ONLINE EDUCATION SYSTEM REVIEW PROJECT

BY
ABIRA MUKHERJEE
ASSISTANT PROFESSOR
SVKM'S NMIMS MPSTME MUMBAI

Performance online vs Economic status & Location

- This table shows the performance online, of students from different demography as well as economic status. There is not much significant difference between the average performance.
- Only one value, that is rich rural shows the highest performance value of 9.

Economic status, Home Location and Performance in online

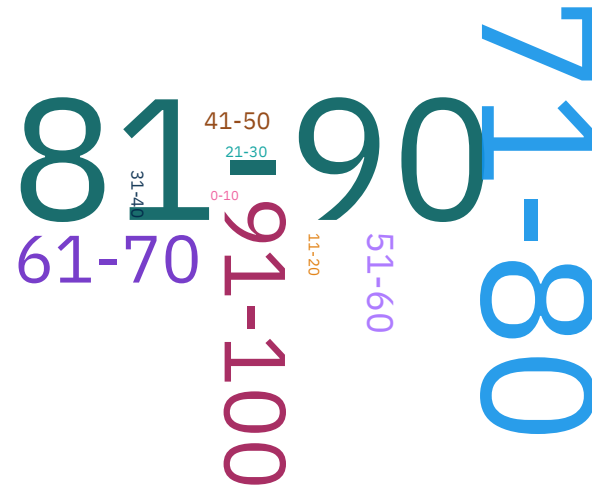| Economic status	Home Location	Performance in online
Middle Class	Rural	6.72
	Urban	6.68
Summary		6.69
Poor	Rural	6.49
	Urban	6.07
Summary		6.37
Rich	Rural	9
	Urban	7.11
Summary		7.3
Summary		6.7

Marks scored in traditional classroom

- The graph shows that 33.2% students scored an average marks between 81-90 in traditional classrooms before the pandemic.

Average marks scored before pandemic in traditional classroom colored by Average marks scored before pandemic in traditional classroom sized by Average marks scored before pandemic in traditional classroom

Average marks sc...
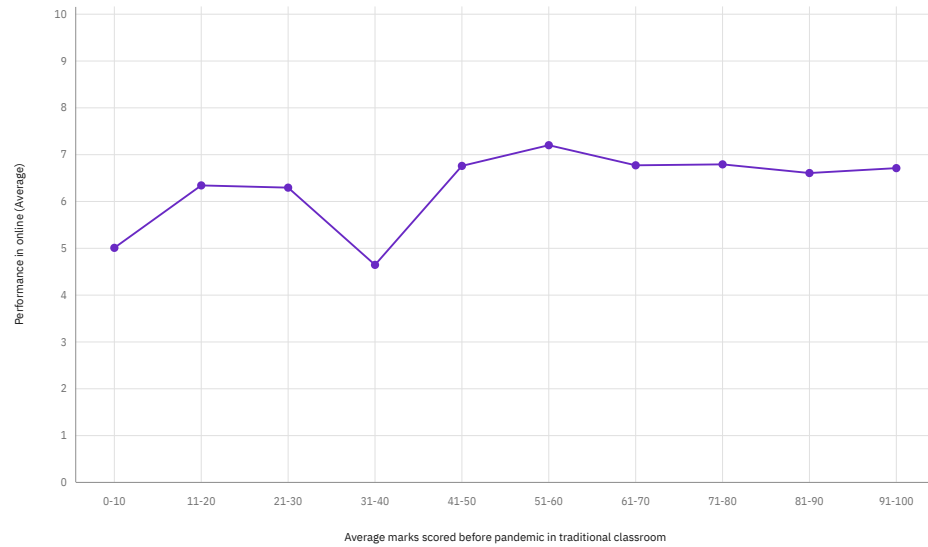
1   343

Average marks scored before pandemic in traditional classroom
● 0-10 ● 11-20 ● 21-30 ● 31-40 ● 41-50 ● 51-60 ● 61-70 ● 71-80 ● 81-90 ● 91-100

81-90

41-50
21-30
0-10
31-40
61-70
91-100
11-20
51-60
71-80

Performance in Online vs. performance in traditional classroom

- The line graph shows that those students who scored in the range of 31-40, have performed also the lowest in online classes.
- Those students, who were in arrange of 51-60 actually performed well as the avg performance online shows highest 7.19.
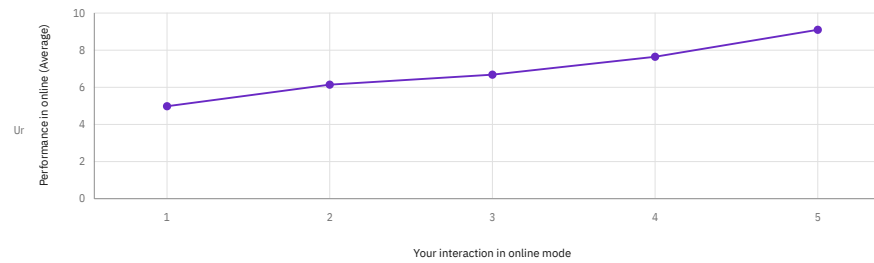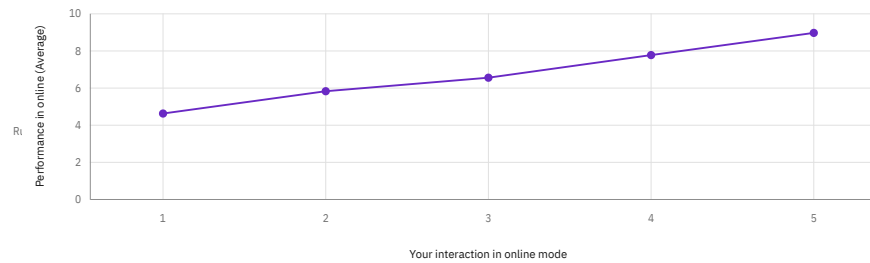
Performance in online by Average marks scored before pandemic in traditional classroom

Average marks scored before pandemic in traditional classroom

Does interaction online improve performance level?

- The data shows that the average performance in online for students, both from rural and Urban, has improved with the interaction or interactive online sessions.
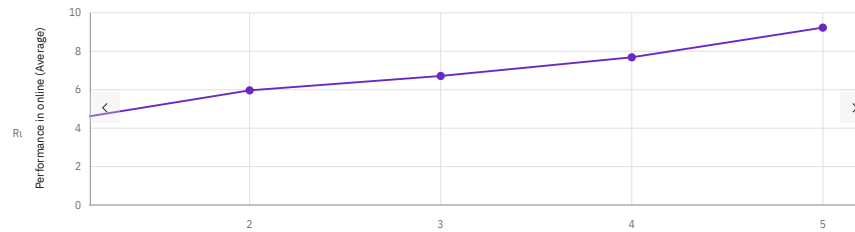
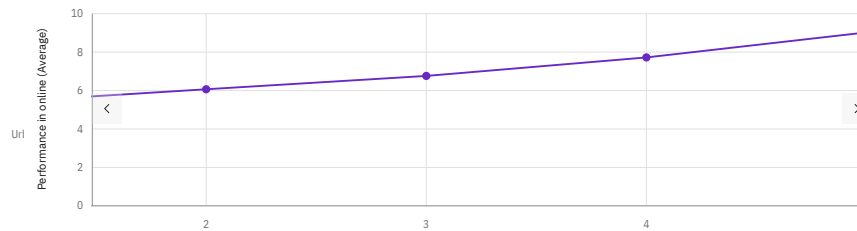Performance in online by Your interaction in online mode

Is faculty interaction good for online education?

- The graph shows that the performance of students in online mode increases with an increase in faculty interaction, whether they belong to rural or urban locations.

Performance in online by Clearing doubts with faculties in online mode

Rural chart — Y-axis: Performance in online (Average); X-axis: Clearing doubts with faculties in online mode

Urban chart — Y-axis: Performance in online (Average); X-axis: Clearing doubts with faculties in online mode
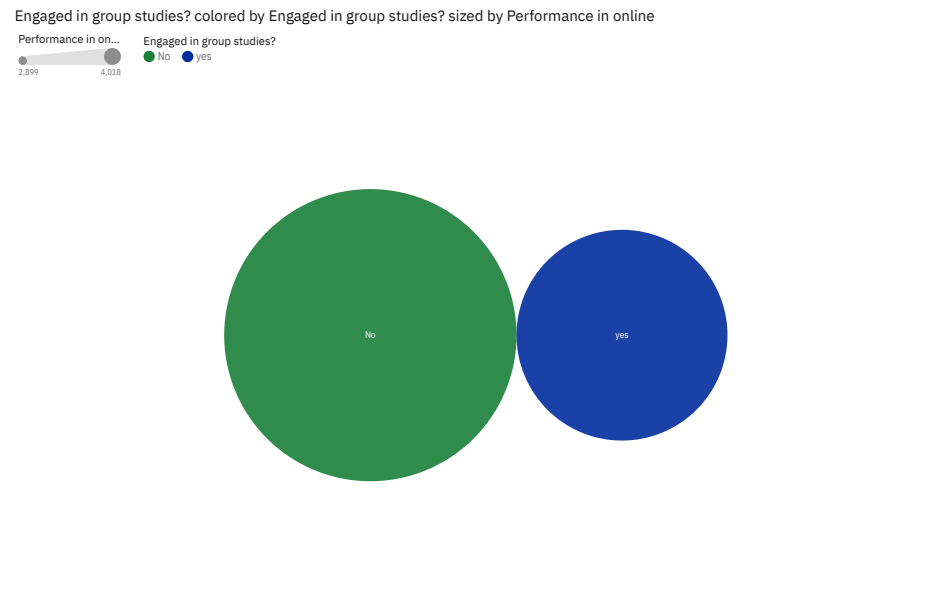
Performance in online by level of education

