

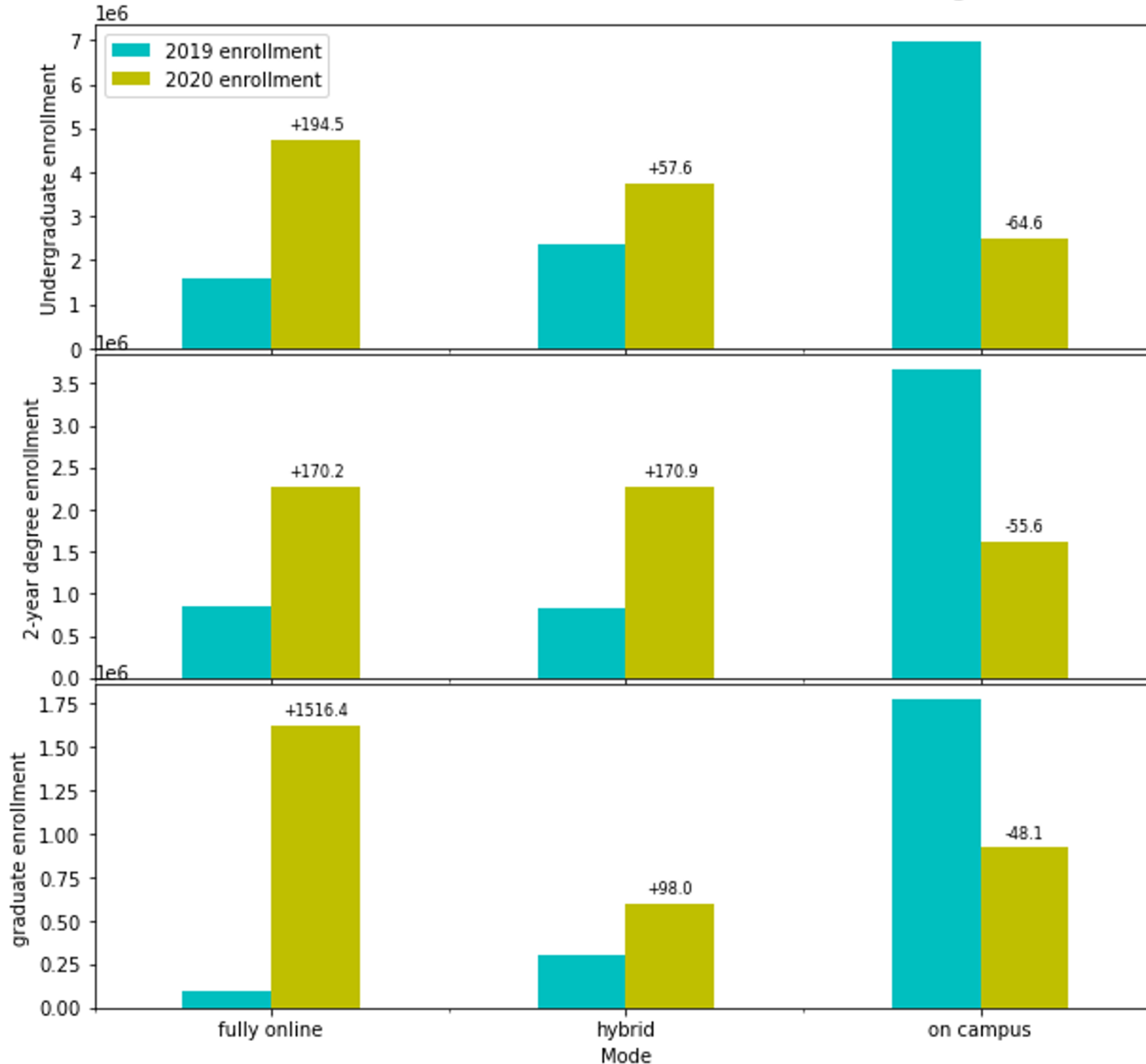


Recovering from Pandemic: An Opportunity to Redefine Education

Hybrid teaching combines the best of both worlds

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Enrollment transition to different modalities in all sectors of higher education



Modes of Education changed

- Every mode of education was impacted
- As schools went hybrid and online, most lives were disrupted
- The percentage change in modes of education is shown here

