import pandas as pd

df=pd.read\_csv(r"students.csv")

df

df.describe()

df.head()

df.tail()

df.shape

df.count()

df.info()

df.isnull()

df.isnull().sum()

print(True+True)

df.dropna()

df.fillna(0)

df['Year'].fillna('TE')

df['Marks'].fillna(df['Marks'].mean())

df['Age'].fillna(df['Age'].median())

df['Year'].fillna(df['Year'].mode()[0])

df['Year'].value\_counts()

df['Age'].value\_counts()

df.fillna(method='backfill')

df.fillna(method='pad')

import numpy as np

x=np.array([7,8,90,10,5,2])

np.mean(x)

np.median(x)

import matplotlib.pyplot as plt

plt.boxplot(x)

df.plot.box()

df.loc[5,'Marks']

df.plot.hist()

df['Age'].plot.hist()

x=df[['Age','Marks']]

x.describe()

from sklearn.preprocessing import MinMaxScaler

scaler=MinMaxScaler()

x\_scaled=scaler.fit\_transform(x)

pd.DataFrame(x\_scaled).describe()

from sklearn.preprocessing import StandardScaler

scaler=StandardScaler()

x\_scaled=scaler.fit\_transform(x)

pd.DataFrame(x\_scaled).describe()