ONLINE EDUCATION

BACKGROUND

Due to pandemic, many school and office are closed, they communicate via online

we want to analyze how adaptable student who school via online

Data source

source data :

https://www.kaggle.com/datasets/mdmahmudulhasansuzan/students-adaptability-level-in-online-education

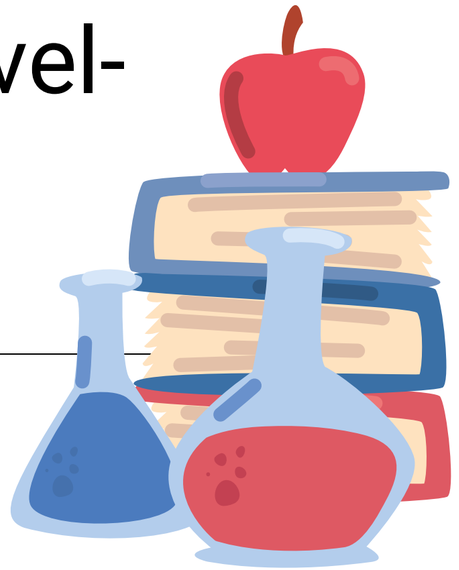


TABLE ONLINE EDCATION

```
[ ] student=pd.read_csv('students_adaptability_level_online_education.csv')
    student.head()
```

	Gender	Age	Education Level	Institution Type	IT Student	Location	Load-shedding	Financial Condition	Internet Type	Network Type	Class Duration	Self Lms	Device	Adaptivity Level
0	Boy	21-25	University	Non Government	No	Yes	Low	Mid	Wifi	4G	3-6	No	Tab	Moderate
1	Girl	21-25	University	Non Government	No	Yes	High	Mid	Mobile Data	4G	1-3	Yes	Mobile	Moderate
2	Girl	16-20	College	Government	No	Yes	Low	Mid	Wifi	4G	1-3	No	Mobile	Moderate
3	Girl	11-15	School	Non Government	No	Yes	Low	Mid	Mobile Data	4G	1-3	No	Mobile	Moderate
4	Girl	16-20	School	Non Government	No	Yes	Low	Poor	Mobile Data	3G	0	No	Mobile	Low

This table show many student present online education during pandemic

CONTENT THE TABLE

```
[ ]  student.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 1205 entries, 0 to 1204
Data columns (total 14 columns):
 #   Column               Non-Null Count  Dtype 
---  ------               --------------  ----- 
 0   Gender               1205 non-null   object
 1   Age                  1205 non-null   object
 2   Education Level      1205 non-null   object
 3   Institution Type     1205 non-null   object
 4   IT Student           1205 non-null   object
 5   Location             1205 non-null   object
 6   Load-shedding        1205 non-null   object
 7   Financial Condition  1205 non-null   object
 8   Internet Type        1205 non-null   object
 9   Network Type         1205 non-null   object
 10  Class Duration       1205 non-null   object
 11  Self Lms             1205 non-null   object
 12  Device               1205 non-null   object
 13  Adaptivity Level     1205 non-null   object
dtypes: object(14)
memory usage: 131.9+ KB
```

This table contain 13 column and 1205 rows

ADAPTABILITY

Add a little bit of body text

```
[ ]  student.groupby(['Education Level','Adaptivity Level'])['Age'].count().unstack()
```

Education Level	High	Low	Moderate
College	3	120	96
School	47	182	301
University	50	178	228

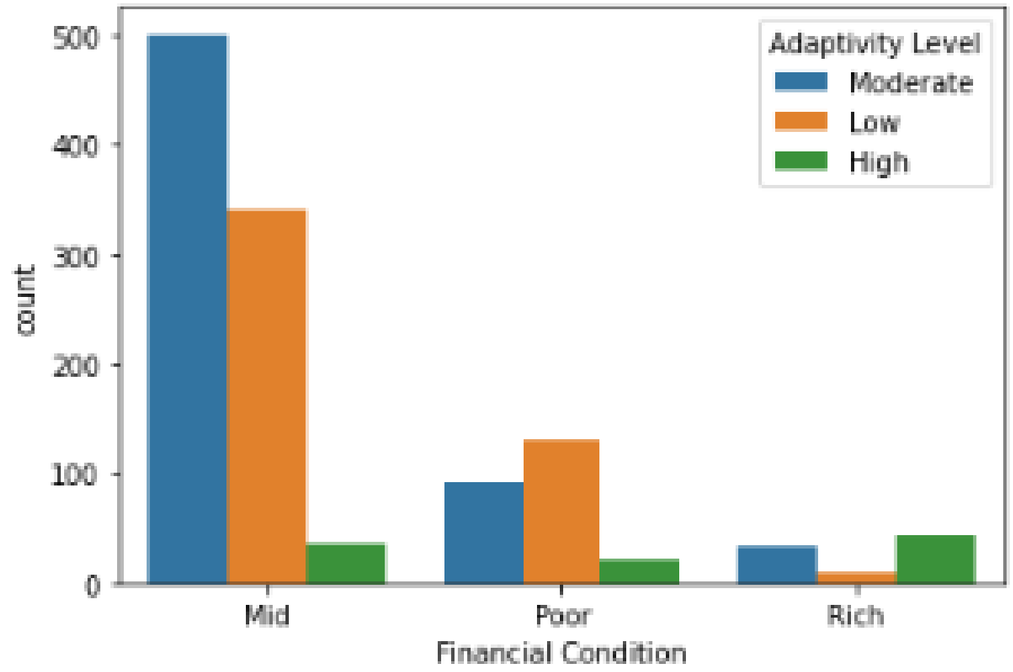
most people of school student and university student moderate adaptab'ility

most of student have mid financial condition

```
[ ]  Salestype_count=df.groupby(['SaleType'],as_index=False).size()
     Salestype_count
```

```
sns.countplot(data=student,
              x='Financial Condition',
              hue='Adaptivity Level')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f248d802f50>
```

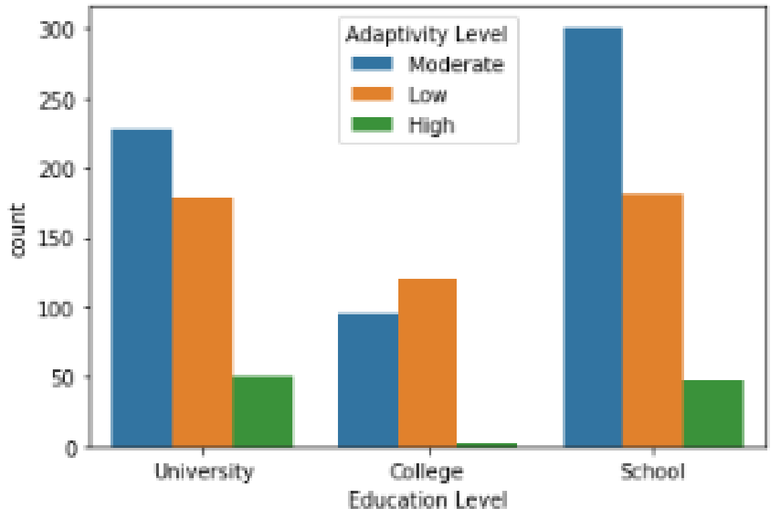


Most of school student has moderate finacial condition

[ ] From Adaptptivity level, people with condition moderate have highest adaptivity level online class.

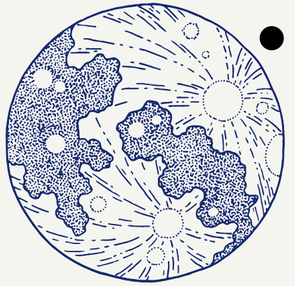
```
sns.countplot(data=student,
              x='Education Level',
              hue='Adaptivity Level')
```

```
<matplotlib.axes._subplots.AxesSubplot at 0x7f248d788190>
```



most of level scholol with moderate financial condition ghave highest adaptivity with online

Conclusion



- Most of school student has moderate finacial condition

- From data most lowest adaptability is high financial condition

LOOK AT THESE ILLUSTRATIONS

SOCIAL SCIENCE CLASS / LAMFORD SCHOOL