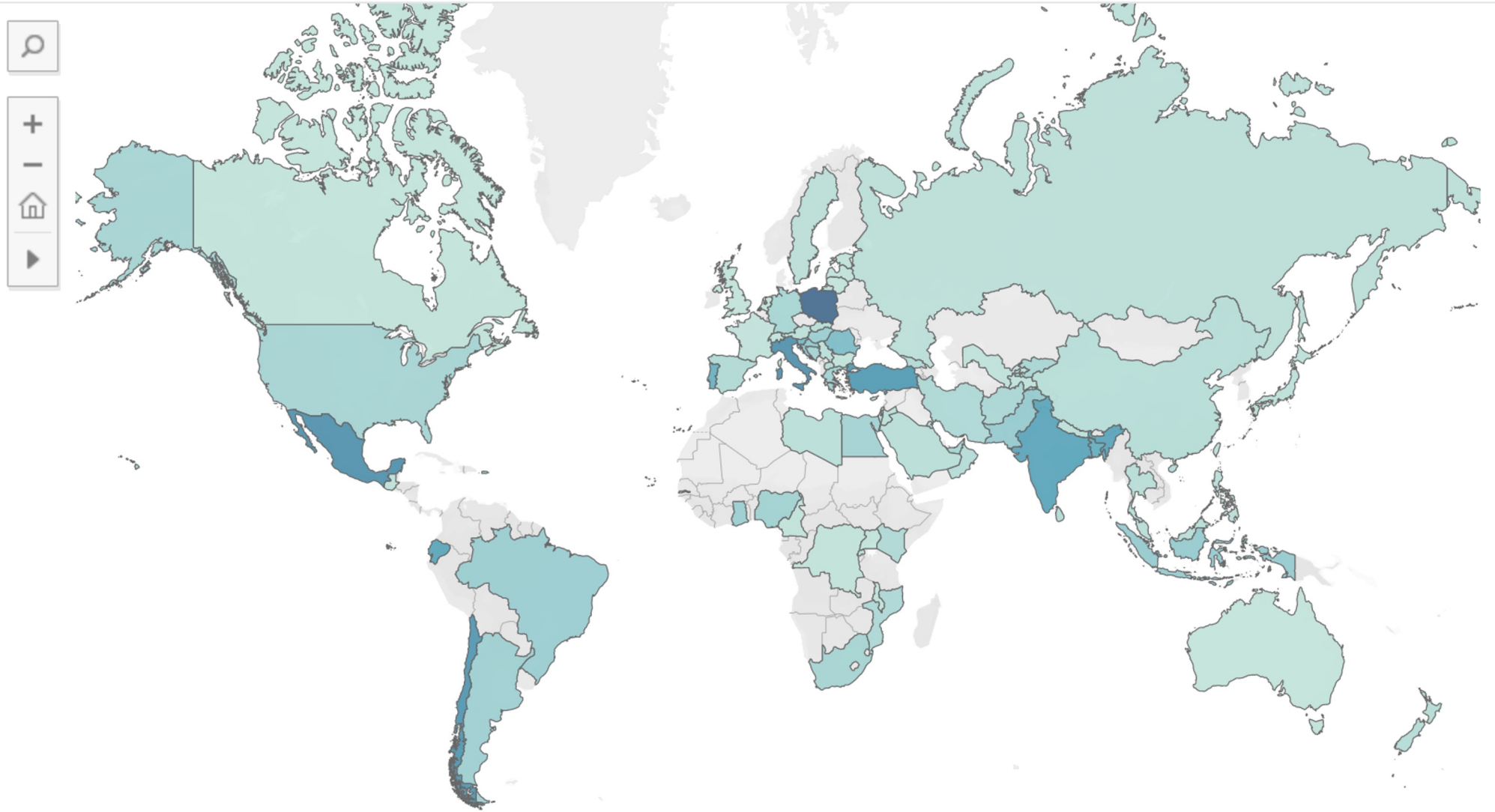
Our datasets covers the globe

Count of Q1

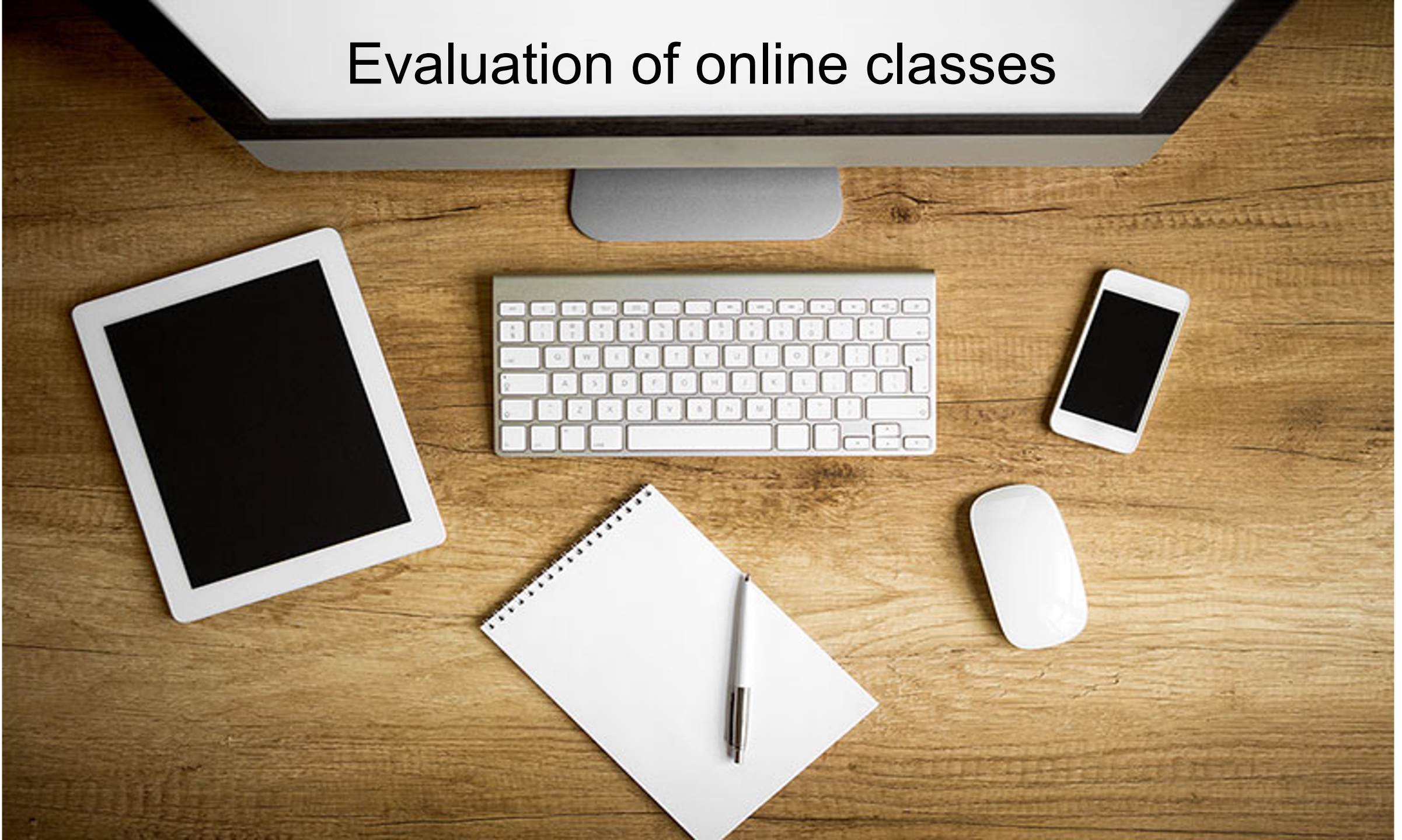


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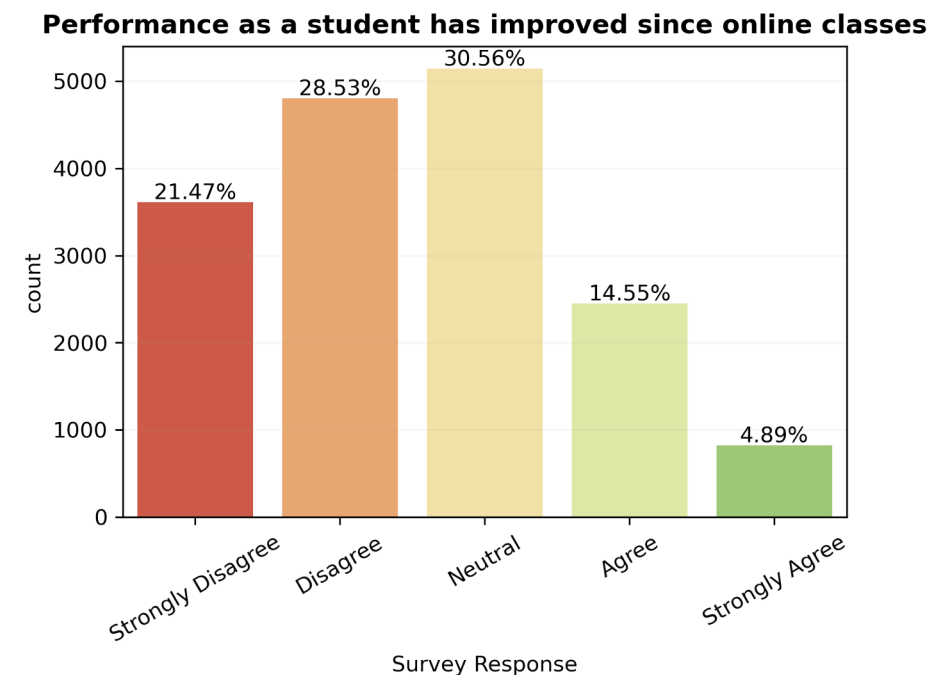
