

# kaggle

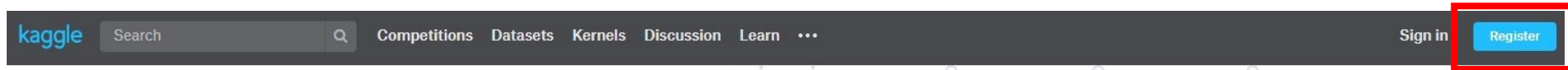


## kaggle 과 Colaboratory 연동하기

Fast Campus  
Start Deep Learning with TensorFlow


# 1. Kaggle 가입하기

- <https://www.kaggle.com> 접속 후 우측 상단에 Register 클릭

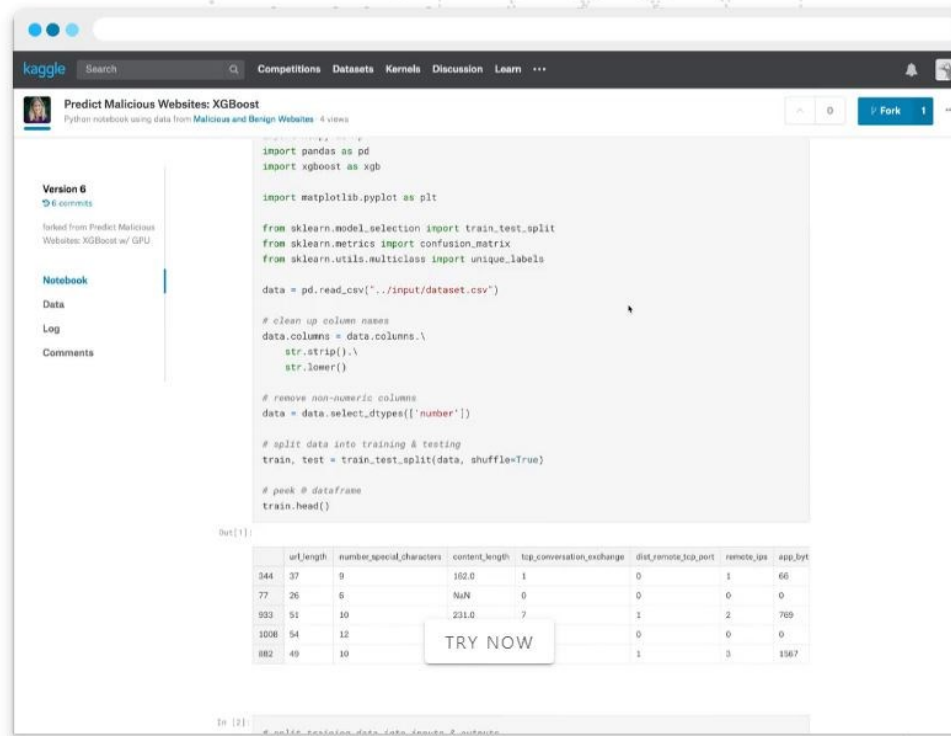


Write, execute, and  
share your code for  
free on Kaggle

Kaggle Kernels is a no-setup, customizable,  
Jupyter Notebooks environment. Access  
free GPUs and a huge repository of  
community published data & code.

 REGISTER WITH GOOGLE

[Register with Email](#)





# 1. Kaggle 가입하기

- Register with Google 클릭하여 본인 google 계정으로 가입

kaggle

[Sign in](#) [Register](#)

