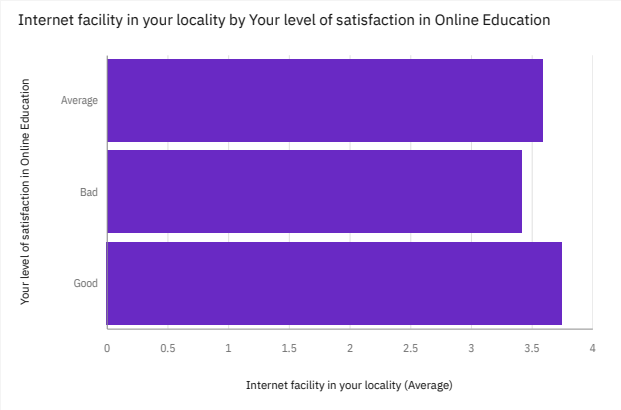


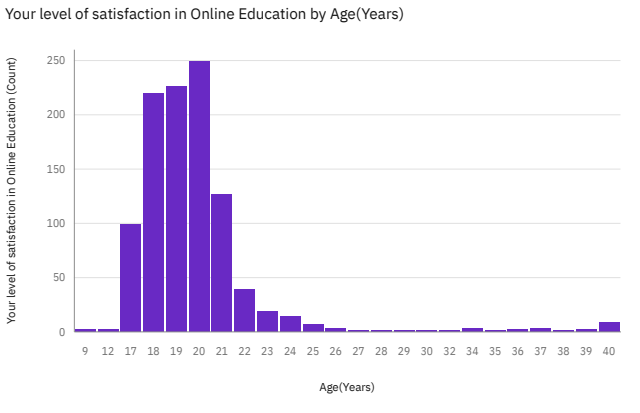


Availability of Internet facility vs Satisfaction with online education

- Satisfaction level is high where internet facility in the locality is good.
- Average of internet facility is adequate.

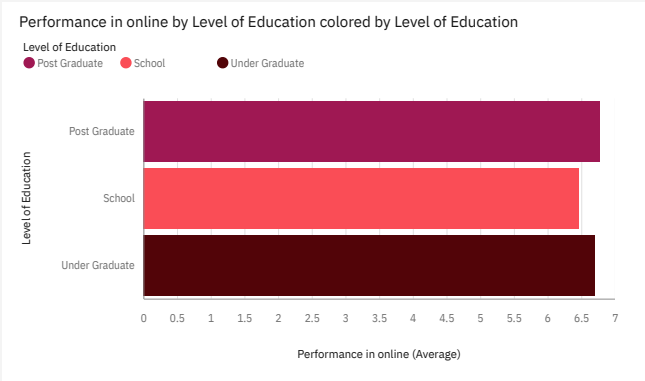


- Level of satisfaction with online education is higher in the age group 17 to 21.



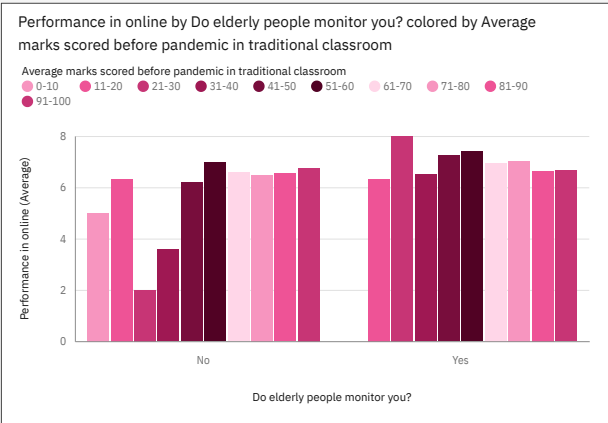
Performance in online by Level of Education

- Students of post graduation performed well (Average performance 6.78) in online studies whereas performance of students at school level (Average performance 6.46) was low.



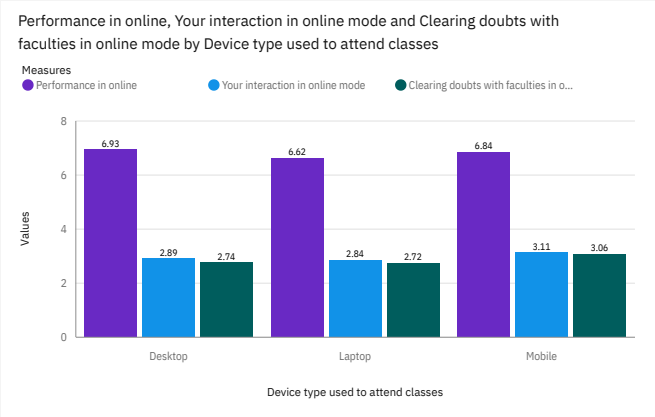
Performance in online by Do elderly people monitor you? colored by Average marks scored before pandemic in traditional classroom

- Performance in online is unusually low when the combinations of Do elderly people monitor you? and Average marks scored before pandemic in traditional classroom are No and 31-40 and No and 21-30.



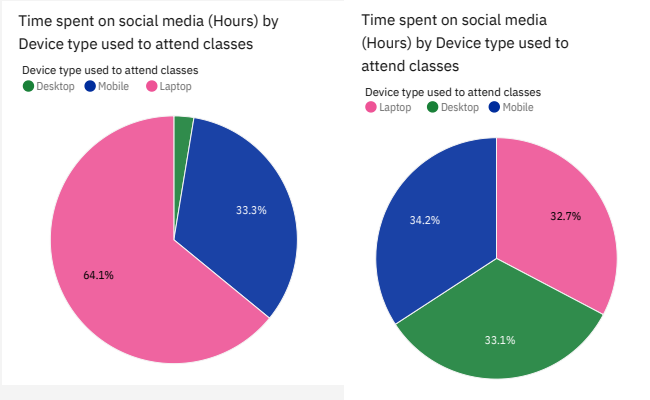
Effect of type of devices used for being online

- There is almost negligible deviation in performance, interaction and clearing doubts in online mode when students used different type of devices (Laptop, Desktop and mobile) to be online.



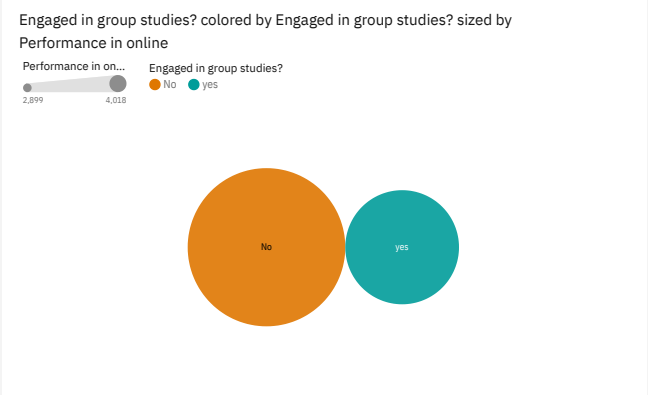
Time spent on social media (Hours) by Device type used to attend classes

- On average level time spent on social media by students is highest (2.72) when they use mobile to attend online classes.
- The average time spent on social media with Desktop and laptop is almost same (2.6).
- Sum of hours spent on social media is highest with Laptop and lowest with desktop.



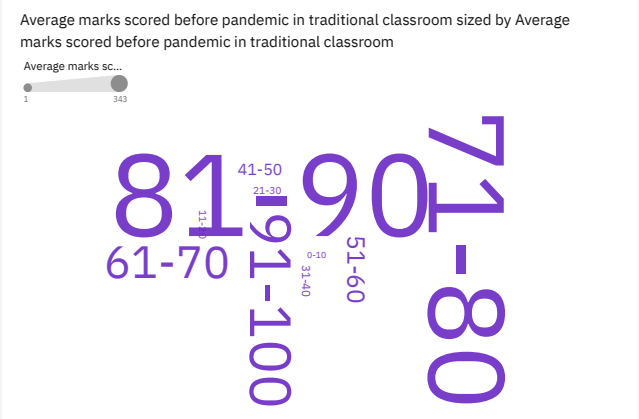
Effect of group studies on performance in online classes

- Students who are not engaged in group studies perform well in online classes.
- Online classes demotivate group culture.



Analysis of Average marks scored before pandemic in traditional classroom

- 81-90 (33.2 %) and 71-80 (30.3 %) are the most frequently occurring categories of Average marks scored before pandemic in traditional classroom with a combined count of 656 items with Average marks scored before pandemic in traditional classroom values (63.5 % of the total).