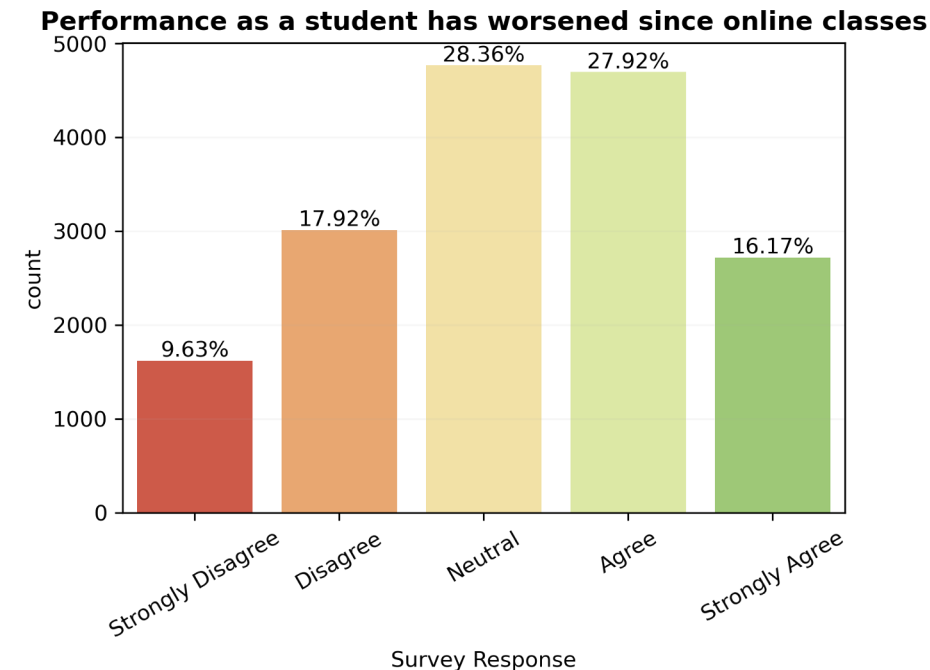
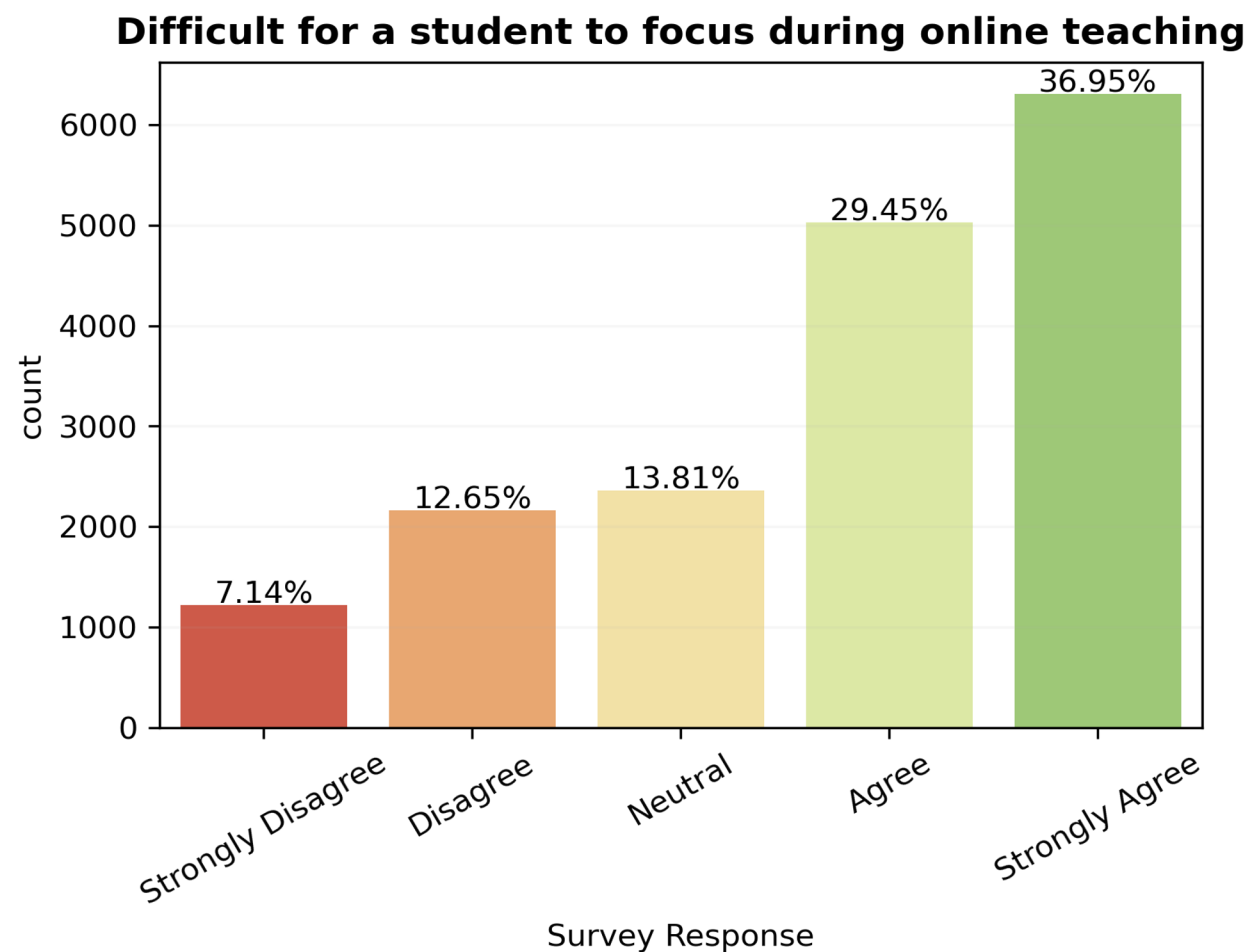
2,742



Evaluation of online classes

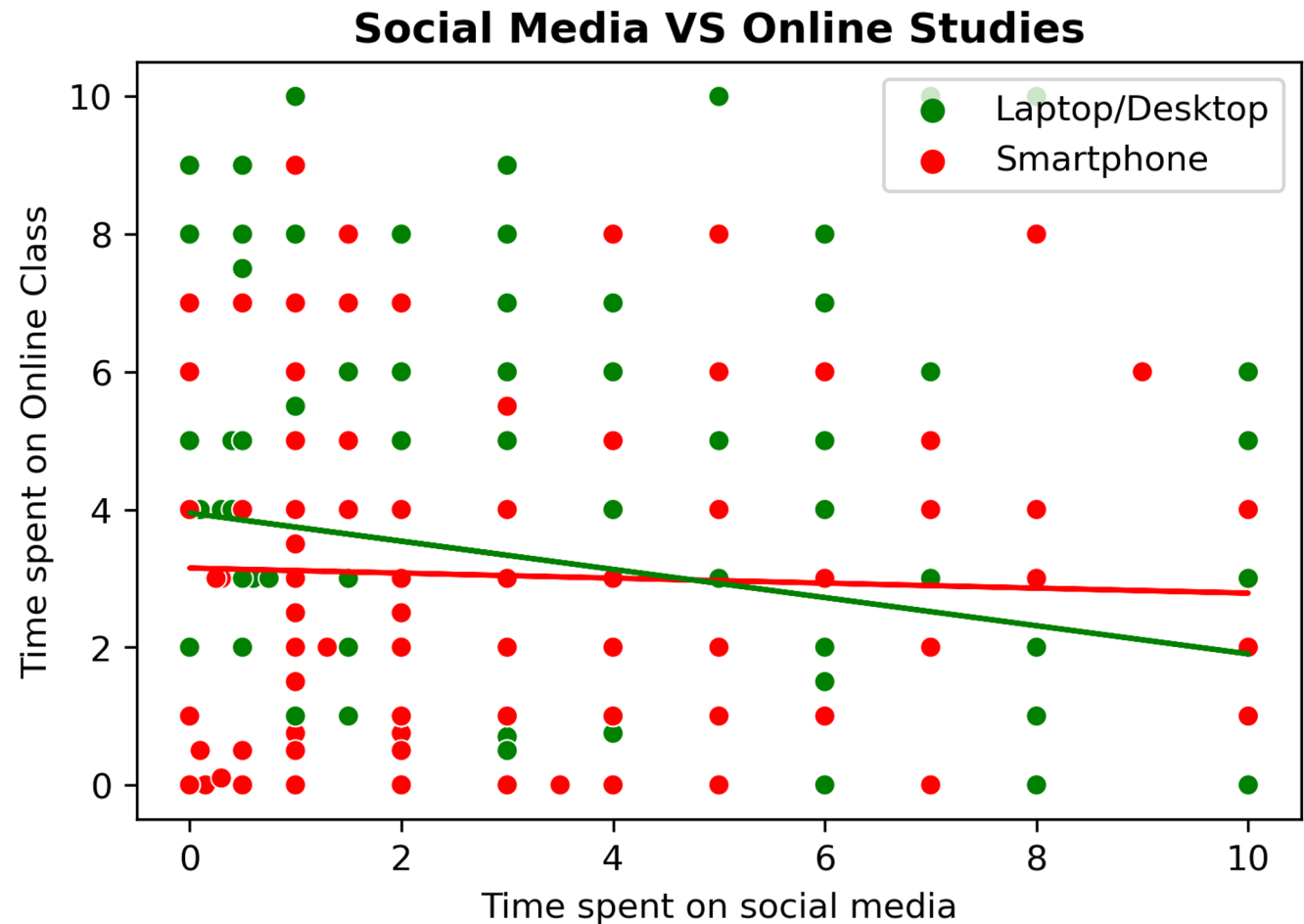


Lack of focus during online teaching has taken a toll on the morale and performance of a student

