import pandas as pd

from statsmodels.tsa.arima.model import ARIMA

from sklearn.metrics import mean\_squared\_error, mean\_absolute\_error

import matplotlib.pyplot as plt

df = pd.read\_csv('path/to/your\_sales\_data.csv', parse\_dates=['Date'], index\_col='Date')

df['Sales'].fillna(method='ffill', inplace=True)

train\_size = int(len(df) \* 0.8)

train, test = df[0:train\_size], df[train\_size:]

model = ARIMA(train['Sales'], order=(5, 1, 0))

model\_fit = model.fit()

predictions = model\_fit.forecast(steps=len(test))

mse = mean\_squared\_error(test['Sales'], predictions)

mae = mean\_absolute\_error(test['Sales'], predictions)

print(f'Mean Squared Error: {mse}')

print(f'Mean Absolute Error: {mae}')

plt.figure(figsize=(10, 6))

plt.plot(train['Sales'], label='Training Sales')

plt.plot(test['Sales'], label='Actual Sales')

plt.plot(test.index, predictions, label='Predicted Sales', color='red')

plt.legend()

plt.show()