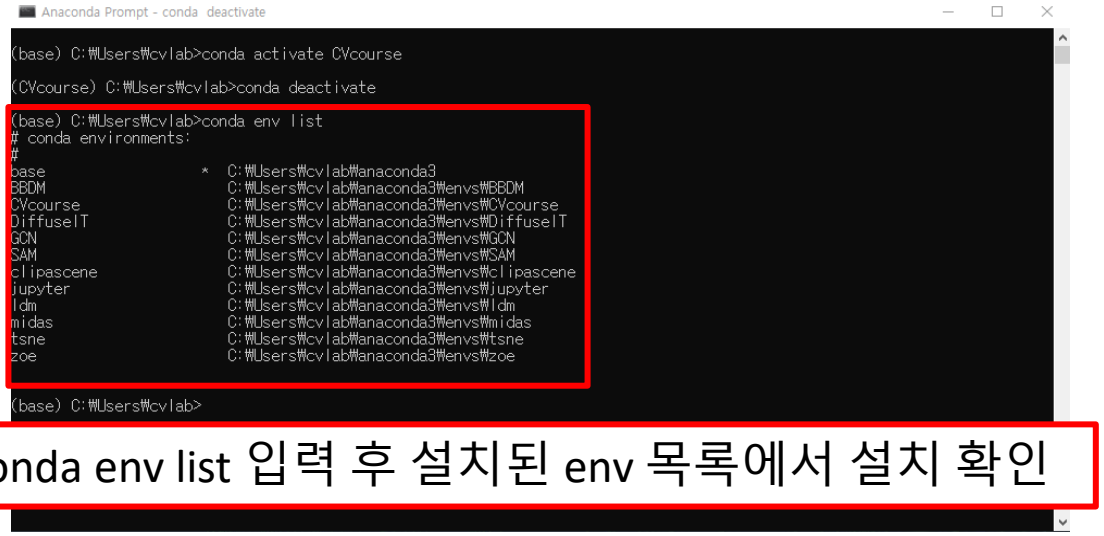




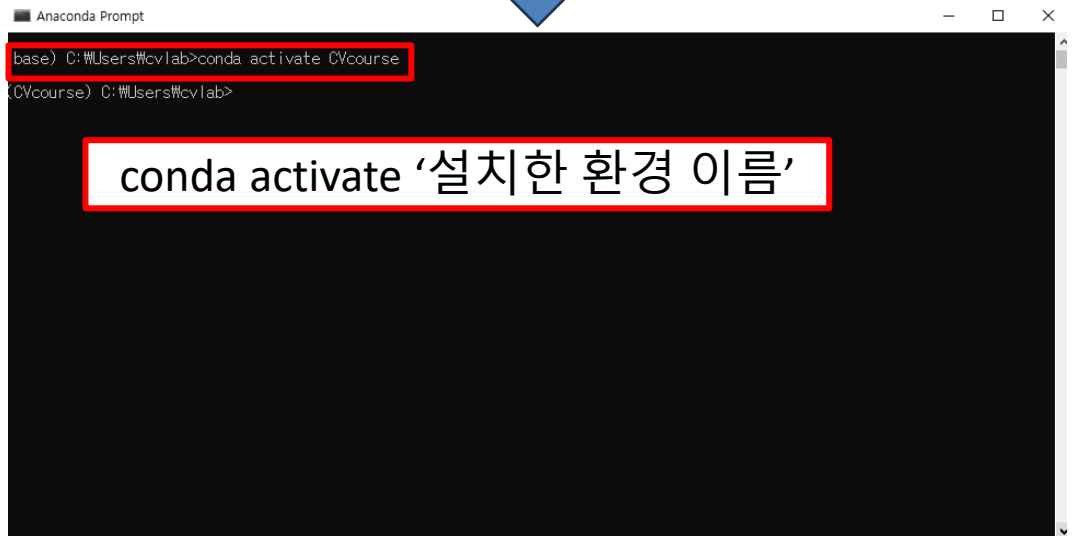




conda env create –n '환경 이름' python=3.9



conda env list 입력 후 설치된 env 목록에서 설치 확인



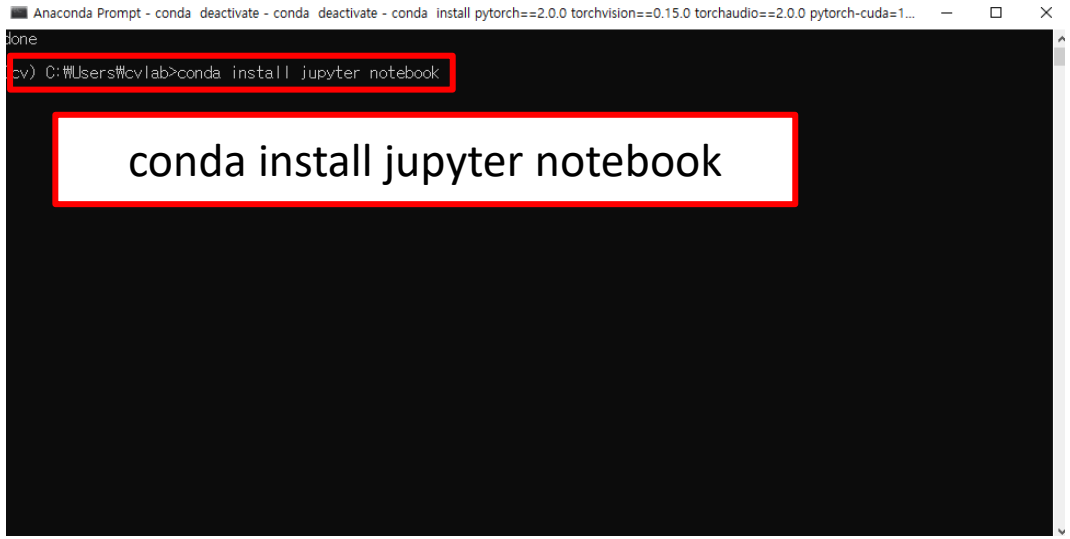
conda activate '설치한 환경 이름'

