Shifting Stock Prices Across Time (Corrected) - Question & Answer

# Question:

Shift the Google stock price series by 90 business days both past and future, creating new columns and plotting them.

# Answer (Code):

# Import data here  
google = pd.read\_csv('google.csv', parse\_dates=['Date'], index\_col='Date')  
  
# Set data frequency to business daily  
google = google.asfreq('B')  
  
# Create 'lagged' and 'shifted'  
google['lagged'] = google['Close'].shift(periods=-90) # Shift into the past  
google['shifted'] = google['Close'].shift(periods=90) # Shift into the future  
  
# Plot the google price series  
google[['Close', 'lagged', 'shifted']].plot()  
plt.show()

## Question Explanation (20 words):

The question asks for shifting stock prices forward and backward by 90 business days to visualize historical and future trends.

## Answer Explanation (20 words):

We use shift(periods=-90) and shift(periods=90) on 'Close' to create lagged and shifted series, then plot all columns.

## Reference Image:

