

```
In [2]: import pandas as pd
import numpy as np
import seaborn as sns

data1 = pd.read_csv(r"C:\Users\Hp\oneminuteman\coursework\Scientific-Computing\kaggle_datasets_assignment\Stude

print(data1.head(3))
#display the first 3 rows

print(data1.info())

#check 4 missing values
print(data1.isnull().sum())
```

	Student_ID	First_Name	Last_Name	Email	Gender	Age	\
0	S1000	Omar	Williams	student0@university.com	Female	22	
1	S1001	Maria	Brown	student1@university.com	Male	18	
2	S1002	Ahmed	Jones	student2@university.com	Male	24	

  

	Department	Attendance (%)	Midterm_Score	Final_Score	...	\
0	Engineering	52.29	55.03	57.82	...	
1	Engineering	97.27	97.23	45.80	...	
2	Business	57.19	67.05	93.68	...	

  

	Projects_Score	Total_Score	Grade	Study_Hours_per_Week	\
0	85.90	56.09	F	6.2	
1	55.65	50.64	A	19.0	
2	73.79	70.30	D	20.7	

  

	Extracurricular_Activities	Internet_Access_at_Home	Parent_Education_Level	\
0	No	Yes	High School	
1	No	Yes	NaN	
2	No	Yes	Master's	

  

	Family_Income_Level	Stress_Level (1-10)	Sleep_Hours_per_Night
0	Medium	5	4.7
1	Medium	4	9.0
2	Low	6	6.2

[3 rows x 23 columns]

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

RangeIndex: 5000 entries, 0 to 4999

Data columns (total 23 columns):

#	Column	Non-Null Count	Dtype
0	Student_ID	5000 non-null	object
1	First_Name	5000 non-null	object
2	Last_Name	5000 non-null	object
3	Email	5000 non-null	object
4	Gender	5000 non-null	object
5	Age	5000 non-null	int64
6	Department	5000 non-null	object
7	Attendance (%)	4484 non-null	float64
8	Midterm_Score	5000 non-null	float64
9	Final_Score	5000 non-null	float64
10	Assignments_Avg	4483 non-null	float64
11	Quizzes_Avg	5000 non-null	float64
12	Participation_Score	5000 non-null	float64
13	Projects_Score	5000 non-null	float64
14	Total_Score	5000 non-null	float64
15	Grade	5000 non-null	object
16	Study_Hours_per_Week	5000 non-null	float64
17	Extracurricular_Activities	5000 non-null	object
18	Internet_Access_at_Home	5000 non-null	object
19	Parent_Education_Level	3206 non-null	object
20	Family_Income_Level	5000 non-null	object
21	Stress_Level (1-10)	5000 non-null	int64
22	Sleep_Hours_per_Night	5000 non-null	float64

dtypes: float64(10), int64(2), object(11)

memory usage: 898.6+ KB

None

Student_ID	0
First_Name	0
Last_Name	0
Email	0
Gender	0
Age	0
Department	0
Attendance (%)	516
Midterm_Score	0
Final_Score	0
Assignments_Avg	517
Quizzes_Avg	0
Participation_Score	0
Projects_Score	0
Total_Score	0
Grade	0
Study_Hours_per_Week	0
Extracurricular_Activities	0
Internet_Access_at_Home	0
Parent_Education_Level	1794
Family_Income_Level	0
Stress_Level (1-10)	0
Sleep_Hours_per_Night	0

dtype: int64