- The bar graph shows that the average performance online of postgraduate students is the highest and the students at the school level performed the least.
- Moreover students at the undergraduate level, despite having higher subjects performed well online.

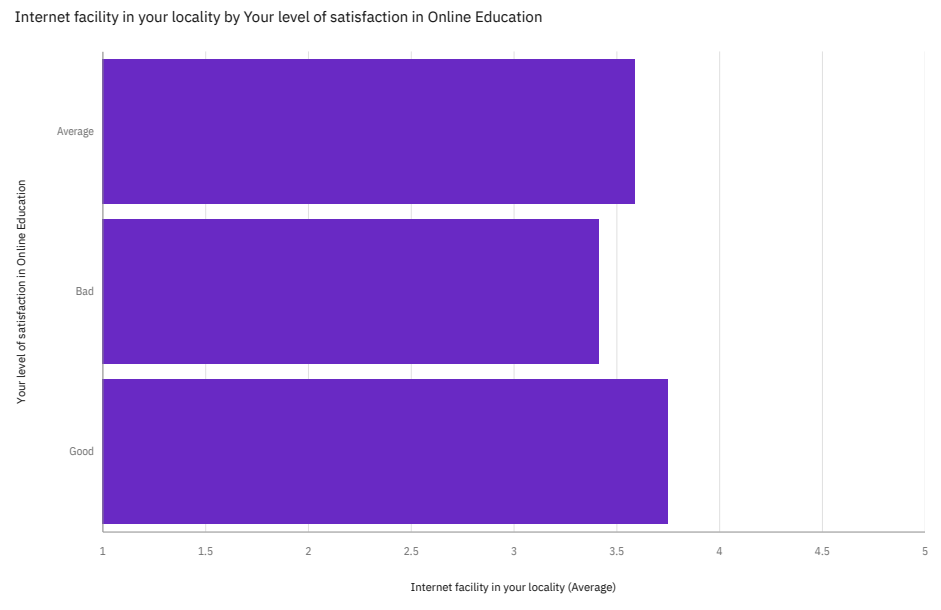Performance in online by Level of Education

Performance in online by group studies

- From this chart it can be inferred that those who are NOT involved in group studies perform well online .

Engaged in group studies? colored by Engaged in group studies? sized by Performance in online

Performance in on...

2,899   4,018

Engaged in group studies?
● No   ● yes

No

yes

Does Internet facility impact the level of satisfaction in online education??

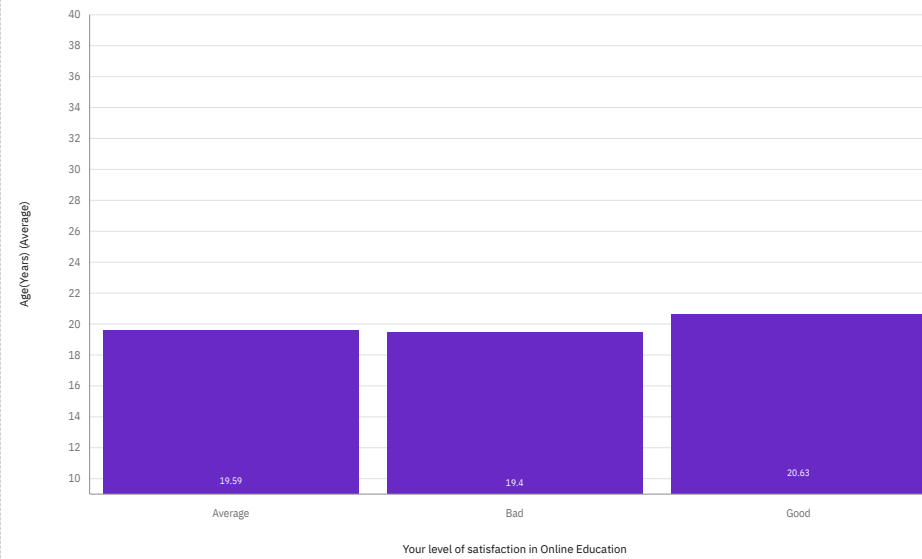- From the bar chart it is clear that the level of satisfaction in online education is low when the internet facility is at its lowest.

