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도움말 변경사항을 저장할 수 없음

+ 코드 + 텍스트 + Drive로 복사

[1]
Date

[2]
!pip install pandas matplotlib
import pandas as pd
import matplotlib.pyplot as plt
url = "https://covid.ourworldindata.org/data/owid-covid-data.csv"
data = pd.read_csv(url)
countries = ['South Korea', 'France']
df = data[data['location'].isin(countries)]
df = df[['date', 'location', 'total_cases', 'population']]
df['cases_per_population'] = (df['total_cases'] / df['population']) * 100
df_pivot = df.pivot(index='date', columns='location', values='cases_per_population')
df_pivot.index = pd.to_datetime(df_pivot.index)
plt.figure(figsize=(14, 7))
plt.plot(df_pivot.index, df_pivot['South Korea'], label='KOR')
plt.plot(df_pivot.index, df_pivot['France'], label='FRA')
plt.xlabel('date')
plt.ylabel('Total Cases per Population (%)')
plt.title('COVID-19 Cases per Population in South Korea and France')
plt.legend()
plt.grid(True)
plt.gca().xaxis.set_major_formatter(plt.matplotlib.dates.DateFormatter('%Y-%m-%d'))
plt.xticks(rotation=45)
plt.tight_layout()
plt.show()
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