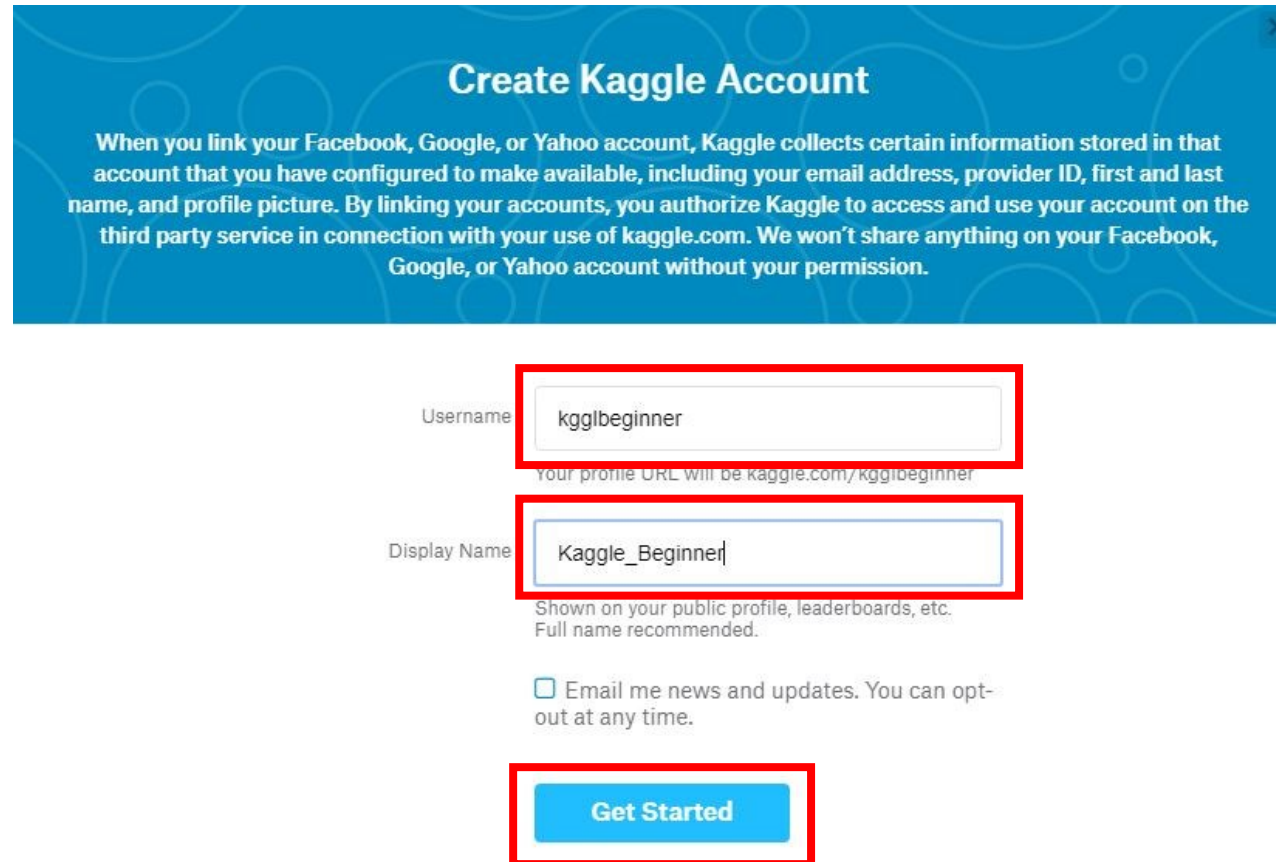
 Register with Google

 Register with your email

Have an account? [Sign in](#)

# 1. Kaggle 가입하기

- Create Kaggle Account 창에서 Username과 Display Name을 입력 후 Get Started 클릭



The image shows the 'Create Kaggle Account' form. It has a blue header with the title 'Create Kaggle Account' and a close button. Below the header is a paragraph explaining that linking social media accounts grants Kaggle access to certain information. The form contains two text input fields: 'Username' with the value 'kgglbeginner' and 'Display Name' with the value 'Kaggle\_Beginner'. Both fields are highlighted with red rectangles. Below the 'Display Name' field is a checkbox for 'Email me news and updates' which is currently unchecked. At the bottom is a blue 'Get Started' button, also highlighted with a red rectangle.

**Create Kaggle Account**

When you link your Facebook, Google, or Yahoo account, Kaggle collects certain information stored in that account that you have configured to make available, including your email address, provider ID, first and last name, and profile picture. By linking your accounts, you authorize Kaggle to access and use your account on the third party service in connection with your use of kaggle.com. We won't share anything on your Facebook, Google, or Yahoo account without your permission.

Username

Your profile URL will be kaggle.com/kgglbeginner

Display Name

Shown on your public profile, leaderboards, etc.  
Full name recommended.

☐ Email me news and updates. You can opt-out at any time.

**Get Started**

# 1. Kaggle 가입하기

- I agree 체크 후 Create Account 클릭

Kaggle Terms of Use

To create a Kaggle account, you'll need to agree to the [Terms of Use](#).

☒ I agree.  
☐ I do not agree.

Kaggle Privacy Policy

In addition, when you create an account, we process your information as described in our Privacy Policy, including the key points below.

