Interpolate Debt/GDP and Compare to Unemployment - Question & Answer

# Question:

Interpolate quarterly debt/GDP data to match monthly unemployment rate and plot both series for comparison.

# Answer (Code):

# Import & inspect data here  
data = pd.read\_csv('debt\_unemployment.csv', parse\_dates=['date'], index\_col='date')  
print(data.info())  
  
# Interpolate and inspect here  
interpolated = data.interpolate()  
print(interpolated)  
  
# Plot interpolated data here  
interpolated.plot(secondary\_y='Unemployment')  
plt.show()

## Question Explanation (20 words):

The question involves filling missing values in debt/GDP data using interpolation and comparing the result with unemployment rate.

## Answer Explanation (20 words):

We use interpolate() to upsample quarterly debt/GDP, then visualize both series with unemployment on a secondary y-axis.

## Reference Image:

