import pandas as pd

import numpy as np

import matplotlib.pyplot as plt

import seaborn as sns

np.random.seed(0)

data\_dict = {

'Group': np.random.choice(['A', 'B', 'C', 'D', 'E'], 100),

'Measurement': np.random.randn(100)

}

dataframe = pd.DataFrame(data\_dict)

# Create a box plot

plt.figure(figsize=(12, 6))

sns.boxplot(x='Group', y='Measurement', data=dataframe)

plt.xlabel('Group')

plt.ylabel('Measurement')

plt.title('Box Plot of Measurement by Group')

plt.grid(True)

plt.show()