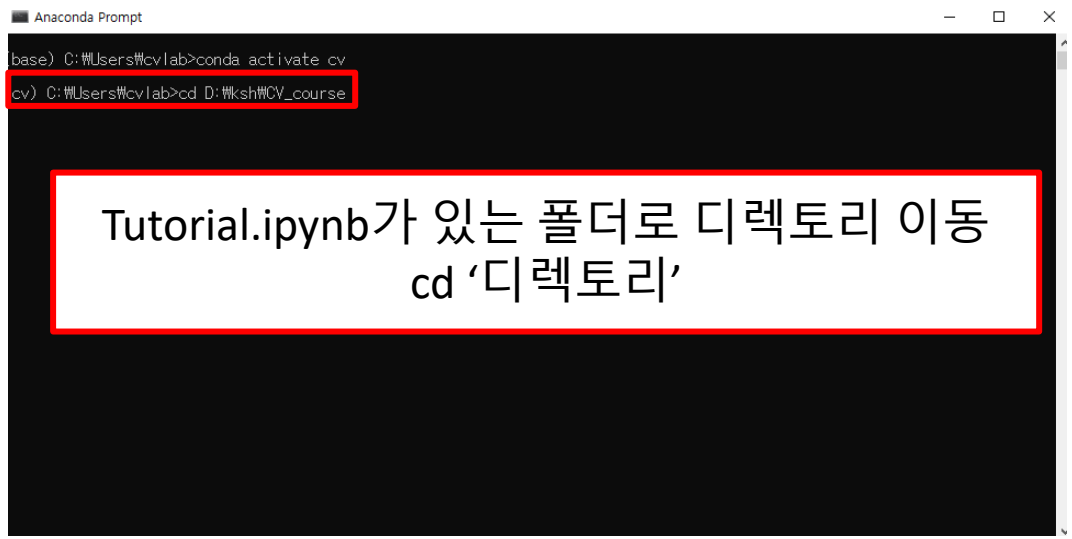
v2.0.0

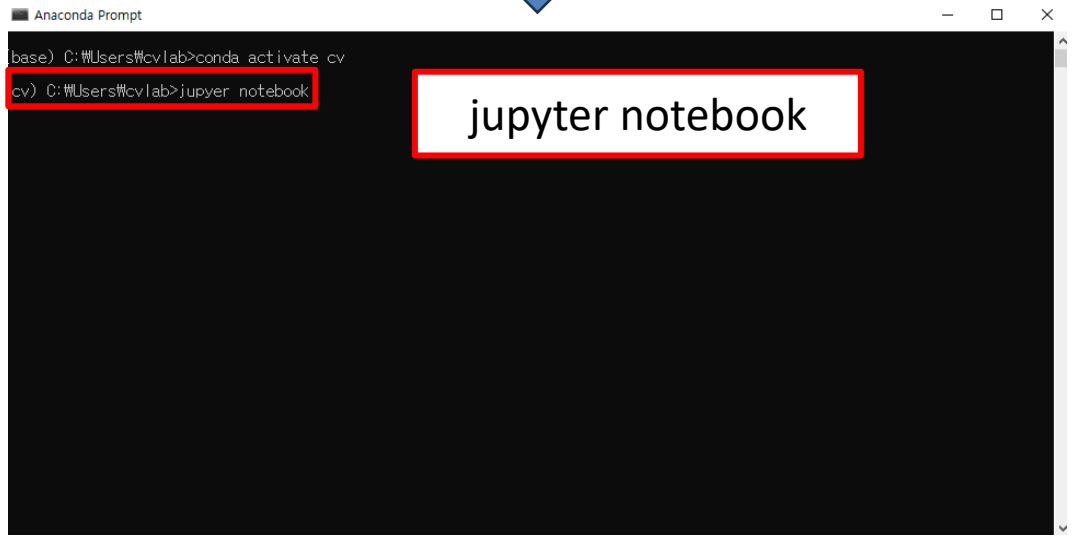
Conda

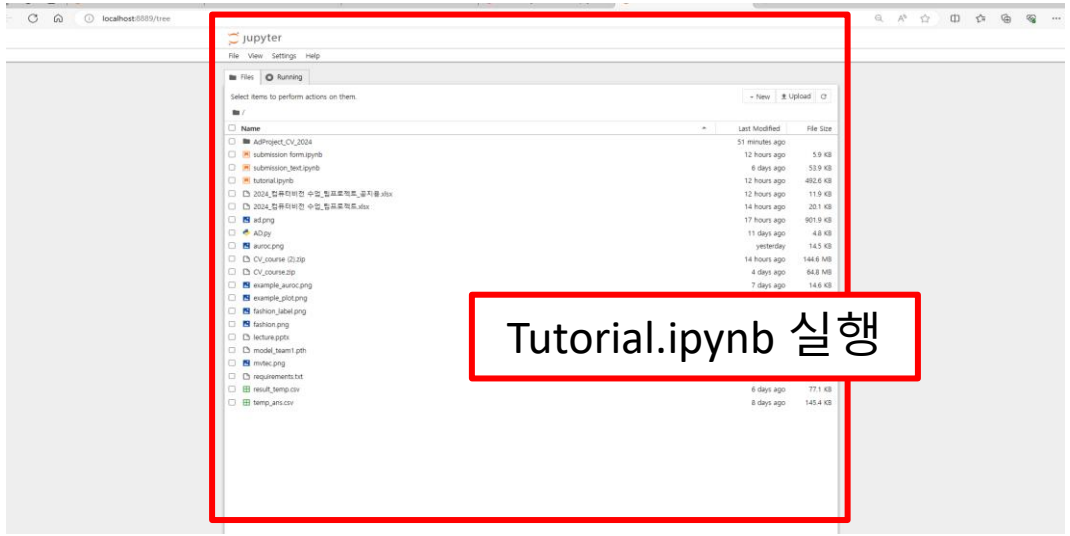
https://pytorch.org/get-started/previous-versions/
접속하여 아래 그림의 텍스트 복사 붙여넣기

```
# CUDA 11.7
conda install pytorch==2.0.0 torchvision==0.15.0 torchaudio==2.0.0 pytorch-cuda=11.7 -c pytorch -c nvidia
# CUDA 11.8
conda install pytorch==2.0.0 torchvision==0.15.0 torchaudio==2.0.0 pytorch-cuda=11.8 -c pytorch -c nvidia
# CPU Only
conda install pytorch==2.0.0 torchvision==0.15.0 torchaudio==2.0.0 cpuonly -c pytorch
```


Anaconda Prompt - conda deactivate - conda deactivate - conda install pytorch==2.0.0 torchvision==0.15.0 torchaudio==2.0.0 pytorch-cuda=1...
done
(cv) C:₩Users₩cvlab>conda install jupyter notebook
conda install jupyter notebook


