

Kaggle 대회 참여하기

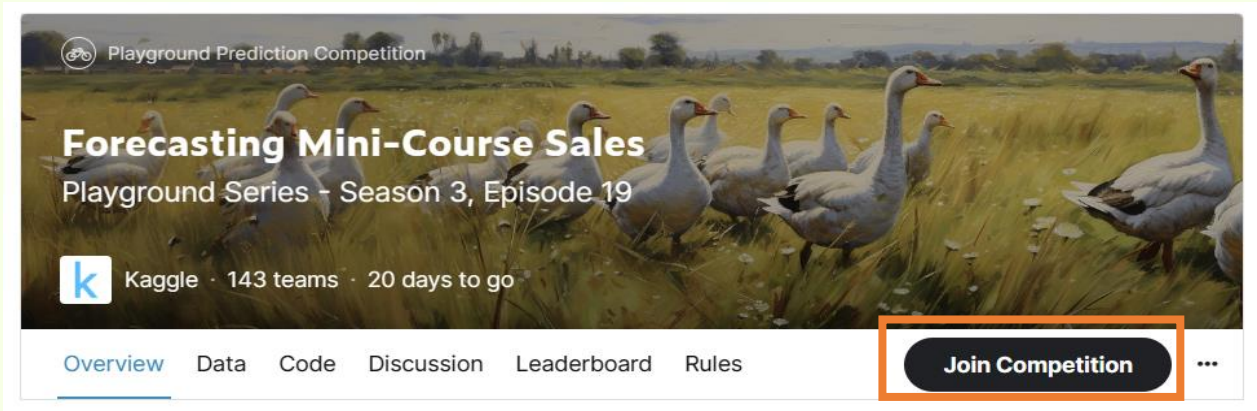
캐글에서 초보자를 위한 대회로, 날짜에
따른 각 국가, 상점, 상품에 대한 판매량
을 예측하는 대회

01 대회 설명

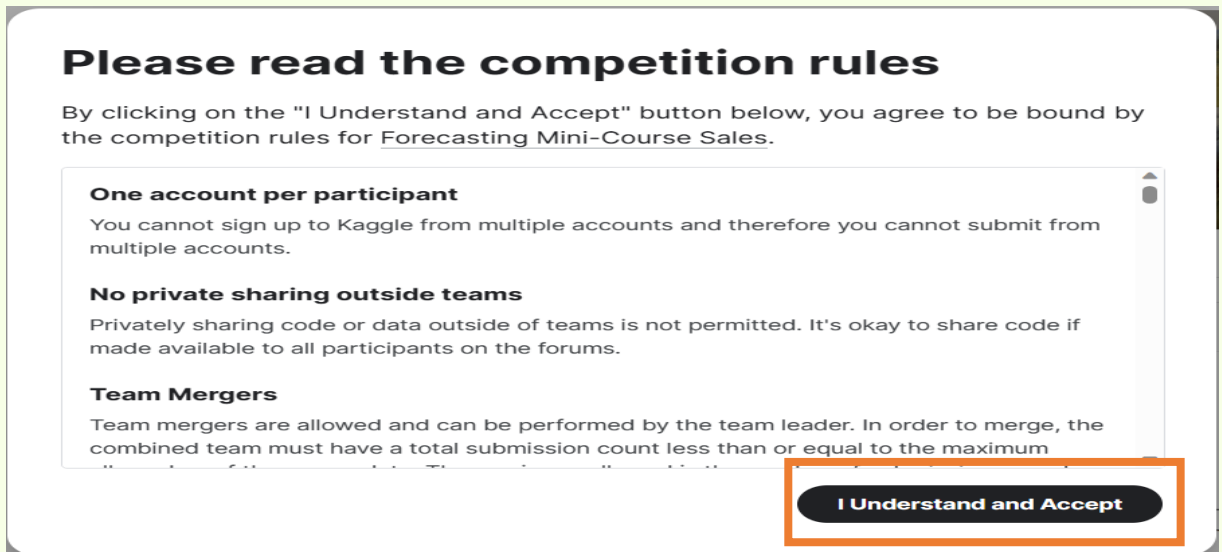


- 대회 이름 : Forecasting Mini-Course Sales
- 대회 기간 : 2023.07.11 ~ 2023.07.31
- 대회 주제 : 품목의 판매량을 예측하는 대회
- 데이터 세트 : 날짜, 국가, 상점, 상품, 판매량에 대한 데이터를 포함하고 있음.
- 평가 방법 : 평가지표 SMAPE를 이용
- 상금 : 캐글 상품 선택

01 대회 참여



STEP 01. 'Join Competition' 버튼을 선택한다.



STEP 02. 대회 규칙을 읽고, 동의하면 'I Understand and Accept' 버튼을 선택한다.



버튼이 이제 'Submit Predictions'으로 변경되었음을 확인.

02 데이터 이해

[train.csv] 학습을 위한 데이터 셋

id	date	country	store	product	num_sold
0	2017-01-01	Argentina	Kaggle Learn	Using LLMs to Improve Your Coding	63
4	2017-01-01	Argentina	Kaggle Learn	Using LLMs to Write Better	49
5	2017-01-01	Argentina	Kaggle Store	Using LLMs to Improve Your Coding	88
9	2017-01-01	Argentina	Kaggle Store	Using LLMs to Write Better	69
10	2017-01-01	Argentina	Kagglazon	Using LLMs to Improve Your Coding	340
14	2017-01-01	Argentina	Kagglazon	Using LLMs to Write Better	285
15	2017-01-01	Canada	Kaggle Learn	Using LLMs to Improve Your Coding	202
19	2017-01-01	Canada	Kaggle Learn	Using LLMs to Write Better	138
20	2017-01-01	Canada	Kaggle Store	Using LLMs to Improve Your Coding	274
24	2017-01-01	Canada	Kaggle Store	Using LLMs to Write Better	249
25	2017-01-01	Canada	Kagglazon	Using LLMs to Improve Your Coding	1041
29	2017-01-01	Canada	Kagglazon	Using LLMs to Write Better	866
30	2017-01-01	Estonia	Kaggle Learn	Using LLMs to Improve Your Coding	92
34	2017-01-01	Estonia	Kaggle Learn	Using LLMs to Write Better	70
35	2017-01-01	Estonia	Kaggle Store	Using LLMs to Improve Your Coding	132
36	2017-01-01	Estonia	Kaggle Store	Using LLMs to Train More LLMs	129

[test.csv] 예측(평가)을 위한 데이터 셋

id	date	country	store	product
136950	2022-01-01	Argentina	Kaggle Learn	Using LLMs to Improve Your Coding
136951	2022-01-01	Argentina	Kaggle Learn	Using LLMs to Train More LLMs
136952	2022-01-01	Argentina	Kaggle Learn	Using LLMs to Win Friends and Influence People
136953	2022-01-01	Argentina	Kaggle Learn	Using LLMs to Win More Kaggle Competitions
... ..				
164320	2022-12-31	Spain	Kagglazon	Using LLMs to Improve Your Coding
164321	2022-12-31	Spain	Kagglazon	Using LLMs to Train More LLMs
164322	2022-12-31	Spain	Kagglazon	Using LLMs to Win Friends and Influence People
164323	2022-12-31	Spain	Kagglazon	Using LLMs to Win More Kaggle Competitions
164324	2022-12-31	Spain	Kagglazon	Using LLMs to Write Better

[sample_submission.csv] 제출용 데이터 셋

id	num_sold		
136950	100	...	164323
136951	100		164324
			100

03 데이터 확인(EDA)

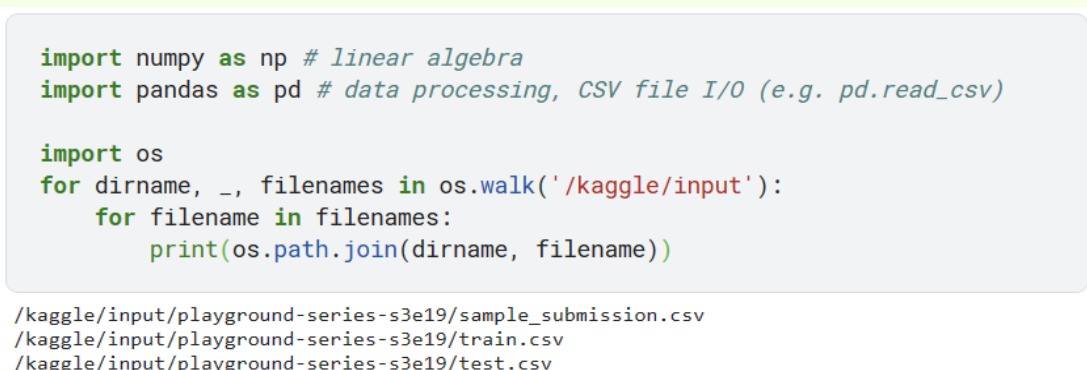
01 [Code] – [New Notebook]을 선택



02 노트북 이름 변경 후, 셀 실행



03 셀을 실행하면 데이터 셋의 위치가 확인.



04 노트북 실행 및 저장

01 코드 입력 후, 'Save Version'의 버튼을 선택 후, 실행 및 저장

Kaggle_Start02_BaselineModel_23... Draft saved

File Edit View Run Add-ons Help

Share Save Version 1

train.shape, test.shape, sub.shape

[1]: ((136950, 6), (27375, 5), (27375, 2))

[2]: train.head(3)

	id	date	country	store	product	num_sold
0	0	2017-01-01	Argentina	Kaggle Learn	Using LLMs to Improve Your Coding	63
1	1	2017-01-01	Argentina	Kaggle Learn	Using LLMs to Train More LLMs	66
2	2	2017-01-01	Argentina	Kaggle Learn	Using LLMs to Win Friends and Influence People	9

* 실행 후, 실행 결과 코드 확인은 'Save Version'옆에 번호를 선택하면 된다.

Version History

Version 1 9m ago

Save & Run All • Diff: +104 -0

Ran in 0 seconds

- Open in Viewer
- Revert to version
- Pin as default version
- Edit version name
- View logs
- Compare version
- Submit to Competition

'Open in Viewer'

실행 결과 확인

'Submit to Competition'


대회에 생성된 결과 제출

05 대회에 예측 결과 제출

01 [Submit to Competition] 선택 - Submit(제출)

× Submit to Competition

File Upload Notebook


Forecasting Mini-Course Sales
 You have 5 submissions remaining today. This resets in 20 hours.

SELECT NOTEBOOK
 Kaggle_Start02_BaselineModel_2307

NOTEBOOK VERSION
 Version 1


OUTPUT FILE
 01_baseline_model.csv

DESCRIPTION
 Enter a description
 0 / 500

Cancel **Submit**

‘Submit’을 선택하면 생성된 예측 결과가 대회에 제출되고, 결과 확인이 가능

02 평가지표로 확인한 결과 확인(Public Score)이 가능

Submissions			0/2
Select up to 2 submissions that will count towards your final leaderboard score. If less than 2 are selected, Kaggle will automatically select from your best scoring submissions. Learn More			
<input checked="" type="checkbox"/> Auto-selection candidates ⓘ			
<div> All Successful Selected Errors </div>			Recent ▾
Submission and Description	Public Score ⓘ	Select	
<div>  Kaggle_Start02_BaselineModel_2307 - Version 1 Complete · 15s ago </div>	55.769	<input type="checkbox"/>	

현재 이 대회는 최소 2번 이상 제출해야 랭킹을 확인이 가능한 시스템으로 되어 있음.