

```
import pandas as pd

customers = pd.read_csv("Customers.csv")
products = pd.read_csv("Products.csv")
transactions = pd.read_csv("Transactions.csv")

print(customers.head())
print(products.head())
print(transactions.head())

print(customers.isnull().sum())
print(products.isnull().sum())
print(transactions.isnull().sum())

print(customers.info())
print(products.info())
print(transactions.info())
```

4

902.04

300.68

CustomerID

0

CustomerName

0

Region

0

SignupDate

0

dtype: int64

ProductID

0

ProductName

0

Category

0

Price

0

dtype: int64

TransactionID

0

CustomerID

0

ProductID

0

TransactionDate

0

Quantity

0

TotalValue

0

Price

0

dtype: int64

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 200 entries, 0 to 199

Data columns (total 4 columns):

#

Column

Non-Null Count

Dtype

0

CustomerID

200 non-null

object

1

CustomerName

200 non-null

object

2

Region

200 non-null

object

3

SignupDate

200 non-null

object

dtypes: object(4)

memory usage: 6.4+ KB

None

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 100 entries, 0 to 99

Data columns (total 4 columns):

#

Column

Non-Null Count

Dtype

0

ProductID

100 non-null

object

1

ProductName

100 non-null

object

2

Category

100 non-null

object

3

Price

100 non-null

float64

dtypes: float64(1), object(3)

memory usage: 3.3+ KB

None

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 1000 entries, 0 to 999

Data columns (total 7 columns):

#

Column

Non-Null Count

Dtype

0

TransactionID

1000 non-null

object

1

CustomerID

1000 non-null

object

2

ProductID

1000 non-null

object

3

TransactionDate

1000 non-null

object

4

Quantity

1000 non-null

int64

5

TotalValue

1000 non-null

float64

6

Price

1000 non-null

float64

dtypes: float64(2), int64(1), object(4)

memory usage: 54.8+ KB

None

Total Customers: 200

Total Products: 100

Total Transactions: 1000

Total Revenue Generated: \$689995.56

Region

Asia

152074.97

Europe

166254.63

North America

152313.40

South America

219352.56

Name: TotalValue, dtype: float64

ProductName

ActiveWear Smartwatch

100

SoundWave Headphones

97

HomeSense Desk Lamp

81

ActiveWear Rug

79

SoundWave Cookbook

78

Name: Quantity, dtype: int64