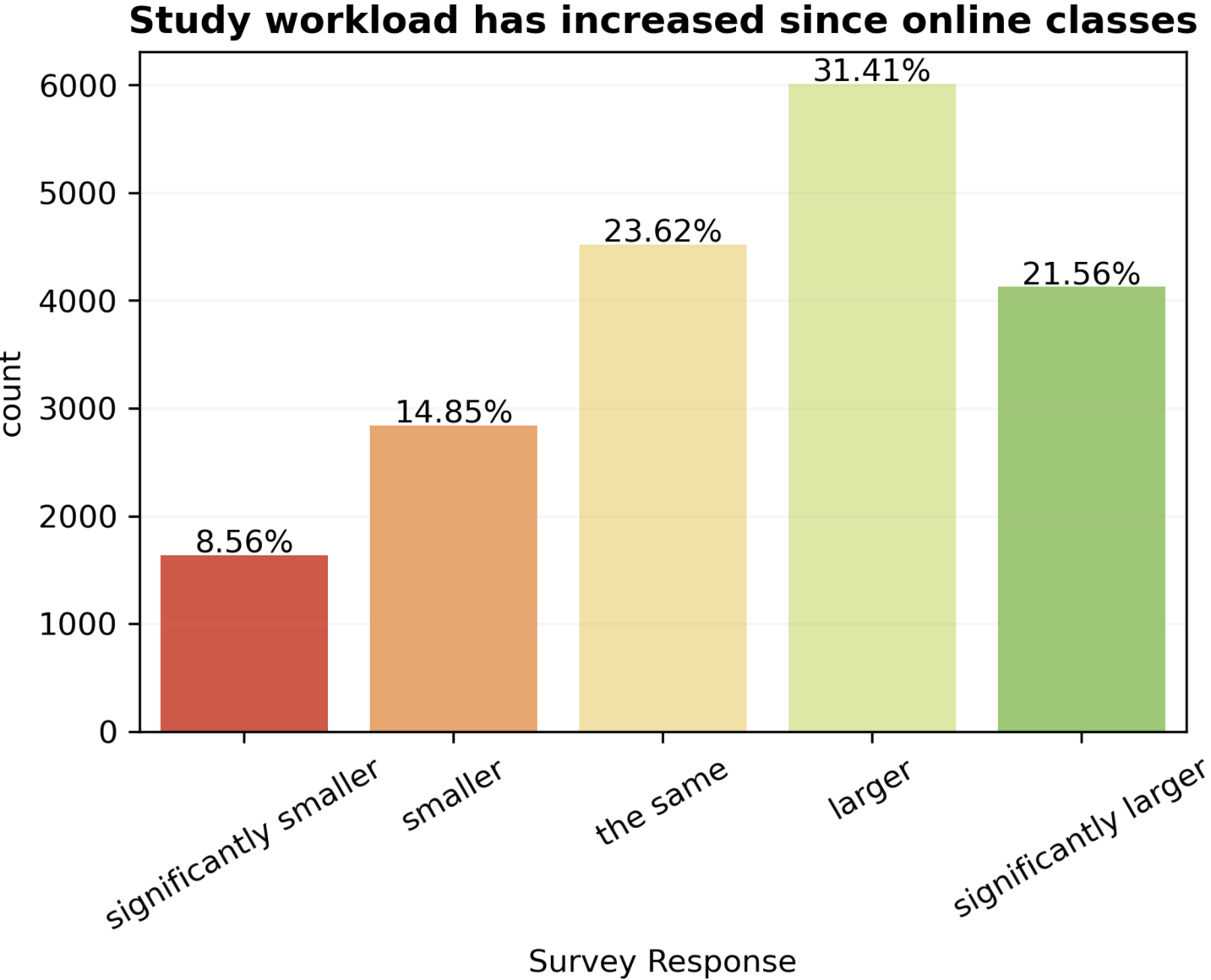


Relationship between Time spent on Online classes and Time spent on Social Media

- On average students are spending more time on social media compared to online classes
- The Laptop/Desktop (Green) line in the chart is slightly tilted which indicates that students using Laptops/Desktops tend to spend more time on Social media.



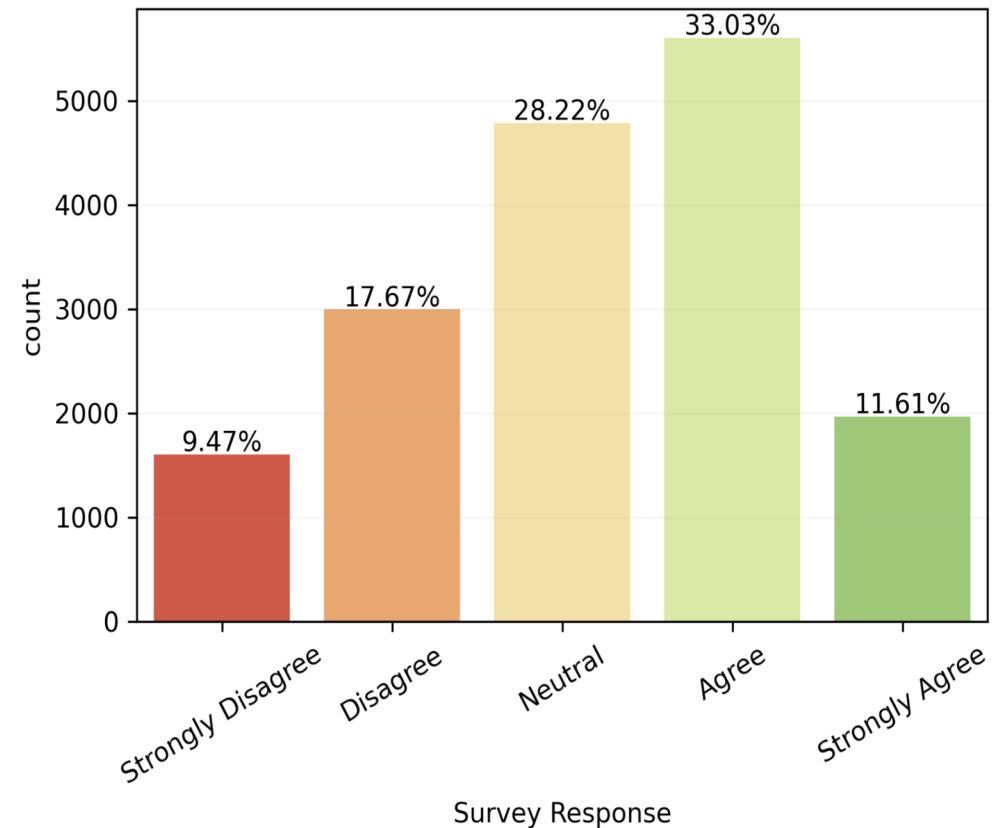
An increase in workload due to online classes has had a negative impact on students who are also working. They now have to prioritize between their job and education which could have an adverse effect on their performance at college.



Reasons why students haven't adapted well to the online teaching

- Lack of resources to support online education
- Inability to manage between job and education due to the sudden pressure from both areas
- Communication gap between students and professors
- Unsuitable Environment

Students have adapted well to the new teaching and learning experience.



Our Theory

Hybrid Classes



Online Exams

To incorporate the benefits of online learning without compromising on the effectiveness of offline teaching models it is best to adopt a hybrid model

Proposed education model

In-person classes that are recorded
for people who cannot attend

Online exams and assignments

Flexible office hours online and
offline to give maximum support

Requirements

Technology in class and
technological training for students
and professors

Newer exam formats and innovative
assignments

Acceptance of change by faculty

Support for our theory

Change in
commuting

Plenty Access to
Technology

Changed lifestyle habits

Effective
communication

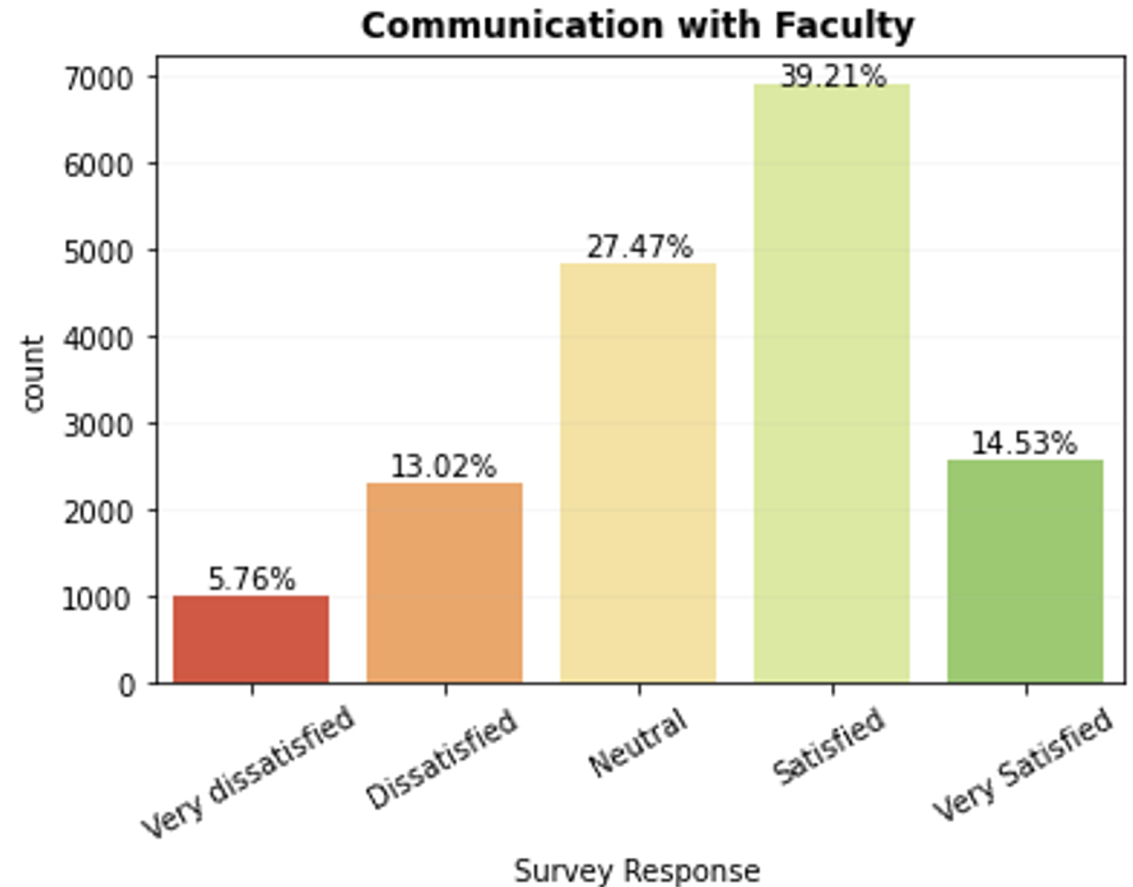
Better for mental health

Student preference



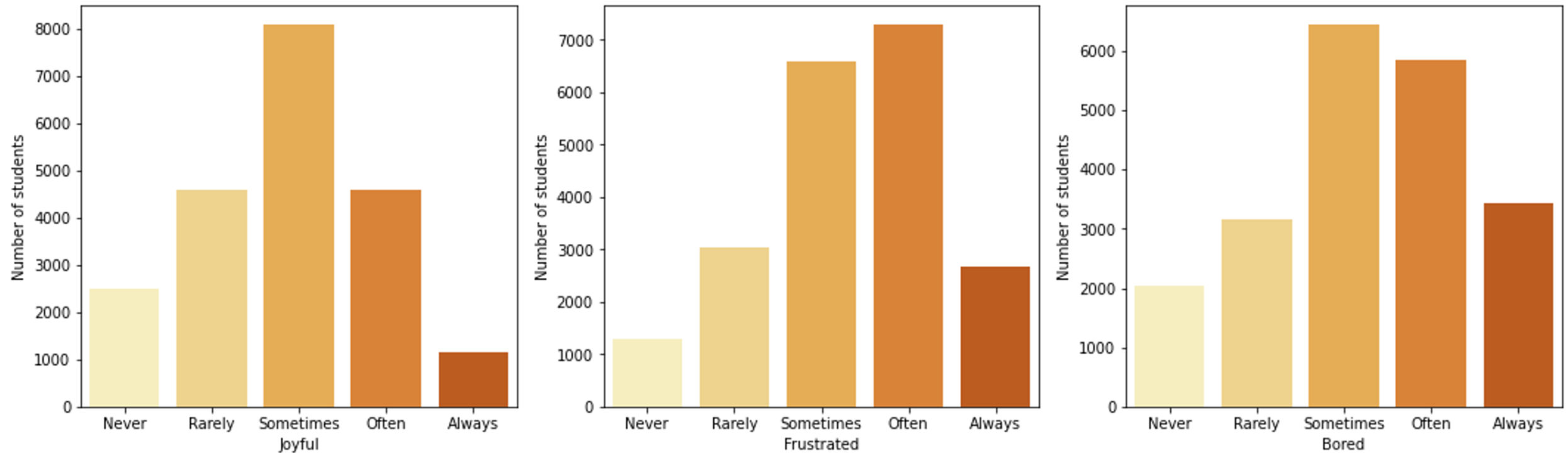
Communication with Faculty

- Online interactions are satisfactory as students get one on one attention from the faculty
- Students seem comfortable to reach out to their professors
- Online communication is conducive to student and professor due to greater flexibility

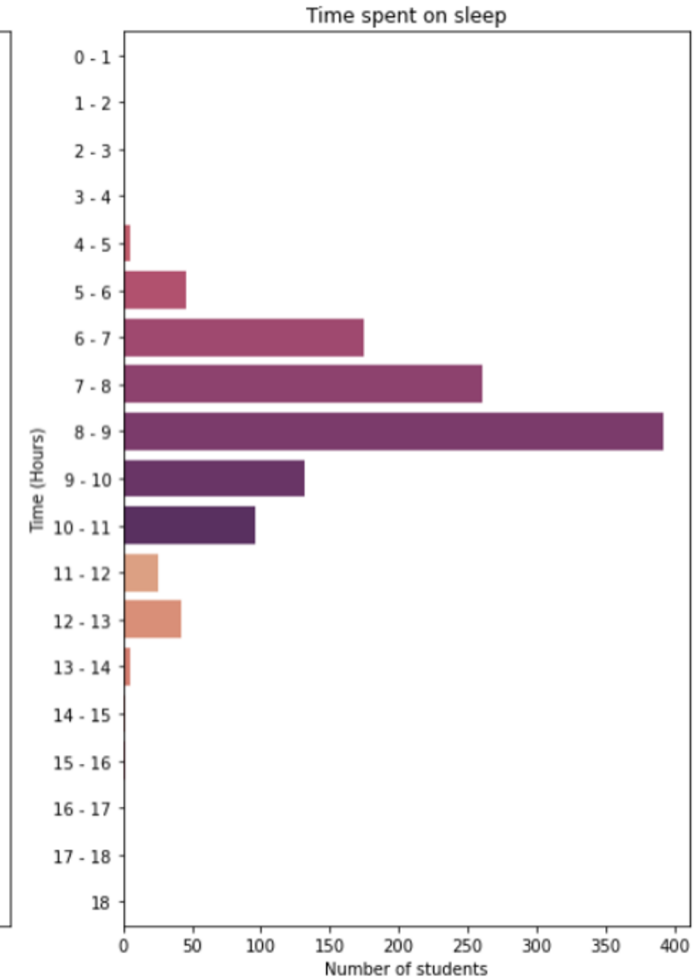
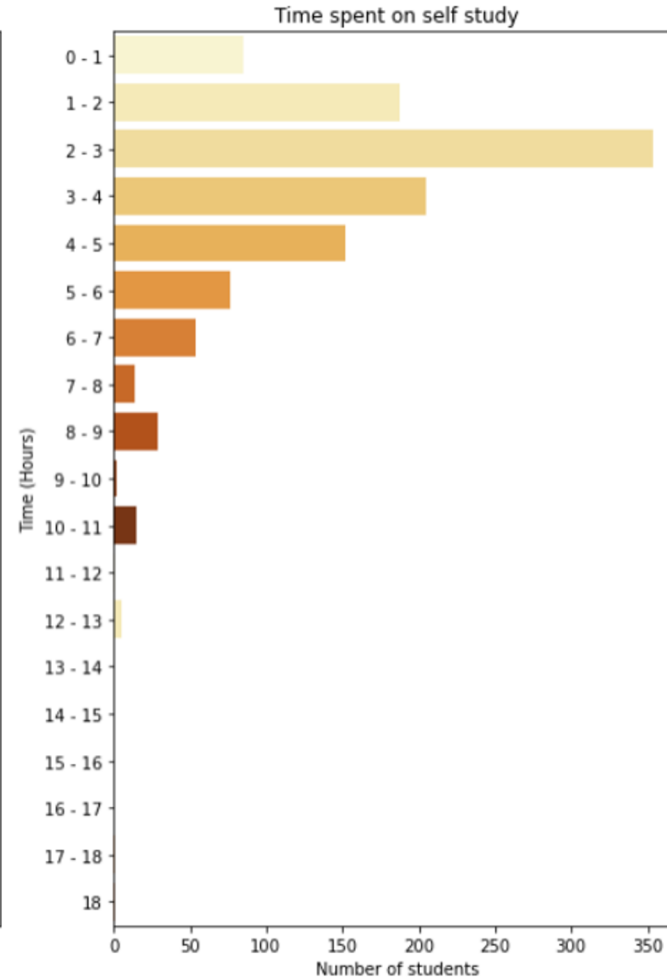
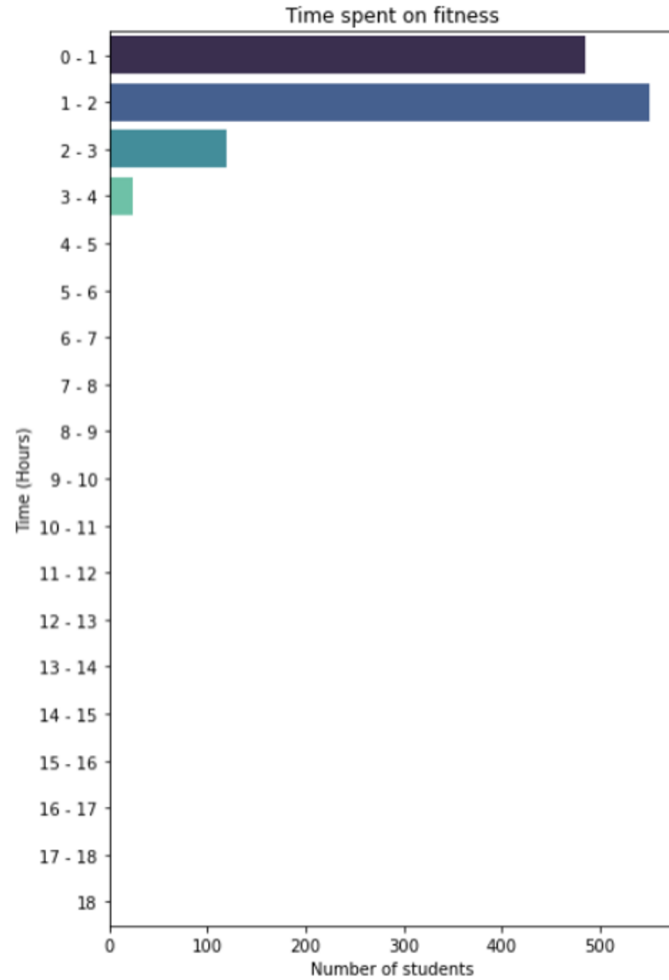


Mental health during the Pandemic

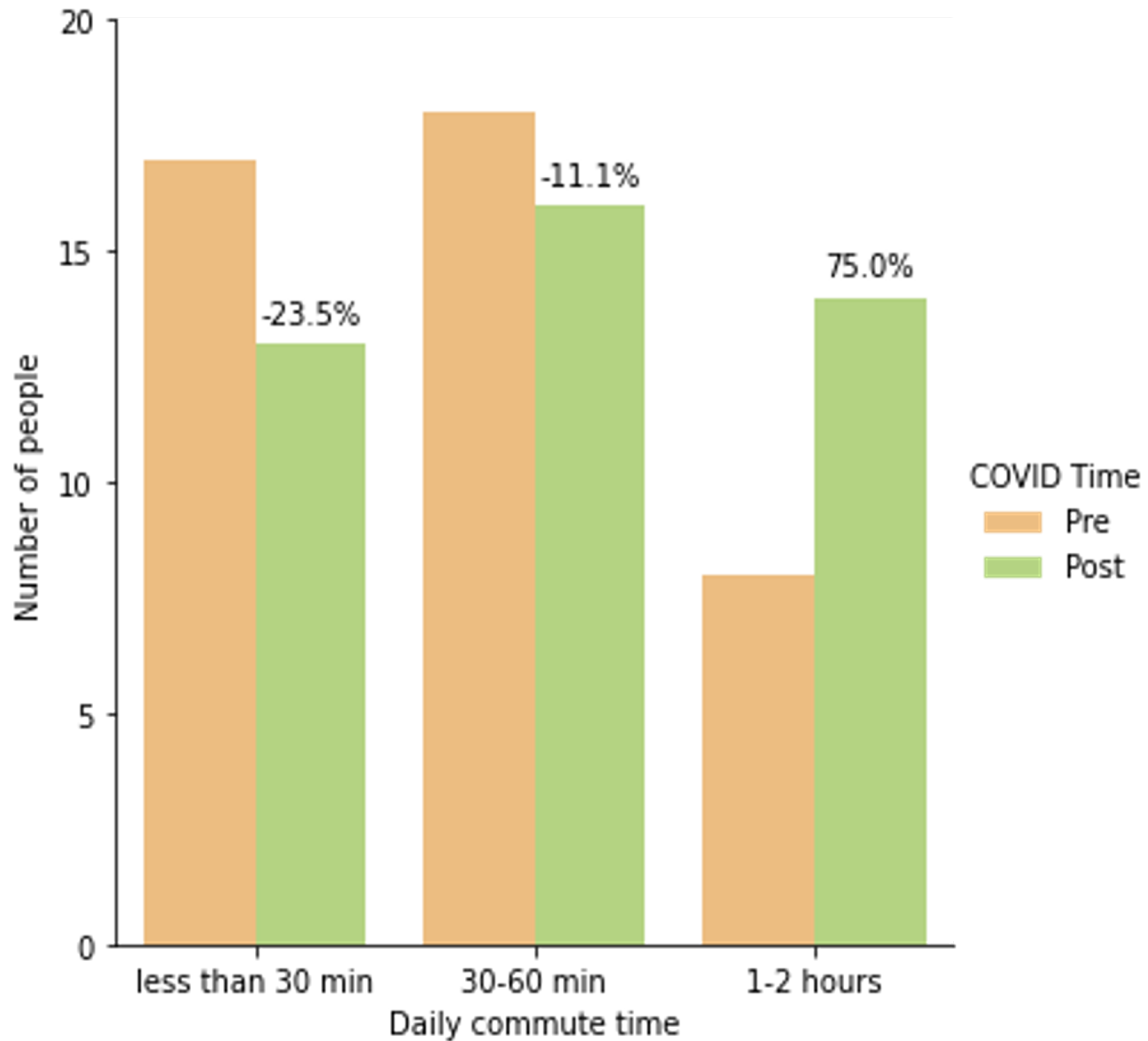
Emotions felt by students during pandemic



Habits During Pandemic



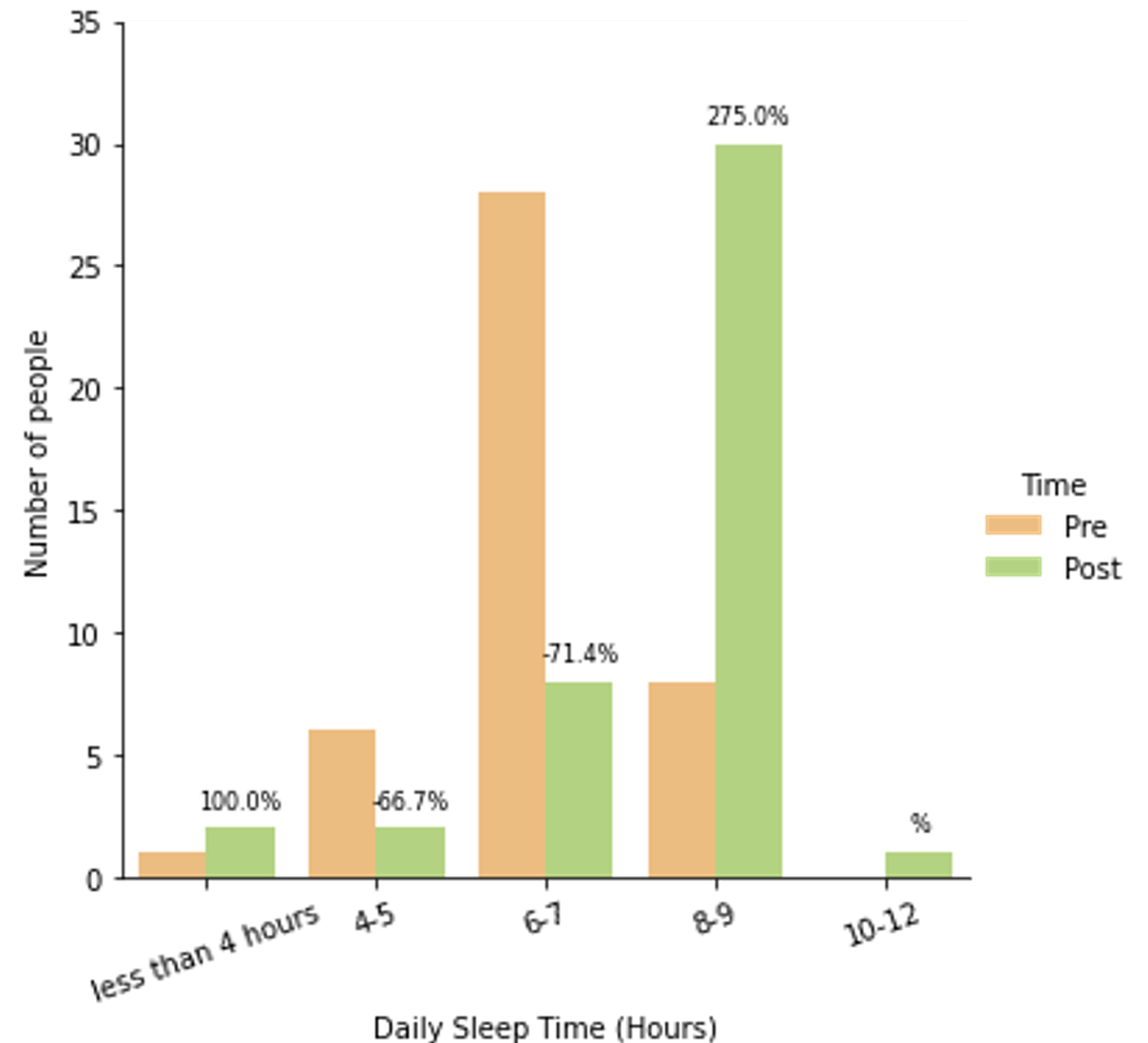
Students commute times



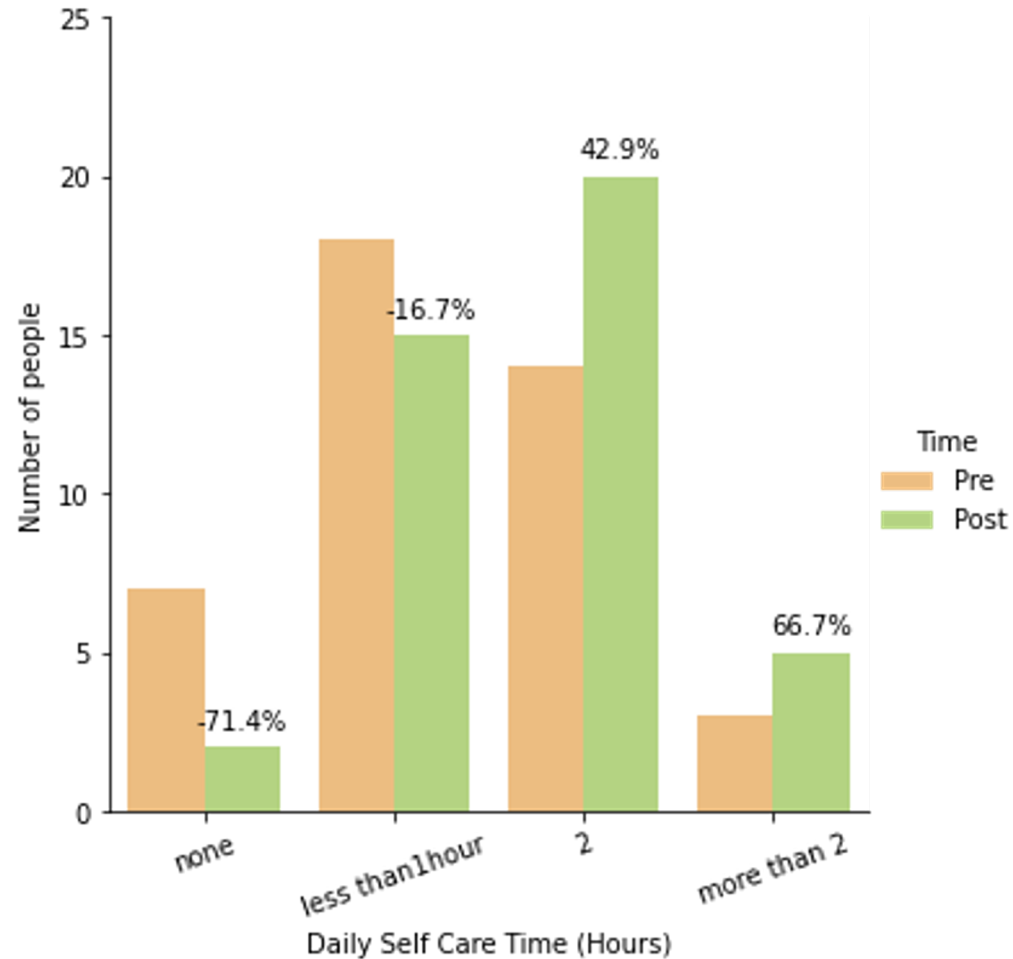
- Students have moved further away
- the overall commute time has increased

