Question: Analyze a small dataset using Python, documenting the step-by-step process of the data analysis journey.

1. Importing phyton library

```
# importing pandas as library
import pandas as pd
```

2.Uploading dataset

```
# Uploading a dataset
User = pd.read_excel("/content/Week 2 Assessment .xls")
```

3. Displaying the sample of dataset

```
# printing the sample of dataset
print(User)
```

```
                  Name   Scores   Gender   Age    States
    0          Musa Isa        55    Male     18   Bauchi
    1         Jabir Adam       66    Male     20  Katsina
    2    Mustapha Dalha        53    Male     19     Kano
    3        Jamila Umar       45  Female     17   Jigawa
    4         Umar Muhd        42    Male     20    Borno
    5      Mardiyya ya'u       61  Female     18     Yobe
    6    Maryam Ibrahim        37  Female     16    Gombe
    7          Saleh Isa       35    Male     19   Kaduna
    8      Atika Ukasha        70  Female     18   Bauchi
    9        Yusuf Sani        60    Male     20   Taraba
    10    Nura Hammaseyo       50    Male     19  Adamawa
    11       Abacha Musa       39    Male     17    Kwara
    12    Aisha Ibrahim        38  Female     18    Benue
    13   Abdullahi Umar        66    Male     19     Kano
    14  Hafsat Sulaiman        69  Female     18   Bauchi
    15     Isaac Joshua        58    Male     21      Abia
    16       Maryam Isah       45  Female     20   Ebonyi
    17     Miqdad Saleh        70    Male     19    Borno
    18     Habiba Adamu        49  Female     17   Bauchi
    19  Abubakar Dalhat        69    Male     18    Gombe
```

```
# Display the information of the dataset
User.info()
```

```
    <class 'pandas.core.frame.DataFrame'>
    RangeIndex: 20 entries, 0 to 19
    Data columns (total 5 columns):
     #   Column   Non-Null Count  Dtype
    ---  ------   --------------  -----
     0   Name     20 non-null     object
     1   Scores   20 non-null     int64
     2   Gender   20 non-null     object
     3   Age      20 non-null     int64
     4   States   20 non-null     object
    dtypes: int64(2), object(3)
    memory usage: 928.0+ bytes
```

```
# Displaying the description of the dataset
User.describe()
```

	Scores	Age
count	20.000000	20.000000
mean	53.850000	18.550000
std	12.205585	1.276302
min	35.000000	16.000000
25%	44.250000	18.000000
50%	54.000000	18.500000
75%	66.000000	19.250000
max	70.000000	21.000000