Exercise Solution

# Question:

Rolling 360-day median & std. deviation for NYC ozone data since 2000.  
  
You need to use a 360-day rolling window and apply .agg() to calculate the mean and standard deviation for daily average ozone values since 2000.

# Answer (Code):

# Import and inspect ozone data here  
data = pd.read\_csv('ozone.csv', parse\_dates=['date'], index\_col='date').dropna()  
print(data.info())  
  
# Calculate the rolling mean and std here  
rolling\_stats = data['Ozone'].rolling(360).agg(['mean', 'std'])  
  
# Join rolling\_stats with ozone data  
stats = data.join(rolling\_stats)  
  
# Plot stats  
stats.plot(subplots=True)  
plt.show()

# Question Explanation:

The task requires applying a 360-day rolling window on ozone data since 2000 to compute rolling mean and standard deviation.

# Answer Explanation:

The code imports ozone data, calculates 360-day rolling mean and std using .agg(), joins them with original data, and plots the results.

# Exercise Screenshot:

