

EDA project - Jupyter Notebook

Out[31]:

Student_ID	Age	Gender	Academic_Level	Country	Avg_Daily_Usage_Hours	Most_Used_Platform	Affects_Academic_Performance	Sleep_Hours_Per_Night	Mental_Health_Score	Relationship_Status	Conflicts_Over_Social_Media	Addicted_Score
0 1	19	Female	Undergraduate	Bangladesh	5.2	Instagram	Yes	6.5	6	In Relationship	3	8
1 2	22	Male	Graduate	India	2.1	Twitter	No	7.5	8	Single	0	3
3 4	18	Male	High School	UK	3.0	YouTube	No	7.0	7	Single	1	4
4 5	21	Male	Graduate	Canada	4.5	Facebook	Yes	6.0	6	In Relationship	2	7
5 6	19	Female	Undergraduate	Australia	7.2	Instagram	Yes	4.5	4	Complicated	5	9

Out[32]:

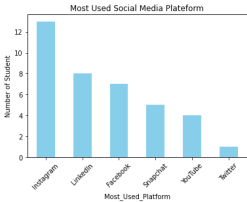
Student_ID	int64
Age	int64
Gender	object
Academic_Level	object
Country	object
Avg_Daily_Usage_Hours	float64
Most_Used_Platform	object
Affects_Academic_Performance	object
Sleep_Hours_Per_Night	float64
Mental_Health_Score	int64
Relationship_Status	object
Conflicts_Over_Social_Media	int64
Addicted_Score	int64
dtype:	object

Out[34]:

Student_ID	Age	Gender	Academic_Level	Country	Avg_Daily_Usage_Hours	Most_Used_Platform	Affects_Academic_Performance	Sleep_Hours_Per_Night	Mental_Health_Score	Relationship_Status	Conflicts_Over_Social_Media	Addicted_Score
0 1	19	Female	Undergraduate	Bangladesh	5.2	Instagram	1	6.5	6	In Relationship	3	8
1 2	22	Male	Graduate	India	2.1	Twitter	0	7.5	8	Single	0	3
3 4	18	Male	High School	UK	3.0	YouTube	0	7.0	7	Single	1	4
4 5	21	Male	Graduate	Canada	4.5	Facebook	1	6.0	6	In Relationship	2	7
5 6	19	Female	Undergraduate	Australia	7.2	Instagram	1	4.5	4	Complicated	5	9
6 7	23	Male	Graduate	Germany	1.5	LinkedIn	0	8.0	9	Single	0	2
7 8	20	Female	Undergraduate	Brazil	5.8	Snapchat	1	6.0	6	In Relationship	2	8
9 10	21	Female	Graduate	South Korea	3.3	Instagram	0	7.0	7	In Relationship	1	4
10 11	19	Male	Undergraduate	France	4.8	Snapchat	1	6.2	5	Complicated	3	7
12 13	22	Male	Graduate	Italy	2.8	LinkedIn	0	7.2	8	Single	1	4
13 14	18	Female	High School	Mexico	6.5	Instagram	1	5.5	5	Single	4	9
14 15	21	Male	Undergraduate	Russia	3.7	YouTube	0	6.8	7	In Relationship	2	5
16 17	24	Male	Graduate	Sweden	2.0	LinkedIn	0	7.8	8	Single	0	3
17 18	19	Female	High School	Norway	5.0	Instagram	1	5.7	5	In Relationship	3	8
18 19	21	Male	Undergraduate	Denmark	3.5	Facebook	0	6.7	7	Single	1	5
19 20	20	Female	Undergraduate	Netherlands	4.7	Snapchat	1	5.9	6	Complicated	3	7
21 22	23	Female	Graduate	Switzerland	2.5	LinkedIn	0	7.3	8	In Relationship	1	4
22 23	19	Male	Undergraduate	Austria	4.9	Instagram	1	5.8	6	Complicated	3	7
24 25	22	Male	Graduate	Greece	3.2	Facebook	0	6.9	7	In Relationship	2	5
25 26	19	Female	High School	Ireland	6.1	Instagram	1	5.2	5	Complicated	4	9
26 27	21	Male	Undergraduate	New Zealand	3.8	YouTube	0	6.6	7	Single	1	5
28 29	24	Male	Graduate	Malaysia	2.2	LinkedIn	0	7.4	8	Single	0	3
29 30	19	Female	High School	Thailand	5.9	Instagram	1	5.3	5	Complicated	4	8
30 31	21	Male	Undergraduate	Vietnam	3.6	Facebook	0	6.7	7	Single	1	5
31 32	20	Female	Undergraduate	Philippines	4.8	Snapchat	1	5.7	6	In Relationship	3	7
33 34	23	Female	Graduate	Taiwan	2.6	LinkedIn	0	7.2	8	Single	1	4
34 35	19	Male	Undergraduate	Hong Kong	4.7	Instagram	1	5.8	6	In Relationship	3	7
36 37	22	Male	Graduate	Israel	3.1	Facebook	0	6.8	7	Single	1	5
37 38	19	Female	High School	UAE	6.2	Instagram	1	5.1	5	In Relationship	4	9
38 39	21	Male	Undergraduate	Egypt	3.9	YouTube	0	6.5	7	Complicated	2	6
40 41	24	Male	Graduate	South Africa	2.3	LinkedIn	0	7.3	8	In Relationship	1	4
41 42	19	Female	High School	Nigeria	5.8	Instagram	1	5.4	5	Complicated	4	8
42 43	21	Male	Undergraduate	Kenya	3.7	Facebook	0	6.6	7	Single	2	5
43 44	20	Female	Undergraduate	Ghana	4.6	Snapchat	1	5.7	6	In Relationship	3	7
45 46	23	Female	Graduate	Chile	2.7	LinkedIn	0	7.1	8	Complicated	1	4
46 47	19	Male	Undergraduate	Colombia	4.8	Instagram	1	5.9	6	In Relationship	3	7
48 49	22	Male	Graduate	Venezuela	3.3	Facebook	0	6.7	7	In Relationship	2	5
49 50	19	Female	High School	Ecuador	6.3	Instagram	1	5.2	5	Complicated	4	9

Out[35]:

	Student_ID	Age	Avg_Daily_Usage_Hours	Affects_Academic_Performance	Sleep_Hours_Per_Night	Mental_Health_Score	Conflicts_Over_Social_Media	Addicted_Score
count	38.000000	38.000000	38.000000	38.000000	38.000000	38.000000	38.000000	38.000000
mean	25.263158	20.684211	4.121053	0.473684	6.381579	6.526316	2.131579	5.947368
std	14.766075	1.756921	1.458648	0.506009	0.838549	1.202179	1.359075	2.026145
min	1.000000	18.000000	1.500000	0.000000	4.500000	4.000000	0.000000	2.000000
25%	13.250000	19.000000	3.025000	0.000000	5.725000	6.000000	1.000000	4.000000
50%	25.500000	21.000000	3.850000	0.000000	6.550000	7.000000	2.000000	5.500000
75%	37.750000	22.000000	4.975000	1.000000	7.000000	7.000000	3.000000	7.750000
max	50.000000	24.000000	7.200000	1.000000	8.000000	9.000000	5.000000	9.000000



Out[37]:

Gender	5.011765
Female	3.400000
Male	1.600000
Name:	Avg_Daily_Usage_Hours, dtype: float64

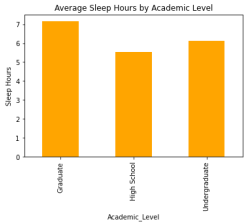
Out[38]:

Most_Used_Platform	13
Instagram	13
LinkedIn	8
Facebook	7
Snapchat	5
YouTube	4
Twitter	1
Name:	count, dtype: int64

Out[39]:

Student_ID	Age	Gender	Academic_Level	Country	Avg_Daily_Usage_Hours	Most_Used_Platform	Affects_Academic_Performance	Sleep_Hours_Per_Night	Mental_Health_Score	Relationship_Status	Conflicts_Over_Social_Media	Addicted_Score
0 1	19	Female	Undergraduate	Bangladesh	5.2	Instagram	1	6.5	6	In Relationship	3	8
1 2	22	Male	Graduate	India	2.1	Twitter	0	7.5	8	Single	0	3
3 4	18	Male	High School	UK	3.0	YouTube	0	7.0	7	Single	1	4
4 5	21	Male	Graduate	Canada	4.5	Facebook	1	6.0	6	In Relationship	2	7
5 6	19	Female	Undergraduate	Australia	7.2	Instagram	1	4.5	4	Complicated	5	9
6 7	23	Male	Graduate	Germany	1.5	LinkedIn	0	8.0	9	Single	0	2
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14 15	21	Male	Undergraduate	Russia	3.7	YouTube	0	6.8	7	In Relationship	2	5
16 17	24	Male	Graduate	Sweden	2.0	LinkedIn	0	7.8	8	Single	0	3
17 18	19	Female	High School	Norway	5.0	Instagram	1	5.7	5	In Relationship	3	8
18 19	21	Male	Undergraduate	Denmark	3.5	Facebook	0	6.7	7	Single	1	5
19 20	20	Female	Undergraduate	Netherlands	4.7	Snapchat	1	5.9	6	Complicated	3	7
21 22	23	Female	Graduate	Switzerland	2.5	LinkedIn	0	7.3	8	In Relationship	1	4
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2930	19	Female	High School	Thailand	5.9	Instagram	1	5.3	5	Complicated	4	8
3031	21	Male	Undergraduate	Vietnam	3.6	Facebook	0	6.7	7	Single	1	5
3132	20	Female	Undergraduate	Philippines	4.8	Snapchat	1	5.7	6	In Relationship	3	7
3334	23	Female	Graduate	Taiwan	2.6	LinkedIn	0	7.2	8	Single	1	4
3435	19	Male	Undergraduate	Hong Kong	4.7	Instagram	1	5.8	6	In Relationship	3	7
3637	22	Male	Graduate	Israel	3.1	Facebook	0	6.8	7	Single	1	5
3738	19	Female	High School	UAE	6.2	Instagram	1	5.1	5	In Relationship	4	9
3839	21	Male	Undergraduate	Egypt	3.9	YouTube	0	6.5	7	Complicated	2	6
4041	24	Male	Graduate	South Africa	2.3	LinkedIn	0	7.3	8	In Relationship	1	4
4142	19	Female	High School	Nigeria	5.8	Instagram	1	5.4	5	Complicated	4	8
4243	21	Male	Undergraduate	Kenya	3.7	Facebook	0	6.6	7	Single	2	5
4344	20	Female	Undergraduate	Ghana	4.6	Snapchat	1	5.7	6	In Relationship	3	7
4546	23	Female	Graduate	Chile	2.7	LinkedIn	0	7.1	8	Complicated	1	4
4647	19	Male	Undergraduate	Colombia	4.8	Instagram	1	5.9	6	In Relationship	3	7
4849	22	Male	Graduate	Venezuela	3.3	Facebook	0	6.7	7	In Relationship	2	5
4950	19	Female	High School	Ecuador	6.3	Instagram	1	5.2	5	Complicated	4	9



Out[41]:

```
Most_Used_Platform
LinkedIn      8.125000
Twitter       8.000000
YouTube       7.000000
Facebook      6.857143
Snapchat      5.800000
Instagram     5.384615
Name: Most_Used_Platform, dtype: float64
```

Out[42]:

```
Relationship_Status
Complicated      3.300000
In Relationship   2.333333
Single            1.000000
Name: Relationship_Status, dtype: float64
```

Out[43]:

```
Gender
Female    7.176471
Male      4.952381
Name: Gender, dtype: float64
```

Out[51]:

<function matplotlib.pyplot.show(close=None, block=None)>