Anaconda Prompt
(base) C:₩Users₩cvlab>conda activate cv
(cv) C:₩Users₩cvlab>cd D:₩ksh₩CV_course
Tutorial.ipynb가 있는 폴더로 디렉토리 이동
cd '디렉토리'


Anaconda Prompt
(base) C:₩Users₩cvlab>conda activate cv
(cv) C:₩Users₩cvlab>jupyer notebook
jupyter notebook


jupyter
Tutorial.ipynb 실행

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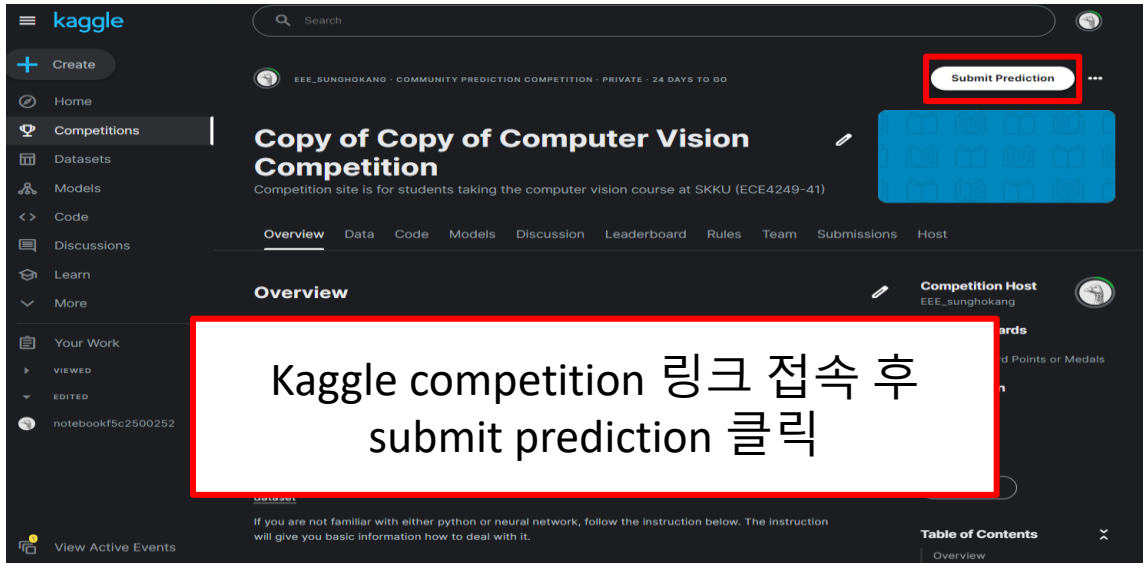
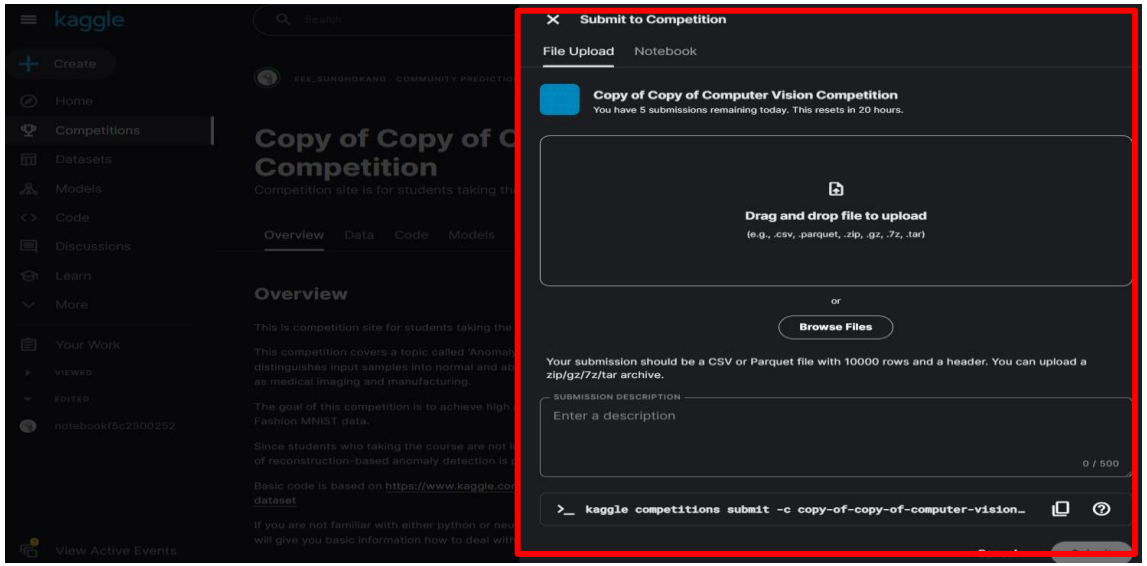
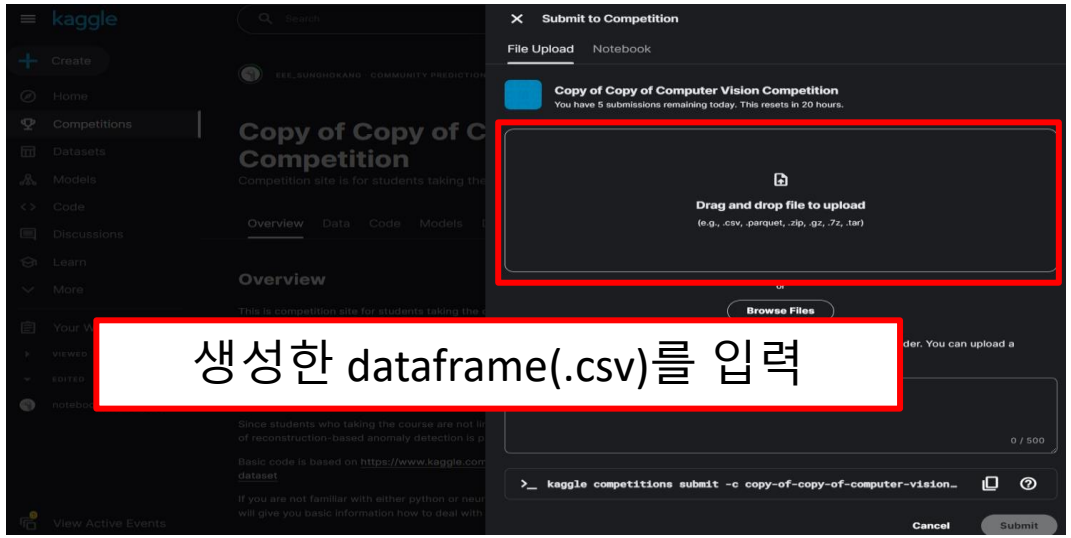
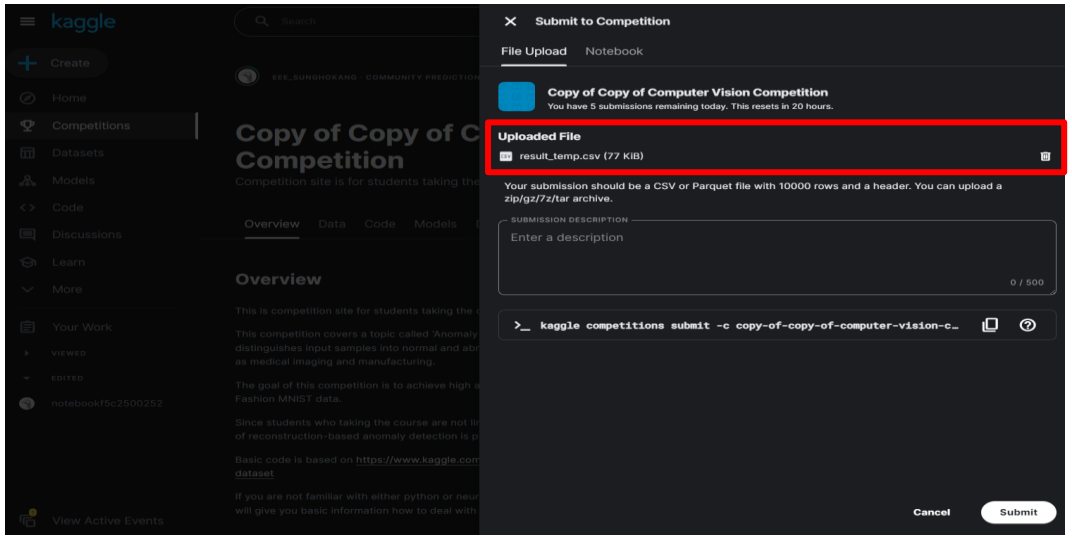
- **Kaggle에 dataframe(.csv) 업로드하는 방법**