**Data we process when you use Kaggle**

- When you set up a Kaggle account, we store information you give us like your name and email address.
- When you use Kaggle to do things like write a forum post or share a kernel, we store the information you create.
- We collect information about the apps, browsers, and devices you use to access our Services by using different types of technology, including cookies, clear gifs, or web beacons.

**Why we process it**

We process this data for the purposes described in our Privacy Policy, including to:

- Deliver our services, like administering competitions you enter or hosting datasets you upload
- Improve security by protecting against fraud and abuse
- Send you messages related to Kaggle or the activities of third parties we work with
- Conduct analytics and measurement to understand how our services are used

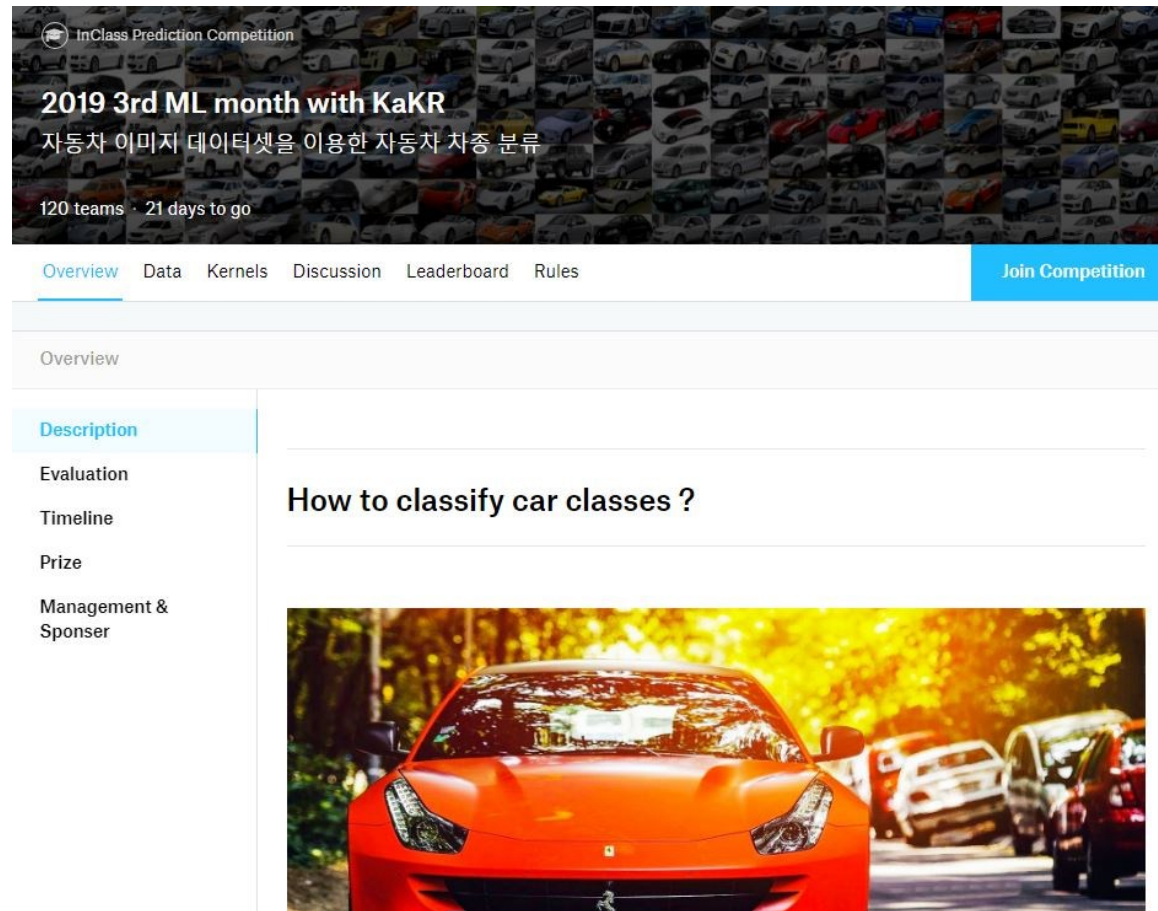
By clicking this checkbox, you confirm that you accept our [Privacy Policy](#).

☒ I agree.  
☐ I do not agree.