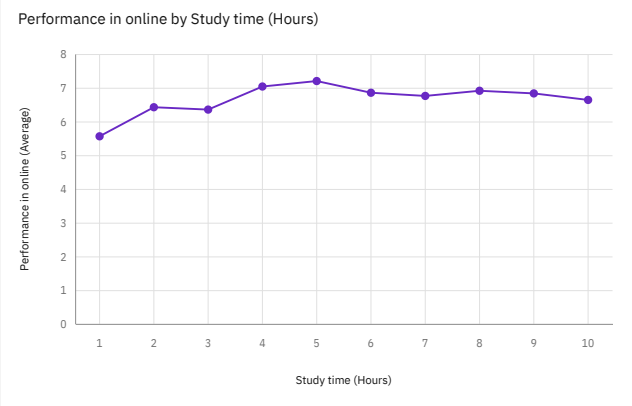
Economic status, Home Location and Performance in online

- Home locations do not have much effect on performance in online.
- The average performance in online mode of economic classes : Middle Class is 6.7, Poor Class is 6.4 and Rich Class 7.3.
- There is no significant difference in average performance in online of Rural area and Urban area of Middle and Poor classes, but in Rich class there is a difference of 2 approximately.

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

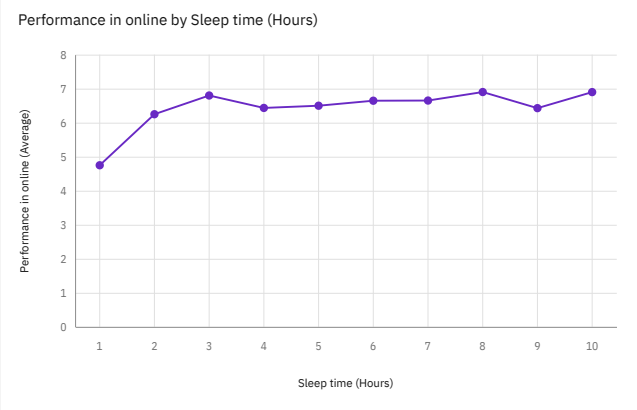
Performance in online by Study time (Hours)

- Performance in online is most unusual when Study time (Hours) is 1 and 5.
- 4 is the most frequently occurring category of Study time (Hours) with a count of 213 items with Performance in online values (20.6 % of the total).



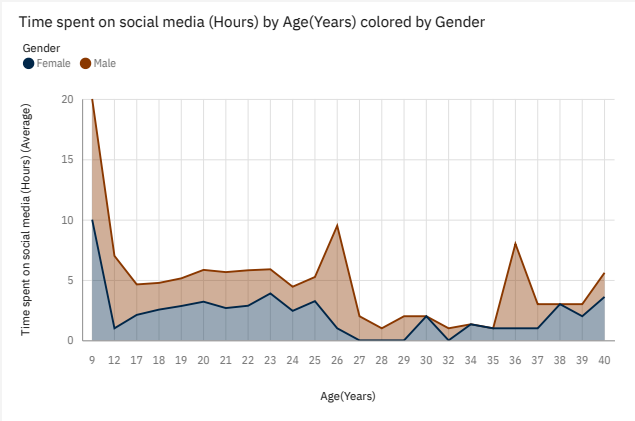
Performance in online by Sleep time (Hours)

- The pattern suggests that 8 to 10 hour sleep is good for better perform.
Performance of students with 9 hour sleep is unusual based on suffix and prefix value.
- Case of 3 hour sleep need more investigation.



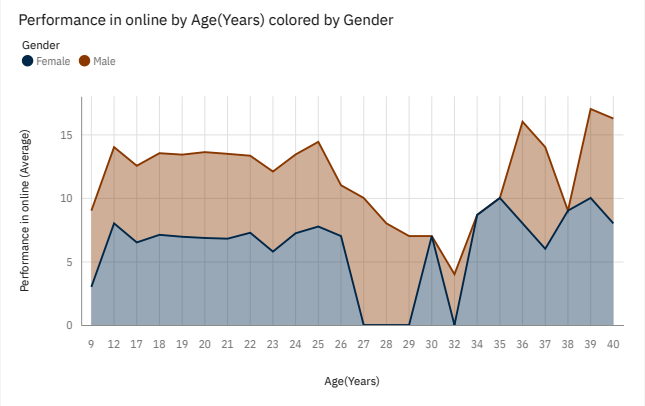
Time spent on social media (Hours) by Age(Years)

- Time spent on social media (Hours) is unusually high when Age(Years) is 9 and 26
- Female usually spent less time on social media than male irrespective of age.



Performance in online by Age(Years) colored by Gender

- 20 (24.1 %), 19 (21.9 %), and 18 (21.3 %) are the most frequently occurring categories of Age(Years) with a combined count of 695 items with Performance in online values (67.3 % of the total).



Erroneous data detection

- Total Time is representing a sum of time spent on study, sleep and social media.
- Data showing total time greater than 22 is erroneous.