Internet facility in your locality by Your level of satisfaction in Online Education

Internet facility in your locality (Average)

Level of satisfaction by Age(years)

- The column chart demonstrates the satisfaction level in the online education system by students of different ages.

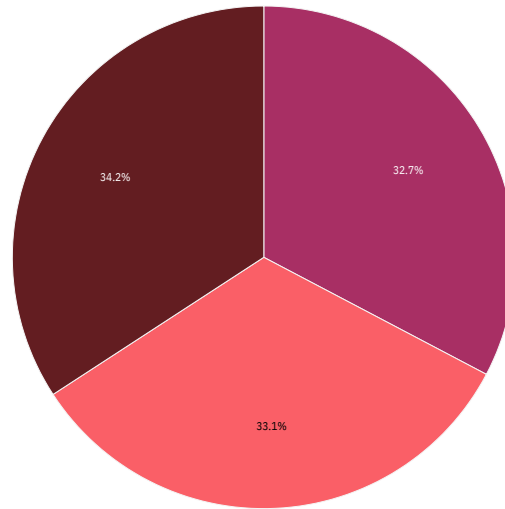Age(Years) by Your level of satisfaction in Online Education

Which device is most used to spend time online?

- This pie chart indicates the behavior pattern based on the device used for an online class.
- While Laptop users (for online classes) usually spend 2.6 hours on average on social media; Mobile users spend 2.72 hours and Desktop users spend 2.63 hours.

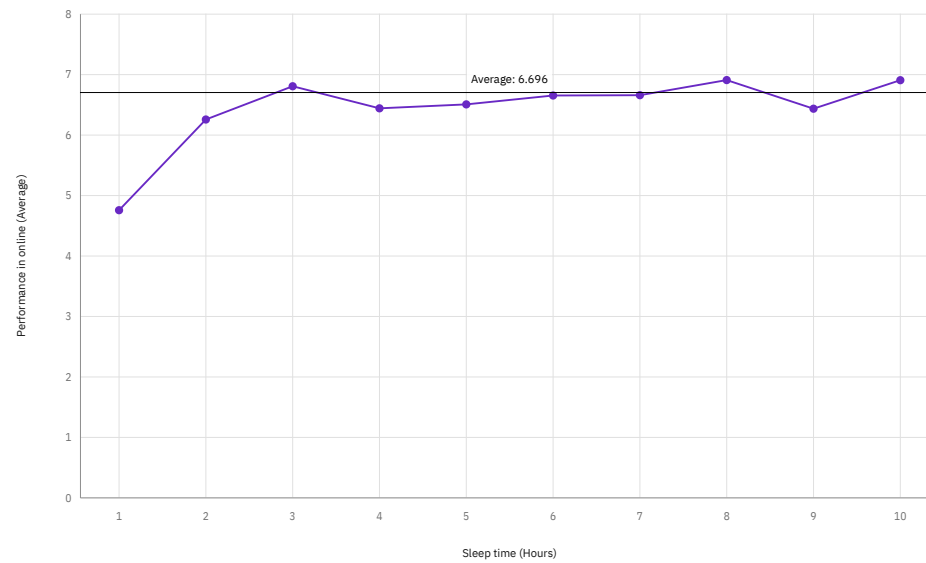Time spent on social media (Hours) by Device type for online classes

Device type for online classes
● Laptop ● Desktop ● Mobile

Does sleep time affect performance in online education ??

- Mild variation in sleep time does not affect performance.
- However, sleep time below 3 hours affects performance negatively.

Performance in online by Sleep time (Hours)

Average: 6.696

Performance in online (Average)

Sleep time (Hours)

Performance online vs study rooms

- These charts show that those who have separate rooms for studies, and are monitored by elders perform have performed well in online.

Performance in online by Have separate room for studying?

Have separate room for studying?
- No - Yes

6.75   6.19

6.87   6.85