Create Account

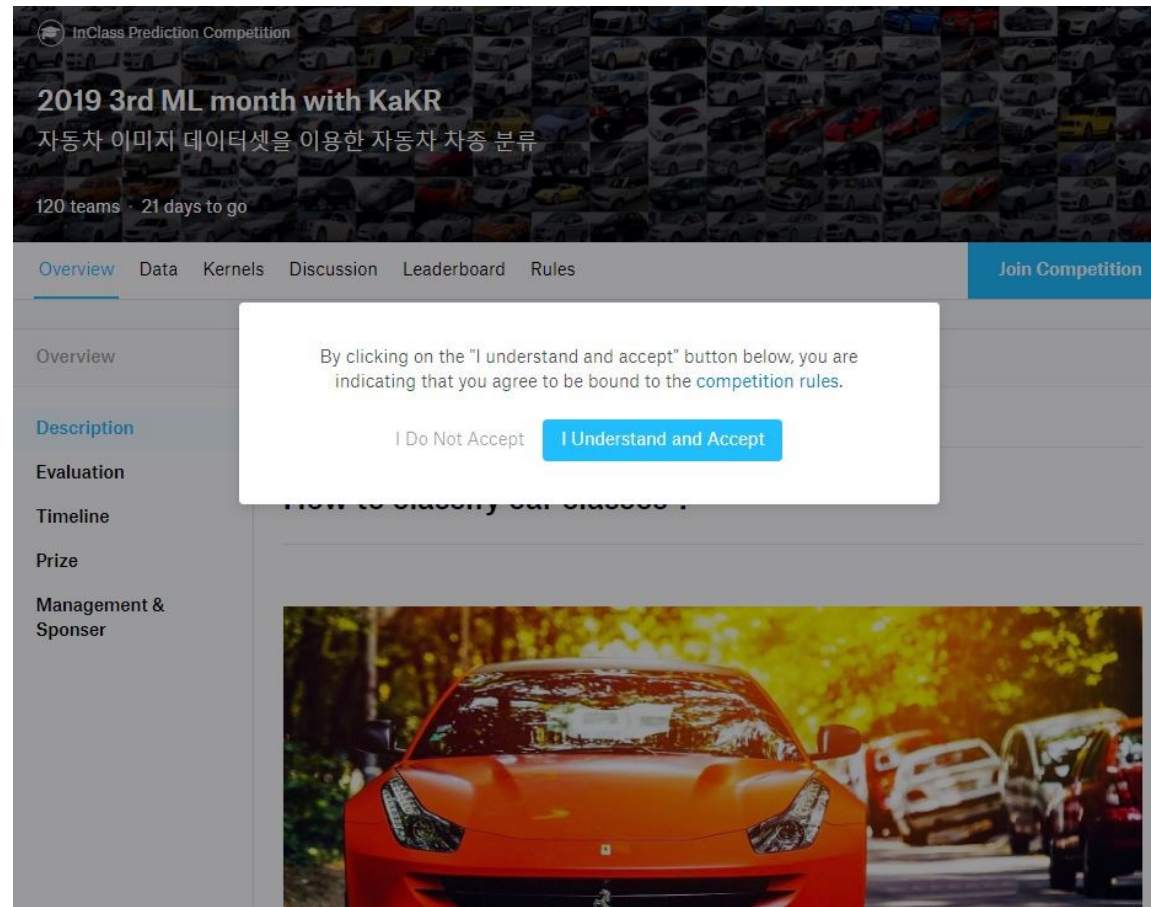
## 2. 대회 신청하기

- 대회 페이지 접속(처음 접속 시 반드시 아래 주소로만 접속 가능)
  - <https://www.kaggle.com/t/4f86a975437f49a9ab14bofb38482251>



## 2. 대회 신청하기

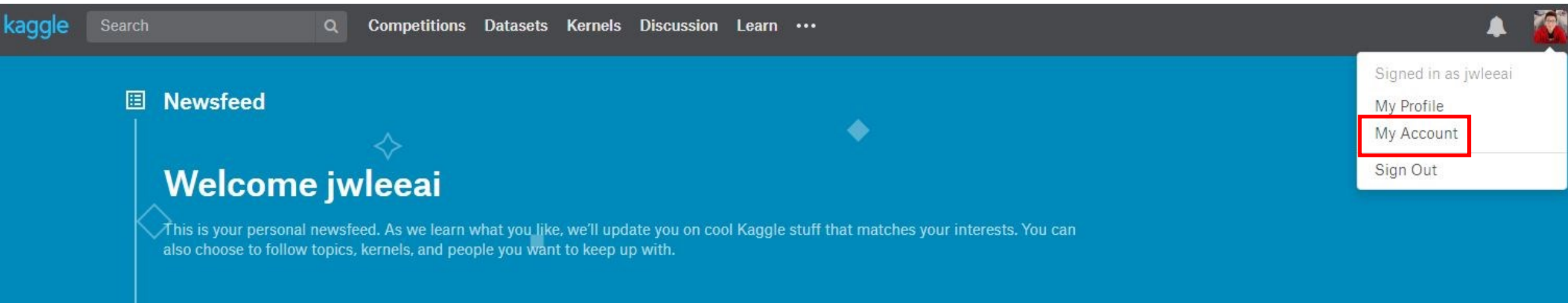
- 우측 상단에 “Join Competition” 클릭 후 “I Understand and Accept” 클릭





