

캐글 리더보드

답안 제출하기

[1] 파일 업로드를 이용한 캐글 리더보드 제출

- 실습 따라하기 (코드는 예제 코드 복사하여 제출)
 - 자신의 개발환경을 통해 ML 문제 풀기
 - Data 탭에서 제공된 Sample.csv 파일에 답안 작성
 - Submission 버튼을 통해 파일 업로드
 - 평가 결과 확인



FileUpload-
submit.csv



Notebook-
submit.ipynb

[1] 파일 업로드를 이용한 캐글 리더보드 제출

■ 실습

- 파일업로드를 이용한 답안 제출하기 [w3p1참고]

파일업로드를 이용한 캐글 제출 연습하기

7 days to go

Overview Data Notebooks Discussion Leaderboard Rules Team Host My Submissions **Submit Predictions**

Your most recent submission

Name	Submitted	Wait time	Execution time	Score
submit.csv	3 hours ago	1 seconds	0 seconds	0.61403

Complete


[Jump to your position on the leaderboard](#)

```
> kaggle competitions submit -c 2020-ml-w1p1 -f submission.csv -m "Message"
```

Make a submission for [Yukyung Choi](#)

You have 19 submissions remaining today. This resets 8 hours from now (00:00 UTC).

Step 1
Upload submission file



File Format
Your submission should be in CSV format. You can upload this in a zip/gzip/rar/7z archive, if you prefer.

Number of Predictions
We expect the solution file to have 171 prediction rows. This file should have a header row. Please see sample submission file on the [data page](#).

1) 템플릿 파일에
정답 채워 제출 시

2) 파일 drag & drop

[2] 노트북 이용한 캐글 리더보드 제출

- 실습 따라하기 (코드는 예제 코드 복사하여 제출)
 - Notebook 생성
 - Notebook GPU 사용 설정
 - Notebook 이용하여 프로그래밍
 - Save & Commit
 - 평가 결과 확인
 - Notebook GPU 반환

[2] 노트북 이용한 캐글 리더보드 제출

■ 실습

- 캐글 노트북을 사용하여 답안 제출하기 [w2p2참고]

The image shows the Kaggle interface. At the top, a navigation bar includes 'Overview', 'Data', 'Notebooks', 'Discussion', 'Leaderboard', 'Rules', 'Team', 'Host', 'My Submissions', and a 'Late Submission' button. The 'Notebooks' tab is highlighted with a red box. Below this, a 'New Notebook' button is also highlighted with a red box. The main area displays a notebook titled 'notebookcbc6eb8629' with a 'Draft saved' status. The notebook content includes a Python 3 environment setup and a code cell with the following code:

```
[1]: # This Python 3 environment comes with many helpful analytics libraries insta
# It is defined by the kaggle/python Docker image: https://github.com/kaggle/
# For example, here's several helpful packages to load

import numpy as np # linear algebra
import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)

# Input data files are available in the read-only "../input/" directory
# For example, running this (by clicking run or pressing Shift+Enter) will li

import os
for dirname, _, filenames in os.walk('/kaggle/input'):
    for filename in filenames:
        print(os.path.join(dirname, filename))

# You can write up to 5GB to the current directory (/kaggle/working/) that ge
# You can also write temporary files to /kaggle/temp/, but they won't be save
```

On the right side, the 'Settings' panel is visible, showing 'Language: Python', 'Environment: Preferences', 'Accelerator: None', and 'Internet: On'. The 'GPU' option is highlighted with a red box.

꼭! 사용 안할 때 OFF 해야 함

[2] 노트북 이용한 캐글 리더보드 제출

- 실습
 - 캐글 노트북을 사용하여 답안 제출하기

✕ New Notebook

Select new notebook settings

You can change these settings at any time



Select language

Python ▼



Select type



Notebook

Ideal for interactive data exploration and polished analysis. Shares insights through code & commentary



Script

Ideal for fitting a model and competition submissions. Shares code for review and RMarkdown reports



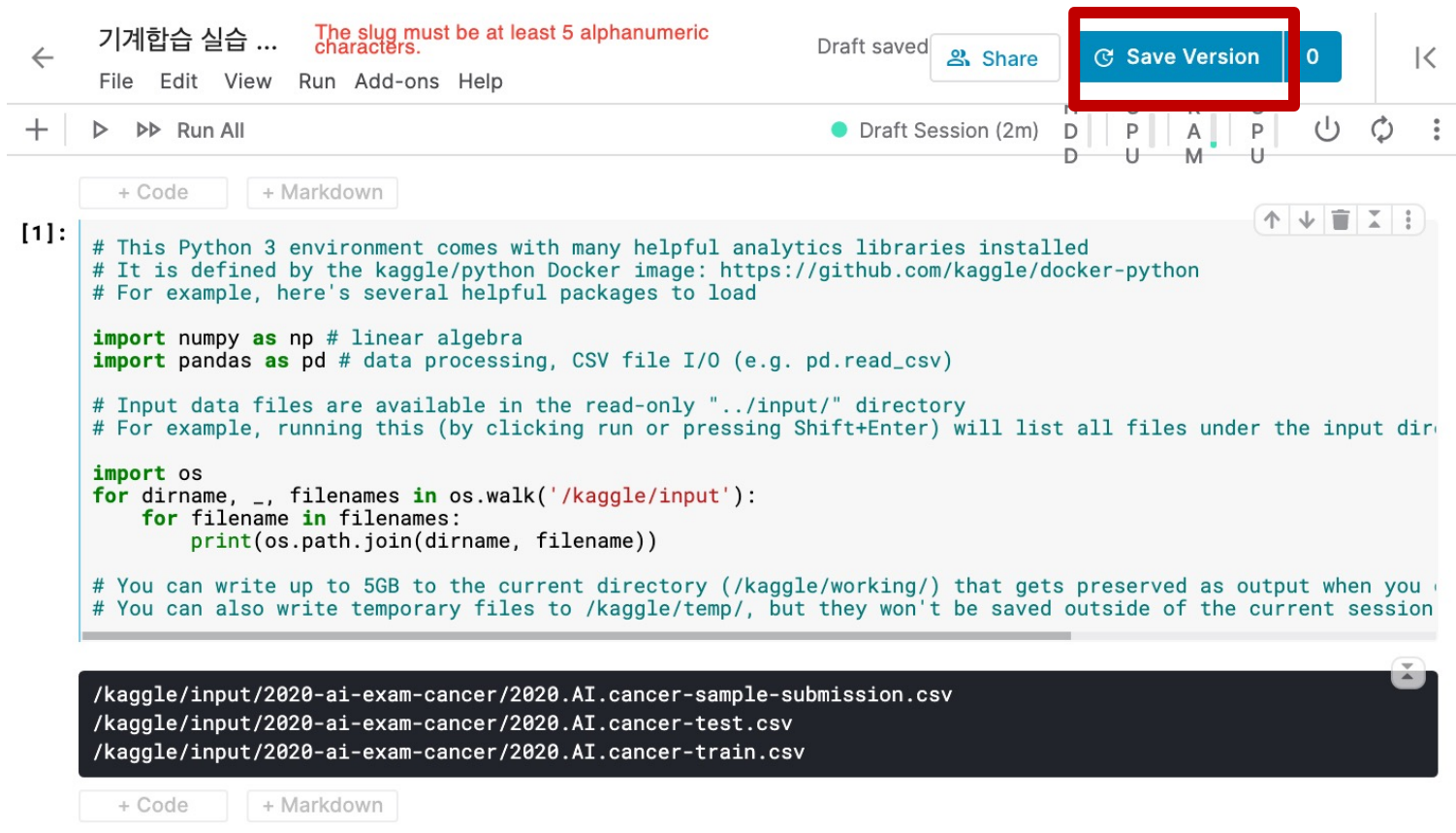
SHOW ADVANCED SETTINGS

Create

[2] 노트북 이용한 캐글 리더보드 제출

■ 실습

- 캐글 노트북을 사용하여 답안 제출하기



The screenshot displays the Kaggle Notebook interface. At the top, the title bar shows '기계학습 실습 ...' with a red warning message: 'The slug must be at least 5 alphanumeric characters.' To the right, it says 'Draft saved' and has 'Share' and 'Save Version' buttons. The 'Save Version' button is highlighted with a red rectangle. Below the title bar is a toolbar with 'File', 'Edit', 'View', 'Run', 'Add-ons', and 'Help' menus. A 'Run All' button is also visible. The main area contains a code cell labeled '[1]:' with the following Python code:

```
# This Python 3 environment comes with many helpful analytics libraries installed
# It is defined by the kaggle/python Docker image: https://github.com/kaggle/docker-python
# For example, here's several helpful packages to load

import numpy as np # linear algebra
import pandas as pd # data processing, CSV file I/O (e.g. pd.read_csv)

# Input data files are available in the read-only "../input/" directory
# For example, running this (by clicking run or pressing Shift+Enter) will list all files under the input dir

import os
for dirname, _, filenames in os.walk('/kaggle/input'):
    for filename in filenames:
        print(os.path.join(dirname, filename))

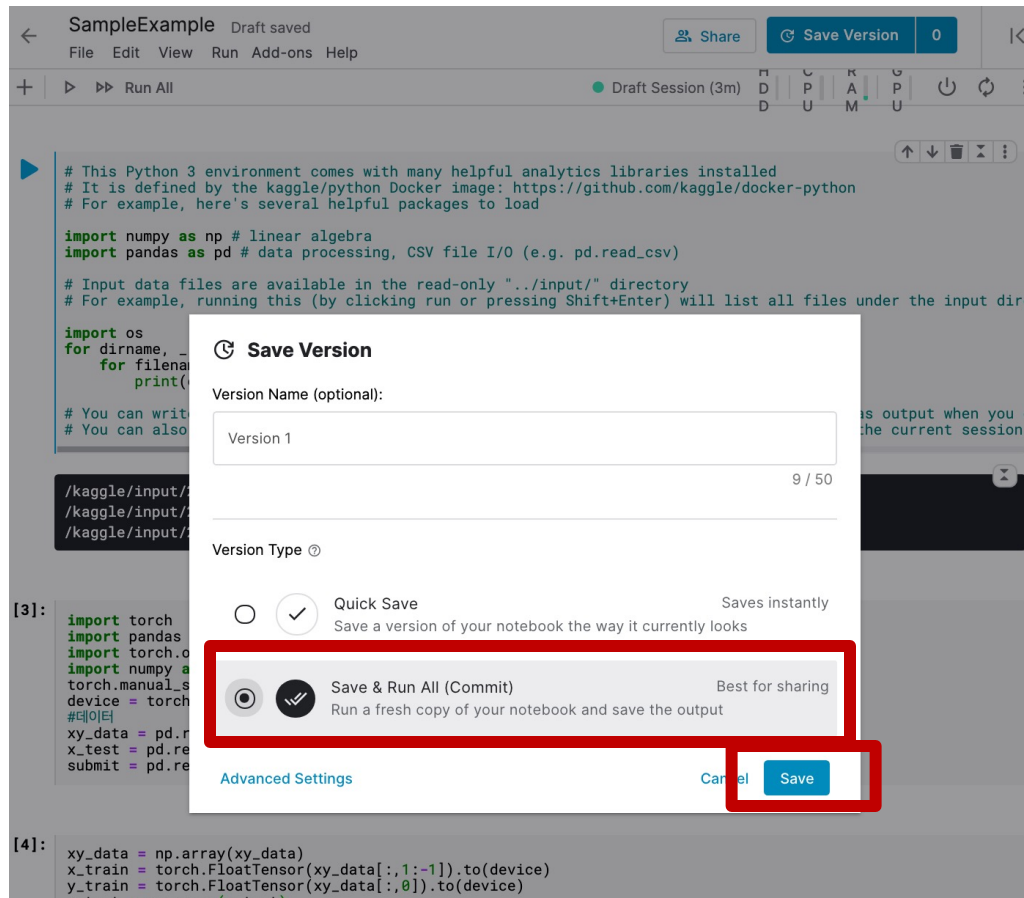
# You can write up to 5GB to the current directory (/kaggle/working/) that gets preserved as output when you
# You can also write temporary files to /kaggle/temp/, but they won't be saved outside of the current session
```

Below the code cell, the output is displayed in a dark box:

```
/kaggle/input/2020-ai-exam-cancer/2020.AI.cancer-sample-submission.csv
/kaggle/input/2020-ai-exam-cancer/2020.AI.cancer-test.csv
/kaggle/input/2020-ai-exam-cancer/2020.AI.cancer-train.csv
```

[2] 노트북 이용한 캐글 리더보드 제출

- 실습
 - 캐글 노트북을 사용하여 답안 제출하기



[2] 노트북 이용한 캐글 리더보드 제출

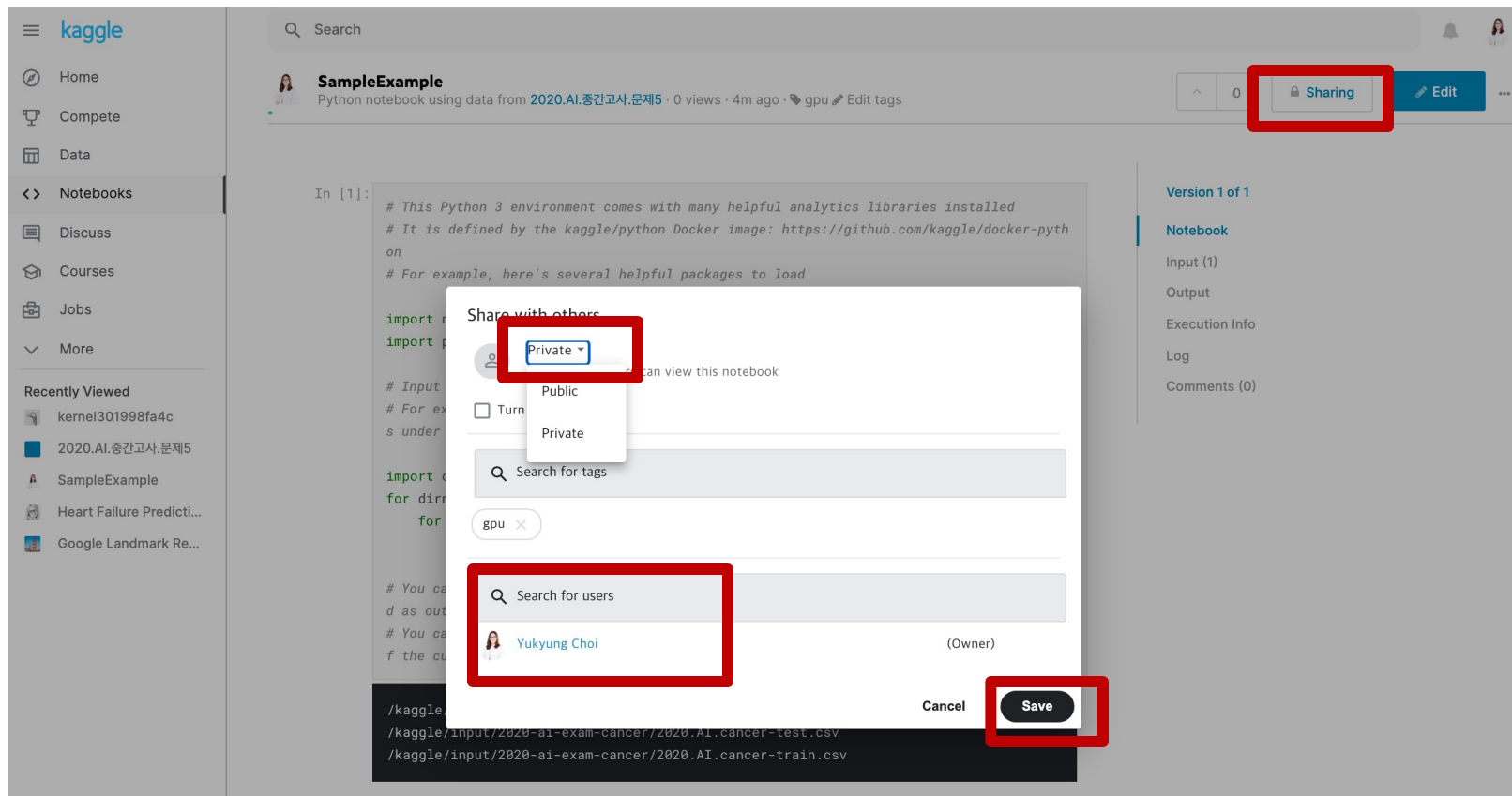
- 실습
 - 캐글 노트북을 사용하여 답안 제출하기

The screenshot displays the Kaggle platform interface. On the left is a sidebar with navigation links: Home, Compete, Data, Notebooks (selected), Discuss, Courses, Jobs, and More. Below these are 'Recently Viewed' items including a kernel, a competition, and a sample notebook. The main area shows the 'Output' of a notebook, specifically a file named 'submit.csv' (929 B). The output is a table with two columns: 'id' and 'diagnosis'. The 'id' column contains integers from 0 to 20, and the 'diagnosis' column contains the character '0' for each row. A red rectangle highlights a blue 'Submit' button with a download icon next to it. On the right side of the interface, a vertical menu shows 'Version 1 of 1' and tabs for 'Notebook', 'Input (1)', 'Output' (which is active), 'Execution Info', 'Log', and 'Comments (0)'.

id	diagnosis
0	0
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0
17	0
18	0
19	0
20	0

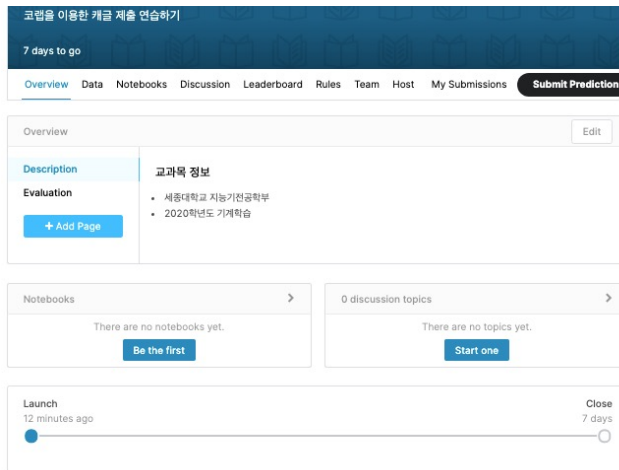
[2] 노트북 이용한 캐글 리더보드 제출

- 실습
 - 캐글 노트북을 사용하여 답안 제출하기



[3] 코랩을 이용한 캐글 리더보드 제출

- 실습 따라하기 (코드는 예제 코드 복사하여 제출) [w3p3참고]
 - Kaggle InClass Competition 참여 버튼 클릭
 - 캐글 계정에서 API Token 을 다운로드
 - Colab에 Kaggle.json 파일 업로드 & json 파일 폴더 이동
 - 챌린지 참가 버튼 클릭 & Kaggle 데이터셋 불러오기
 - 문제 해결하여 sample.csv 에 정답 채우기
 - sample.csv 업로드 or API 로 commit



*본인이 구축한 서버의 주피터 노트 북을 이용해 캐글 리더보드 제출하는 것은 캐글 방법과 동일



[3] 코랩을 이용한 캐글 리더보드 제출

- 실습

- Kaggle InClass Competition 참여 버튼 클릭
 - I Understand and Accept 클릭

코랩을 이용한 캐글 제출 연습하기

4 months to go

Overview Data Code Discussion Leaderboard **Rules** Team Host My Submissions **Submit Predictions**

By clicking on the "I understand and accept" button, you indicate that you agree to be bound with the rules outlined below.

I Understand and Accept

Rules Edit

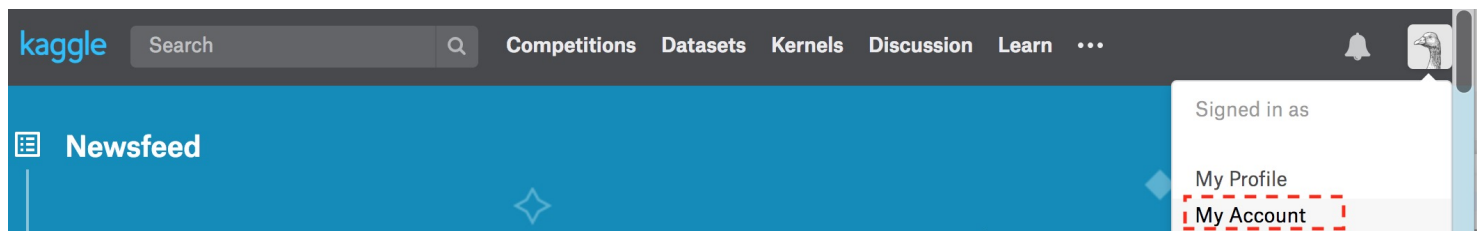
This is a page where you can include rules that participants must accept before joining. You may wish to include rules like:

- Don't cheat!
- Apply yourself!
- Have fun!

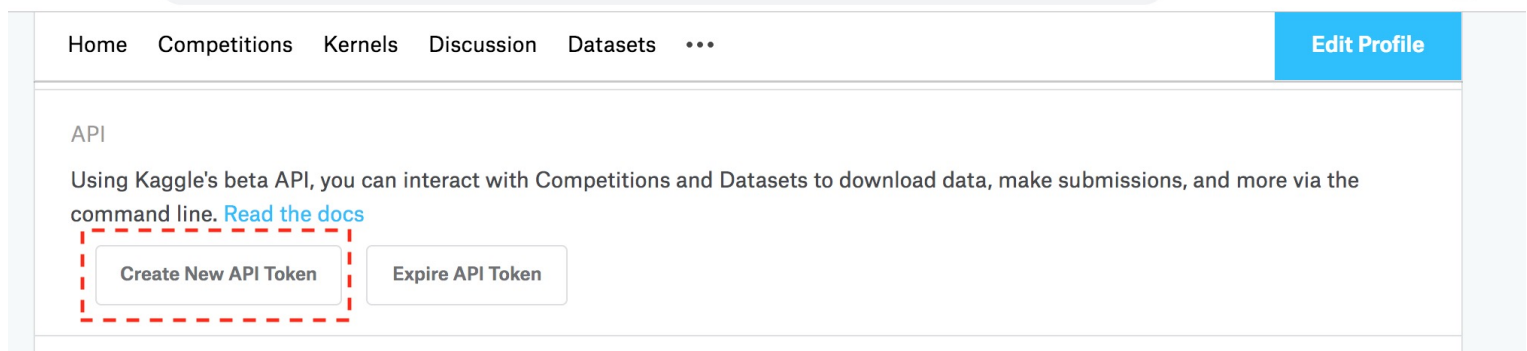
[3] 코랩을 이용한 캐글 리더보드 제출

■ 실습

- 캐글 계정에서 API Token 을 다운로드
 - 오른쪽 상단에서 My Account 에 들어갑니다.



- 내리다 보면 Create New API Token 버튼이 나옵니다. Create New API Token 을 누르면 kaggle.json 파일이 다운로드 됩니다.



[3] 코랩을 이용한 캐글 리더보드 제출

- 실습

- Colab에 Kaggle.json 파일 업로드 & json 파일 폴더 이동

- Colab에서 아래 코드 실행

```
!pip install kaggle
from google.colab import files
files.upload()
```

- json 파일 이동시키기- Kaggle API 를 사용하려면 json 파일을 ~/.kaggle로 이동 시켜야 하기 때문에, 밑의 코드를 실행시킵니다.

```
!mkdir -p ~/.kaggle
!cp kaggle.json ~/.kaggle/

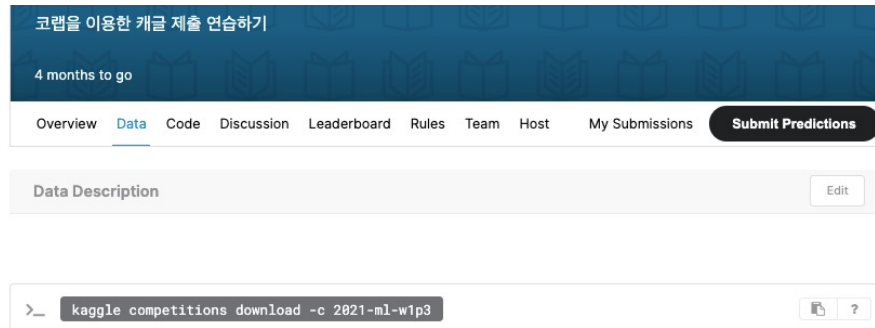
# Permission Warning 이 일어나지 않도록
!chmod 600 ~/.kaggle/kaggle.json

# 본인이 참가한 모든 대회 보기
!kaggle competitions list
```

[3] 코랩을 이용한 캐글 리더보드 제출

■ 실습

■ Kaggle 데이터 셋 불러오기



- Colab 에서 “!” + “(방금 복사한 주소)” 를 입력해줍니다.
- 모두 다운로드 되고, 압축 파일명을 확인 (!ls)

```
[4] 1 ! kaggle competitions download -c 2021-ml-wlp3

Warning: Looks like you're using an outdated API Version, please consider updating (server 1.5.10 /
Downloading 2021.AI.cancer-sample-submission.csv to /content
 0% 0.00/929 [00:00<?, ?B/s]
100% 929/929 [00:00<00:00, 760kB/s]
Downloading 2021.AI.cancer-train.csv to /content
 0% 0.00/100k [00:00<?, ?B/s]
100% 100k/100k [00:00<00:00, 33.2MB/s]
Downloading 2021.AI.cancer-test.csv to /content
 0% 0.00/43.8k [00:00<?, ?B/s]
100% 43.8k/43.8k [00:00<00:00, 19.9MB/s]

[5] 1 !ls
    2

2021.AI.cancer-sample-submission.csv  2021.AI.cancer-train.csv  kaggle.json
2021.AI.cancer-test.csv              'kaggle (1).json'       sample_data
```