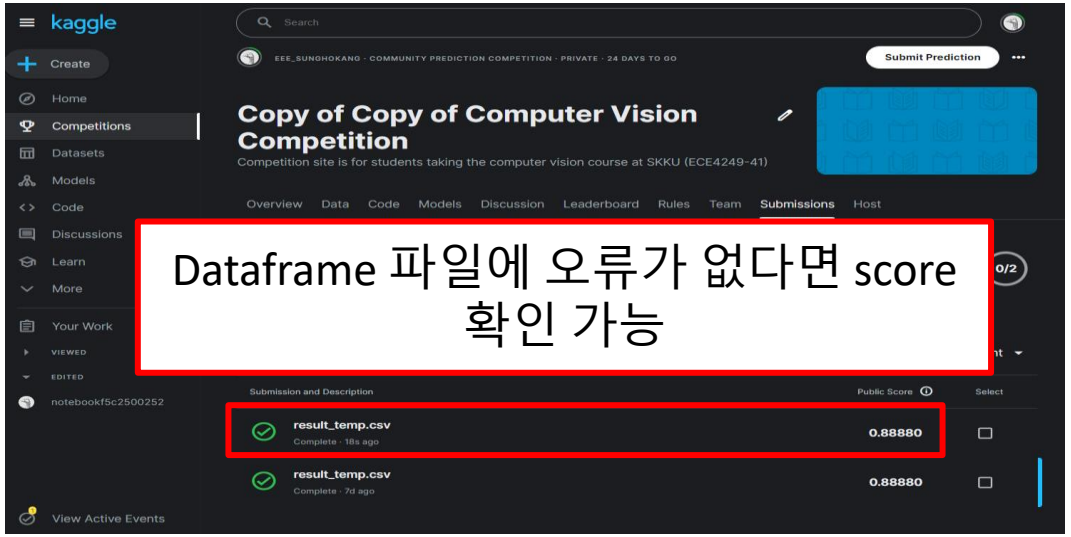




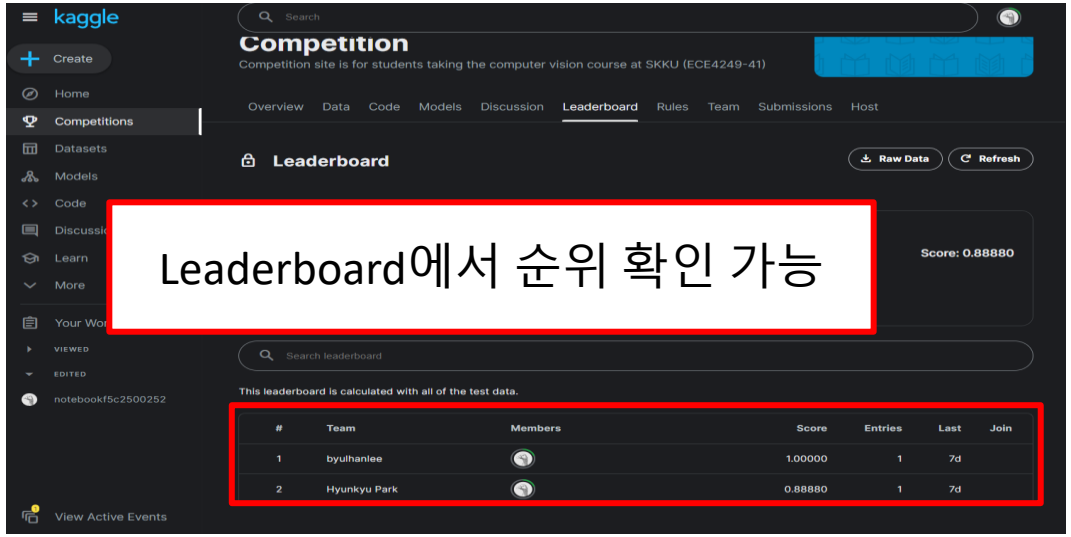


생성한 dataframe(.csv)를 입력





Dataframe 파일에 오류가 없다면 score 확인 가능



Leaderboard에서 순위 확인 가능