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전처리

이 이

errorsystem 01124 problem : 사용자 '가' 불만 제기 quality : system Fuel

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사용자 (사용자)[외부] # user\_id AHAHID

**train\_problem data (사**용자 불만 및 불만이 접수된 시간)

\* user\_id (FK) 49 AHD

bme 불만접수시관

| 시스템 [시스템) [회부] | O model nm 모델명

O fwver

펌웨며 버전

rain\_err\_data (시스템에 발생한 에러 로그) \* user\_id (FK) 19 AHD O time 로그 발생시관 \* model\_nm 999

twver 펌웨어 버전 O enrtype

에레타협 Orcode 에러코드

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**train\_quality\_data (시**스템 퀄리티 로그,

O time 로그발생시간 0 guality\_5 \* user\_id (FK) 사용자ID, O quality\_6 O fwver 펌웨어 버전 o quality\_7 O quality\_0

퀄리티 0 O quality\_8 O quality\_1 퀼리티 1 O quality\_9 O quality\_2 틸리티 2

O quality\_10 O quality\_3 퀄리티 3 O quality\_11 O quality\_4 퀄리티 4 O quality\_12

필리티 5 필리티

리티 7 퀄리티 8 필리티 퀄리티 10 필리티 11 필리티 12

| https://dacon.io/competitions/official/235687/talkboard/402316?

page=1&dtype=recent&ptype=pub

|

| 사용자 (사용자) [외부] |

# userid 사용자ID)

**train\_problem\_data** (사용자 불만 및 불만이 접수된 시간)

\* user id (FR) 사용자ID O time 불만접수시간

| 시스템 (시스템) [외부] | O model nm 모델명 | O fwver

펌튀여버전

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**train\_err\_data (시스**템에 발생한 에러 로그)

# user\_id (FK) A AHID

o time 로그 발생시간

model\_nmm 모델명 A twver 펌웨어버전

ertype 에러타입 O Ercode 에러코드

**train\_quality\_**data (시스템 필리티 로그)

O time

로그 발생시간 0 quality\_5 \* user\_id (FK) 사용자ID, O quality\_6 O fwver 펌웨어 버전 O quality\_7 o quality\_0 퀄리티\_D O quality\_8 O quality\_1 퀄리티 1 O quality\_9 o quality\_2 권리티 고 o quality\_10 o quality\_3 퀄리티 3 o quality\_11 O quality\_4 퀄리티 4

O quality\_12

퀄리티 5 퀄리티 16 퀄리티 퀄리티 8 퀄리티 궐리티 10 퀄리티 11 퀄리티 12

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**ALIBE**

**Miu Manance**

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O2i! **is\_prob = res**['user\_id" ] == 10005 **is\_err = res[**'errtype'] == 0 譯 조건를 충족하는 데이터를 필터링하며 새로운 변수에 저장합니다. Ir = res[is\_prob] **prob\_res = res[is\_err *&* is prob]**#.head() . index[0] #prob.sort\_values (by='errtype', ascending=True, inplace=True) # 229 92840). **display (prob\_res)** rr.to\_csv*i* 'output.csv')

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*Tim*e-Quality Analysis

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