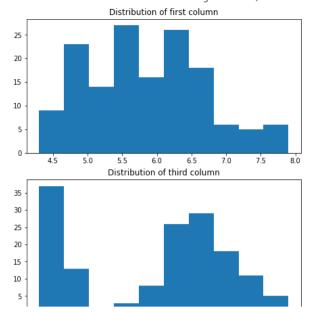
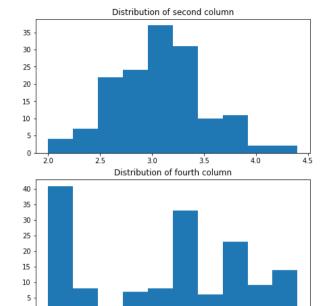
```
import numpy as np
import pandas as pd
df = pd.read_csv(r'/content/iris.csv', names=['col1','col2','col3','col4','col5'])
df.head()
      col1 col2 col3 col4
                          col5
        5.1
            3.5
                 1.4
                      0.2 Setosa
    1
        4.9
            3.0
                 1.4
                      0.2 Setosa
        4.7
            3.2
                 1.3
                     0.2 Setosa
                 1.5 0.2 Setosa
        4.6
            3.1
                1.4 0.2 Setosa
        5.0 3.6
column = len(list(df))
column
    5
df.info()
    <class 'pandas.core.frame.DataFrame'>
    RangeIndex: 150 entries, 0 to 149
    Data columns (total 5 columns):
    # Column Non-Null Count Dtype
    0 col1 150 non-null
                           float64
            150 non-null
                           float64
       col2
    1
    2 col3
             150 non-null
                           float64
    3 col4 150 non-null float64
             150 non-null
    4 col5
                           object
    dtypes: float64(4), object(1)
    memory usage: 6.0+ KB
np.unique(df['col5'])
    array(['Setosa', 'Versicolor', 'Virginica'], dtype=object)
import seaborn as sns
import matplotlib.pyplot as plt
%matplotlib inline
fig, axes = plt.subplots(2, 2, figsize=(16, 8))
axes[0, 0].set title("Distribution of first column")
axes[0, 0].hist(df["col1"])
axes[0, 1].set title("Distribution of second column")
axes[0, 1].hist(df["col2"])
axes[1, 0].set_title("Distribution of third column")
axes[1, 0].hist(df["col3"])
axes[1, 1].set_title("Distribution of fourth column")
axes[1, 1].hist(df["col4"])
```

(array([41., 8., 1., 7., 8., 33., 6., 23., 9., 14.]), array([0.1, 0.34, 0.58, 0.82, 1.06, 1.3, 1.54, 1.78, 2.02, 2.26, 2.5]), <a list of 10 Patch objects>)



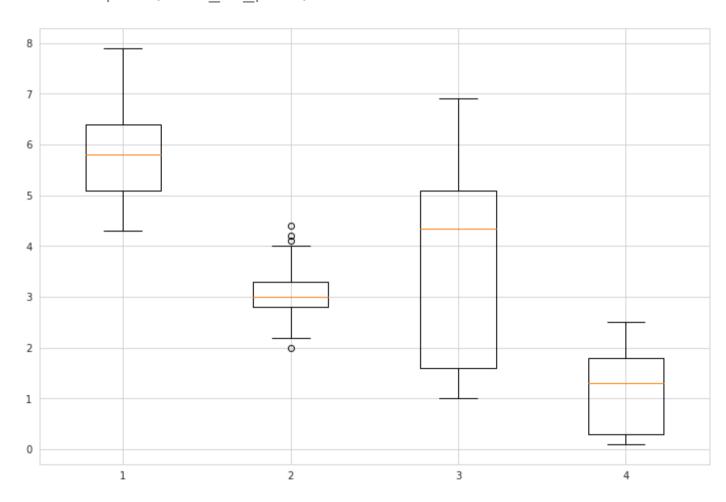


data_to_plot = [df['col1'], df['col2'], df['col3'], df['col4']]
sns.set_style("whitegrid")

fig = plt.figure(1, figsize=(12, 8))

ax = fig.add_subplot(111)

bp = ax.boxplot(data_to_plot)



df.describe()

	col1	col2	col3	col4	2
count	150.000000	150.000000	150.000000	150.000000	
mean	5.843333	3.057333	3.758000	1.199333	
std	0.828066	0.435866	1.765298	0.762238	
min	4.300000	2.000000	1.000000	0.100000	
25%	5.100000	2.800000	1.600000	0.300000	
50%	5.800000	3.000000	4.350000	1.300000	
75%	6.400000	3.300000	5.100000	1.800000	
max	7.900000	4.400000	6.900000	2.500000	

✓ 0s completed at 19:29