Create Weekly from Monthly Unemployment Data - Question & Answer

# Question:

Convert monthly unemployment data to weekly frequency using asfreq, with no fill, backward fill, and forward fill, and plot.

# Answer (Code):

# Import data here  
data = pd.read\_csv('unemployment.csv', parse\_dates=['date'], index\_col='date')  
  
# Show first five rows of weekly series  
print(data.asfreq('W').head())  
  
# Show first five rows of weekly series with bfill option  
print(data.asfreq('W', method='bfill').head())  
  
# Create weekly series with ffill option and show first five rows  
weekly\_ffill = data.asfreq('W', method='ffill')  
print(weekly\_ffill.head())  
  
# Plot weekly\_ffill starting 2015 here  
weekly\_ffill['2015':].plot()  
plt.show()

## Question Explanation (20 words):

The question converts monthly unemployment data to weekly using asfreq and shows effects of no fill, bfill, and ffill options.

## Answer Explanation (20 words):

We load data, upsample it weekly using asfreq with fill methods, display first rows, and plot forward-filled data since 2015.

## Reference Image:

