



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>

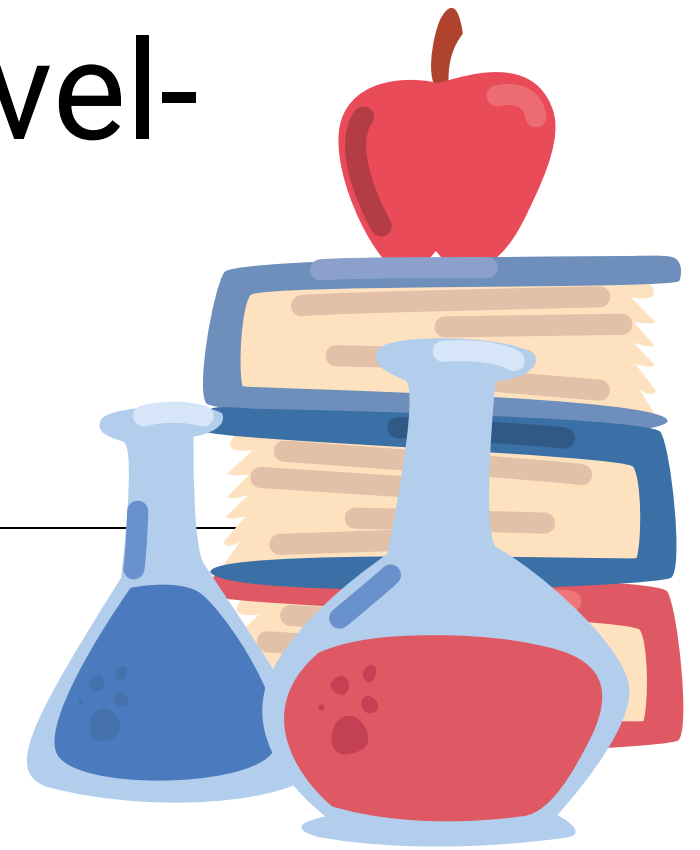
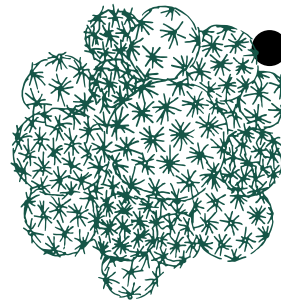
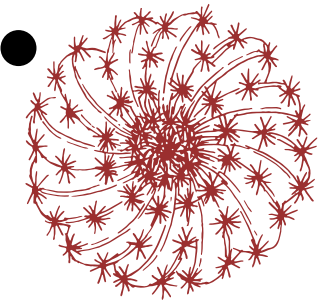


TABLE ONLINE EDUCATION

```
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()
```

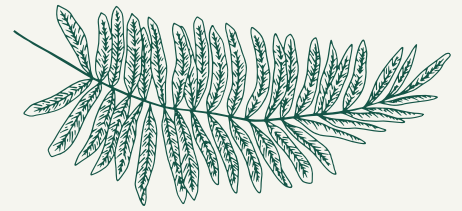
Adaptivity Level High Low Moderate

Education Level

College	3	120	96
School	47	182	301
University	50	178	228

most people of school student and university student moderate adaptability

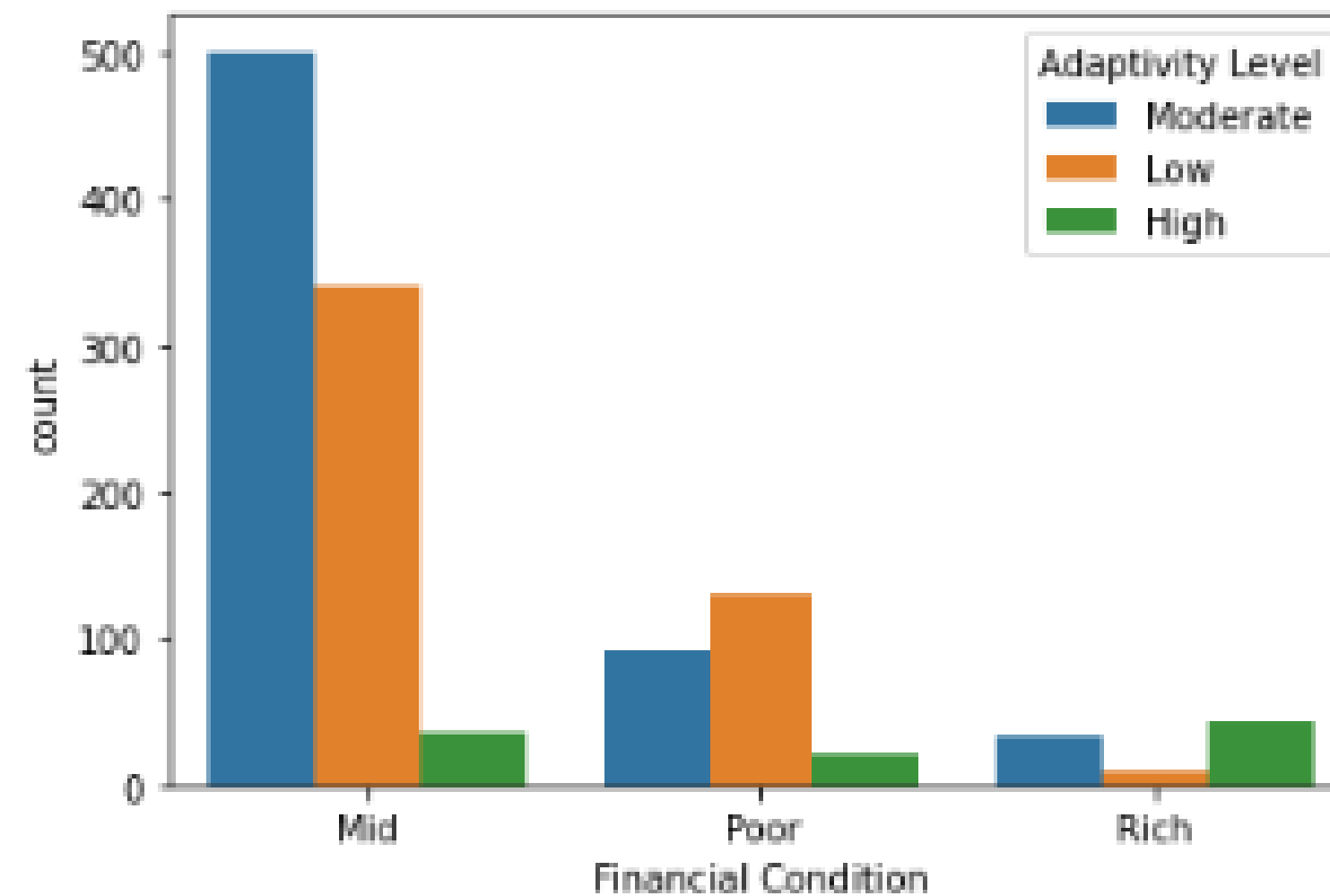
most of student have mid financial condition

