import pandas as pd

import matplotlib.pyplot as plt

df = pd.read\_csv(r"c:\Users\dadak\OneDrive\문서\temperature\_data.csv")

df["Date"] = pd.to\_datetime(df["Date"])

monthly\_avg = df.resample("M", on="Date")["Temperature (Celsius)"].mean().reset\_index()

plt.figure(figsize=(10,5))

plt.plot(monthly\_avg["Date"], monthly\_avg["Temperature (Celsius)"],

         color='red', linewidth=2, marker='o', label="Monthly Avg Temperature")

plt.title("Monthly Average Temperature Trend")

plt.xlabel("Month")

plt.ylabel("Temperature (°C)")

plt.grid(True, linestyle="--", alpha=0.7)

plt.legend()

plt.tight\_layout()

plt.show()

OUTPUT:

FutureWarning: 'M' is deprecated and will be removed in a future version, please use 'ME' instead.

monthly\_avg = df.resample("M", on="Date")["Temperature (Celsius)"].mean().reset\_index()

