# Import the required libraries

import pandas as pd

import numpy as np

import matplotlib.pyplot as plt

import seaborn as sns

%matplotlib inline

df = pd.read\_csv('studentsPerformance.csv')

df

df.head()

df.info()

df.shape

df.columns

df.head()

df.tail()

df.size

df.dtypes

df.head().T

df.tail().T

df.sample(5).T

df.describe

df.isna().sum()

df.dropna()

df.isnull()

df.isnull().sum()

df.dtypes

m\_avg = df['math score'].mean()

df['math score'].fillna(value=m\_avg, inplace=True)

df['math score']

df.columns

# Visualizing the outliers

sns.boxplot(y=df['math score'])

sns.boxplot(y=df['reading score'])

sns.boxplot(y=df['writing score'])