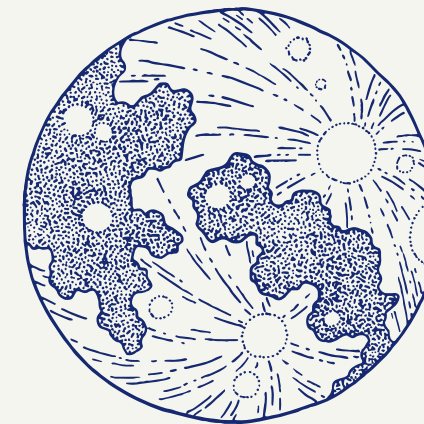


```
[ ] Salestype_count=df.groupby(['SaleType'],as_index=False).size()  
Salestype_count
```

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

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



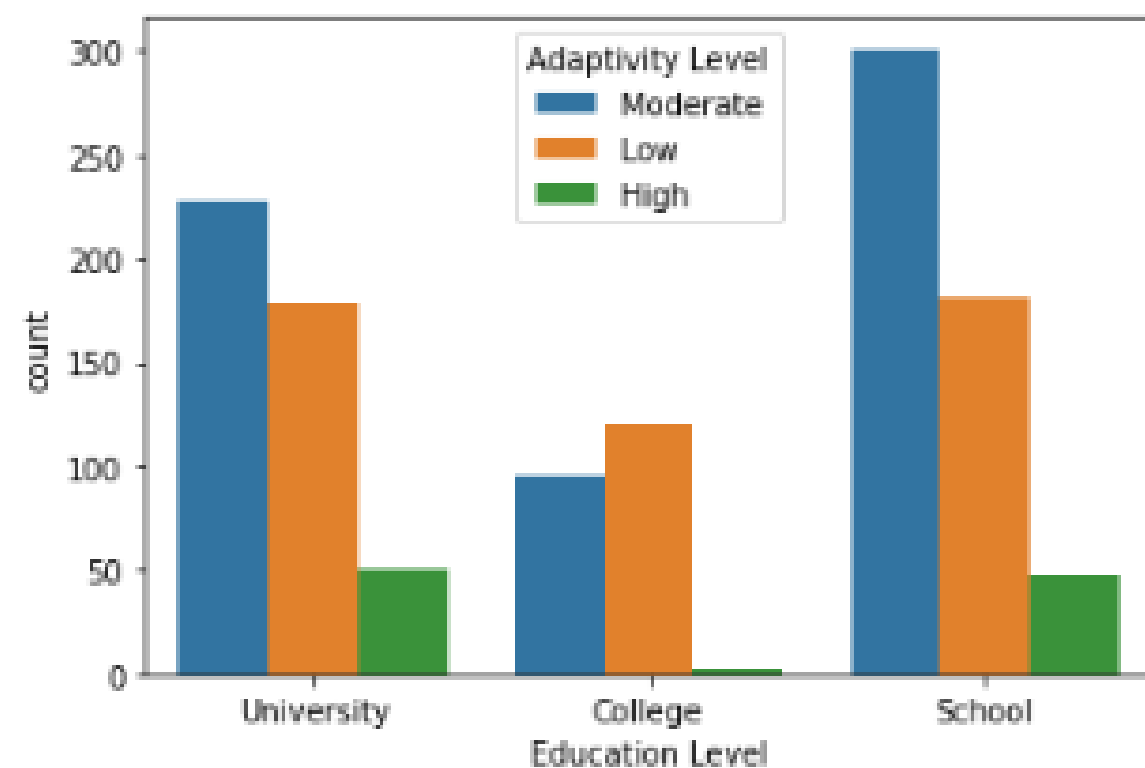


Most of school student has moderate financial condition

```
[ ] 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 financial condition
- From data most lowest adaptability is high financial condition