### 3. Colab과 연동하기

- Kaggle 홈페이지로 돌아와서 우측 상단에 본인 Icon 클릭 후 “My Account” 클릭





### 3. Colab과 연동하기

- 아래쪽으로 내려가다 보면 보이는 API 부분에서 “Create New API Token” 클릭하여 kaggle.json 파일 저장

Phone Verification

Verified

Email Preferences

☐ Subscribe to mailing list for competition updates

API

Using Kaggle's beta API, you can interact with Competitions and Datasets to download data, make submissions, and more via the command line. [Read the docs](#)

Create New API Token

Expire API Token

### 3. Colab과 연동하기

- 다운받은 kaggle.json 파일을 Google Drive의 TensorFlow\_Training\_13th 아래에 있는 kaggle 폴더에 upload

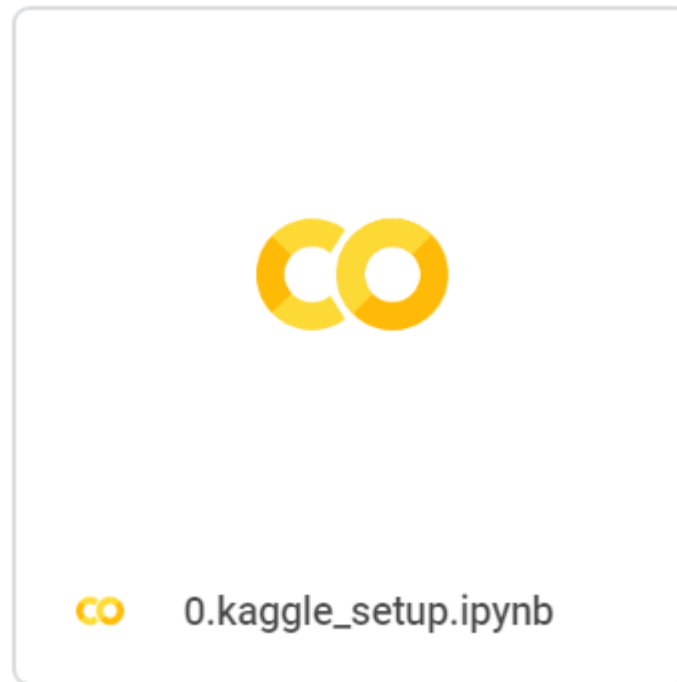
---

내 드라이브 > TensorFlow\_Training\_13th > kaggle ▼

---

### 3. Colab과 연동하기

- Kaggle 폴더에 있는 0.kaggle\_setup.ipynb 실행
  - 주의! Google Drive 용량 확인! (최소 2.6GB 이상 필요)



# 4. Run!

- 대회 홈페이지에서 마음에 드는 kernel 다운로드 후 google drive의 kaggle 폴더에 upload하여 실행

The screenshot shows the Kaggle competition page for '2019 3rd ML month with KaKR'. The page features a grid of car images at the top. Below the header, there are tabs for 'Overview', 'Data', 'Kernels' (highlighted with a red box), 'Discussion', 'Leaderboard', 'Rules', and 'Team'. A 'New Kernel' button is also visible. Under the 'Kernels' tab, a list of kernels is displayed. The first kernel, '[3rd ML Month] Car Model Classification Baseline' by TaeJin Kim, is highlighted with a red box. It has a score of 0.56223 and is labeled as a 'tutorial, beginner, starter code'. Other kernels in the list include 'Xception, StratifiedKfold, Ensemble', 'Pytorch Baseline (updated 7.10)', 'Car Image Cropping - updated 7.10', 'EDA', 'pytorch inference (tta 적용)', and 'AutoAugmentation'.

