```python
# Import libraries
import numpy as np
import matplotlib.pyplot as plt
import pandas as pd
import seaborn as sns


# Generate a normally distributed dataset with mean=50 and standard deviation=10
data = np.random.normal(50, 10, 50)
# Calculate the mean, median, and mode of the dataset
mean = np.mean(data)
median = np.median(data)
mode = np.round(np.mean(data))
# Print the results
print('For the normally distributed dataset:')
print('Mean: ', mean)
print('Median: ', median)
print('Mode: ', mode)




len(data)


# Generate a skewed dataset with mean=50 and standard deviation=10
data_skewed = np.random.normal(50, 10, 50)**5
# Calculate the mean, median, and mode of the skewed dataset
mean_skewed = np.mean(data_skewed)
median_skewed = np.median(data_skewed)
mode_skewed = np.round(np.mean(data_skewed))
print('For the skewed dataset:')
print('Mean: ', mean_skewed)
print('Median: ', median_skewed)
print('Mode: ', mode_skewed)




import matplotlib.pyplot as plt
import seaborn as sns

def create_box_plot(data):
    plt.figure(figsize=(8, 6))
    sns.boxplot(data=data)
    plt.title('Box Plot')
    plt.xlabel('Data')
    plt.ylabel('Values')
    plt.show()

# Example data
data = {
    'Group A': [10, 12, 15, 18, 20, 22],#add -1 and see outlier
    'Group B': [11, 14, 17, 20, 23, 26],
    'Group C': [8, 10, 12, 14, 16, 18]
}

create_box_plot(data)



#Questions on Range measure: Use IPL data to do the following
```

#Q1:From IPL data, use sold price feature to calculate min and max values of it

#Q2:From IPL data, use sold price feature to calculate IQR

#Q3:From IPL data, use sold price feature to calculate its median

#Q1:From IPL data, use sold price feature to calculate min and max values of it

#Q2:From IPL data, use sold price feature to calculate IQR

#Q3:From IPL data, use sold price feature to calculate its median