## Car Model Classification Baseline

ta from 2019 3rd ML month with KaKR · 3,576 views · 16d ago · starter code, beginner, tutorial

66 Copy and Edit 138

- Download code
- Copy API command
- Report kernel

### Submission

✓ Ran successfully

Submitted by TaeJin Kim 9 days ago

### Public Score

0.47871

### Modified

2019.07.10 - 새 데이터셋 실행 2019.07.11 - 수정된 데이터 재실행

## 3rd ML Month - Car Model Classification

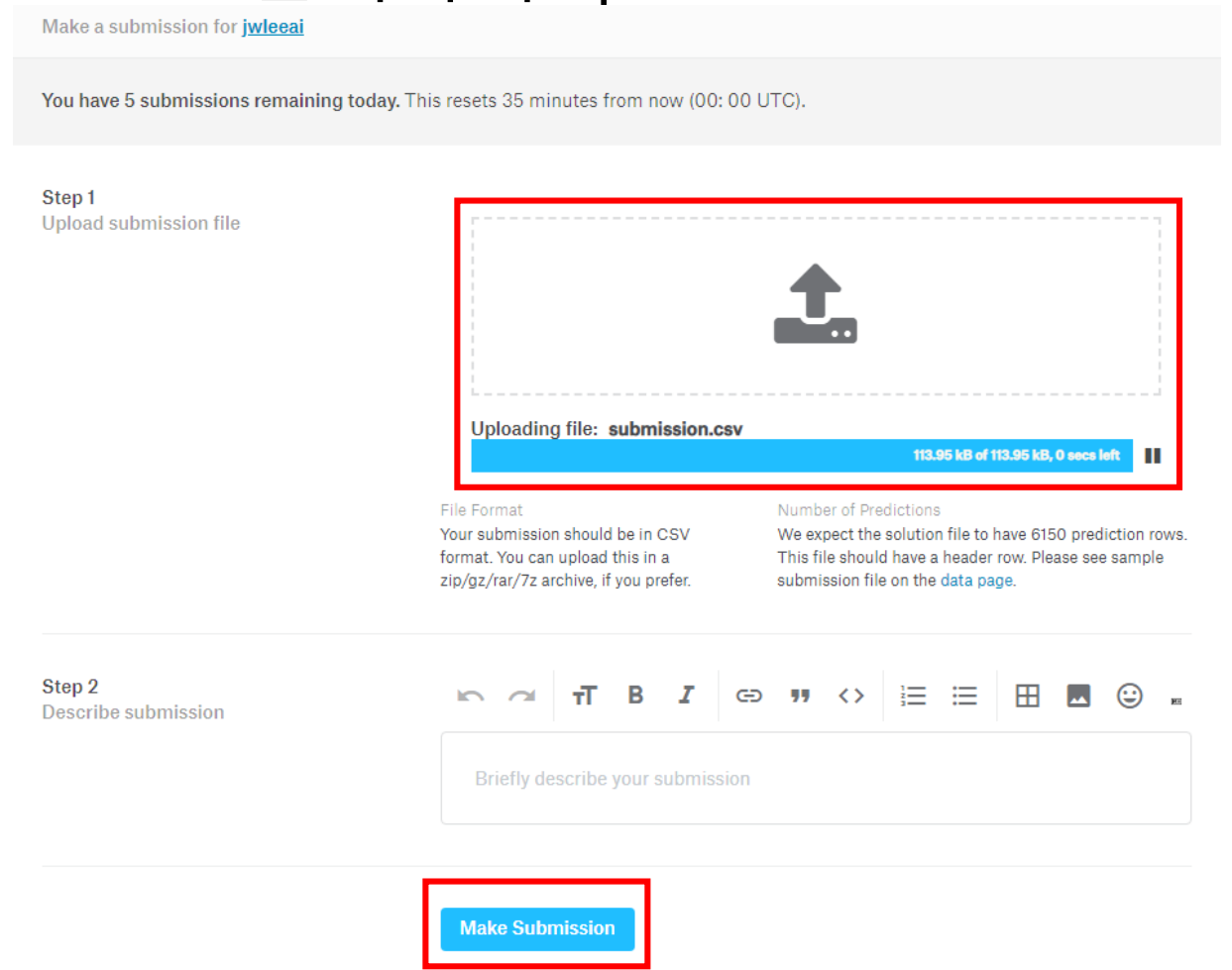
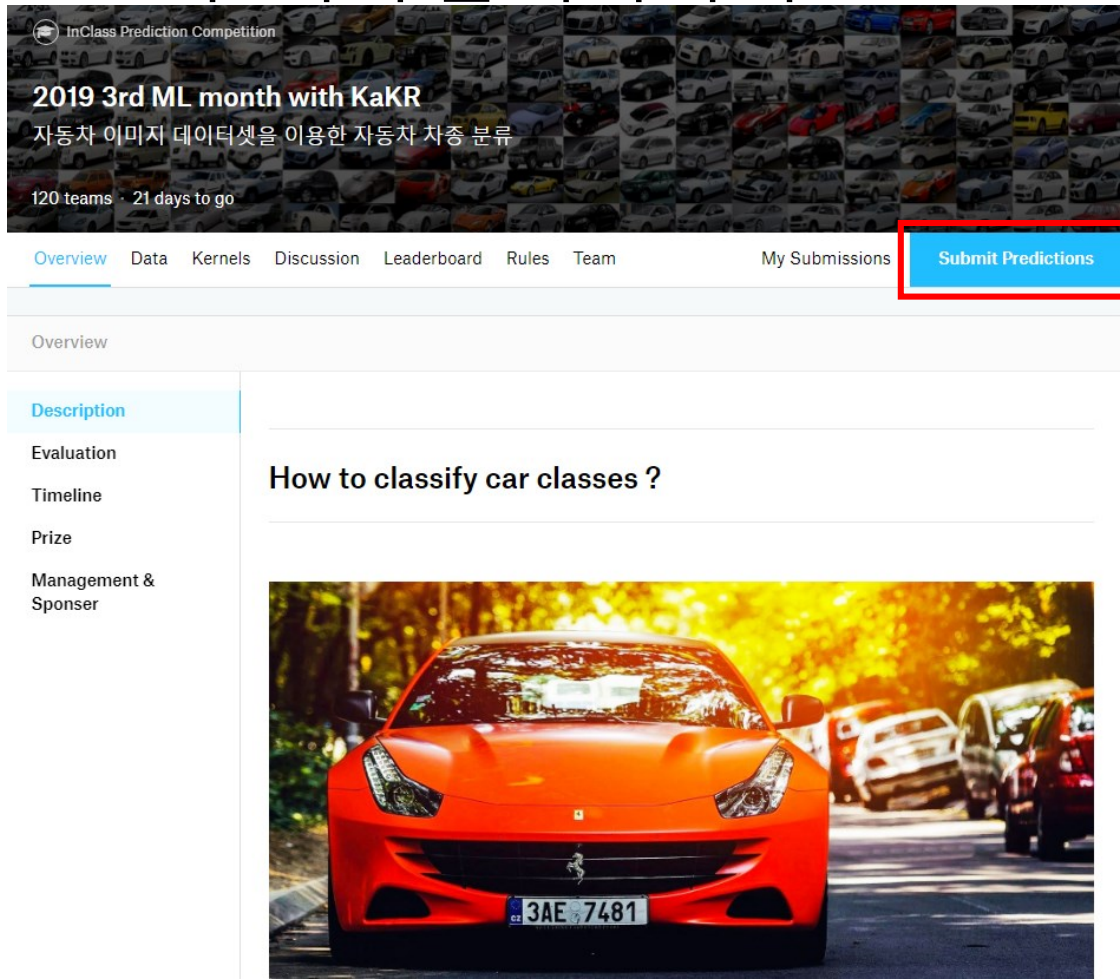


## 4. Run!

- 본인의 코드 작성하여 다양한 방법으로 실험하기

# 5. Submit

- Google Drive에 저장된 csv 파일(예: submission.csv)을 다운로드 한 후 대회 홈페이지에 Submit Predictions 클릭하여 upload



## 5. Submit

- Upload 완료 후 Jump to your position on the leaderboard 클릭하여 본인 순위 확인

| Your most recent submission                                |           |           |                |         |
|--|-----------|-----------|----------------|---------|
| Name   | Submitted | Wait time | Execution time | Score   |
| submission.csv   | just now  | 0 seconds | 0 seconds      | 0.46628 |
| Complete   |           |           |                |         |
| <a href="#">Jump to your position on the leaderboard ▾</a> |           |           |                |         |