Change in Sleeping Pattern

- Sleep cycle has been drastically affected in the pandemic.
- There have been variations in people's sleeping patterns
- More hours are now allotted to keeping a healthy sleep cycle

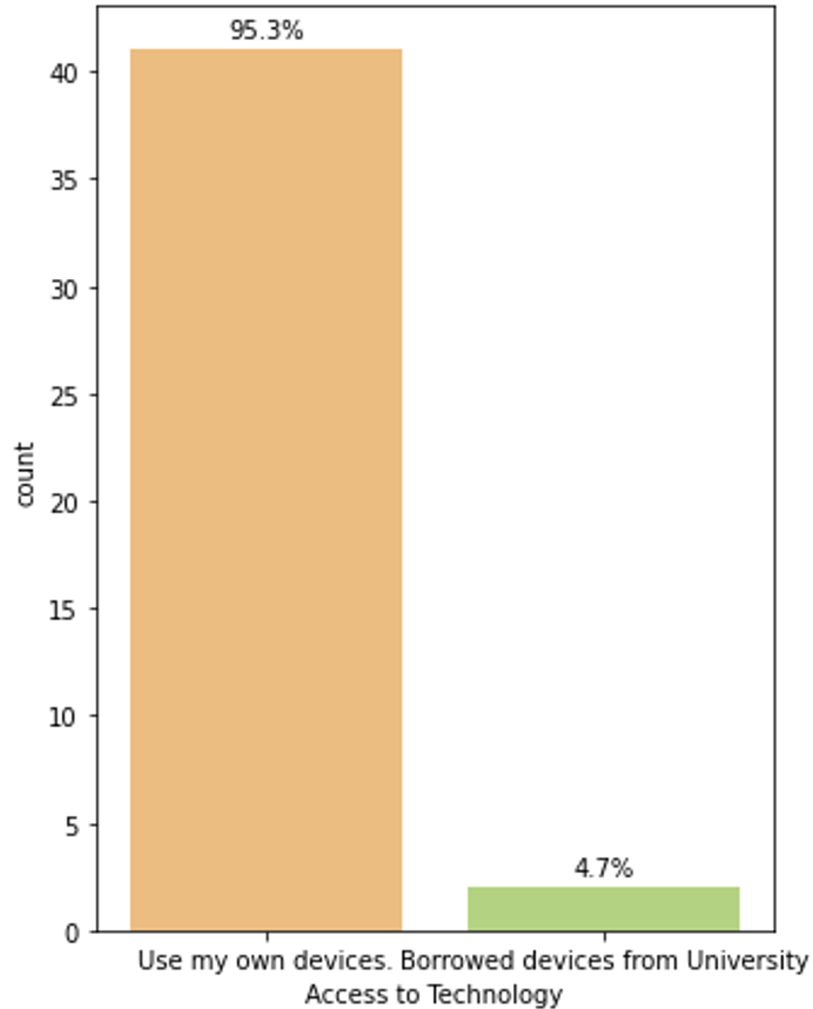


Change in Time allotted for Self Care



- Increase in hours spent on healthcare.
- People have become more health conscious and spend more time on their health.

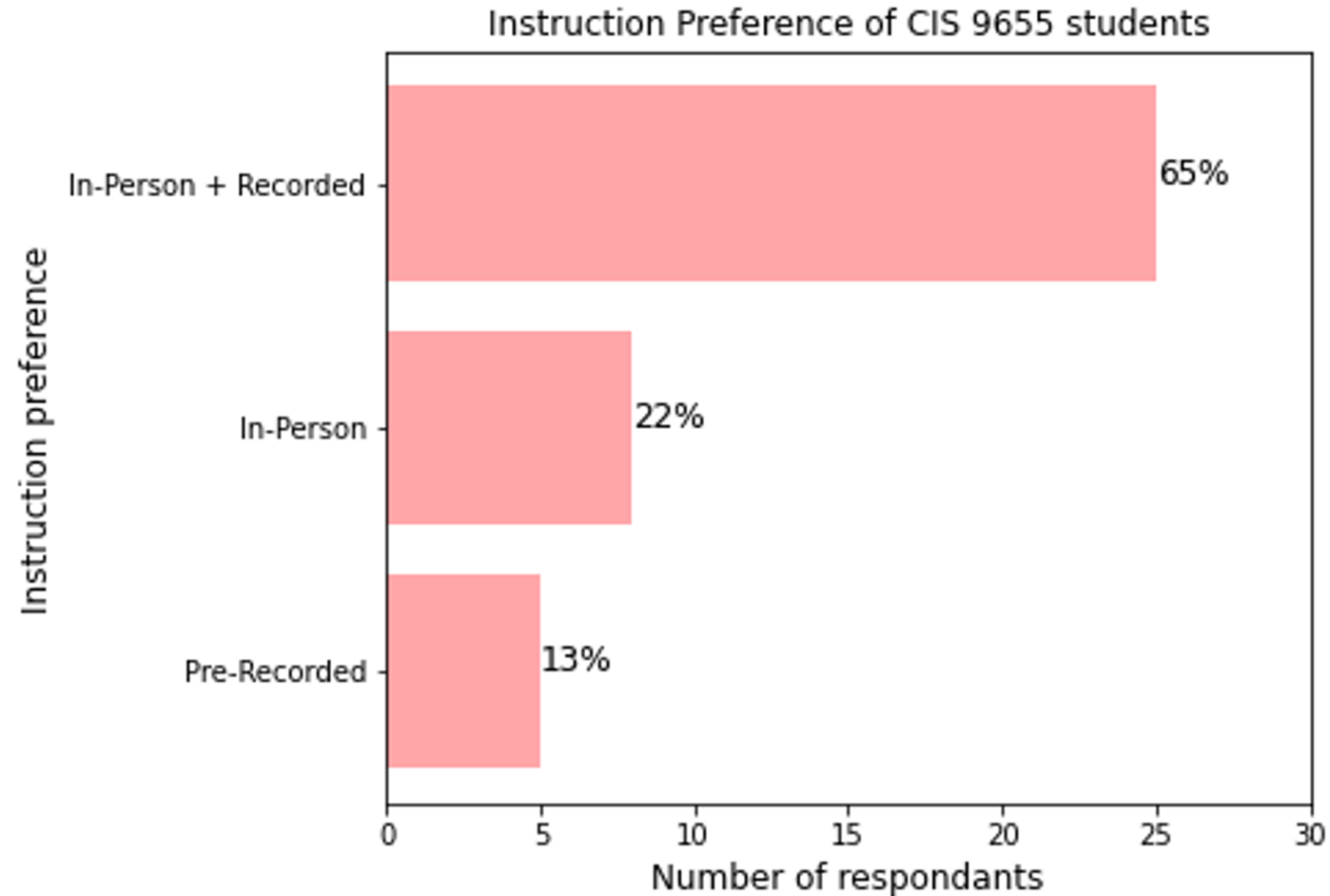
Access to Technology



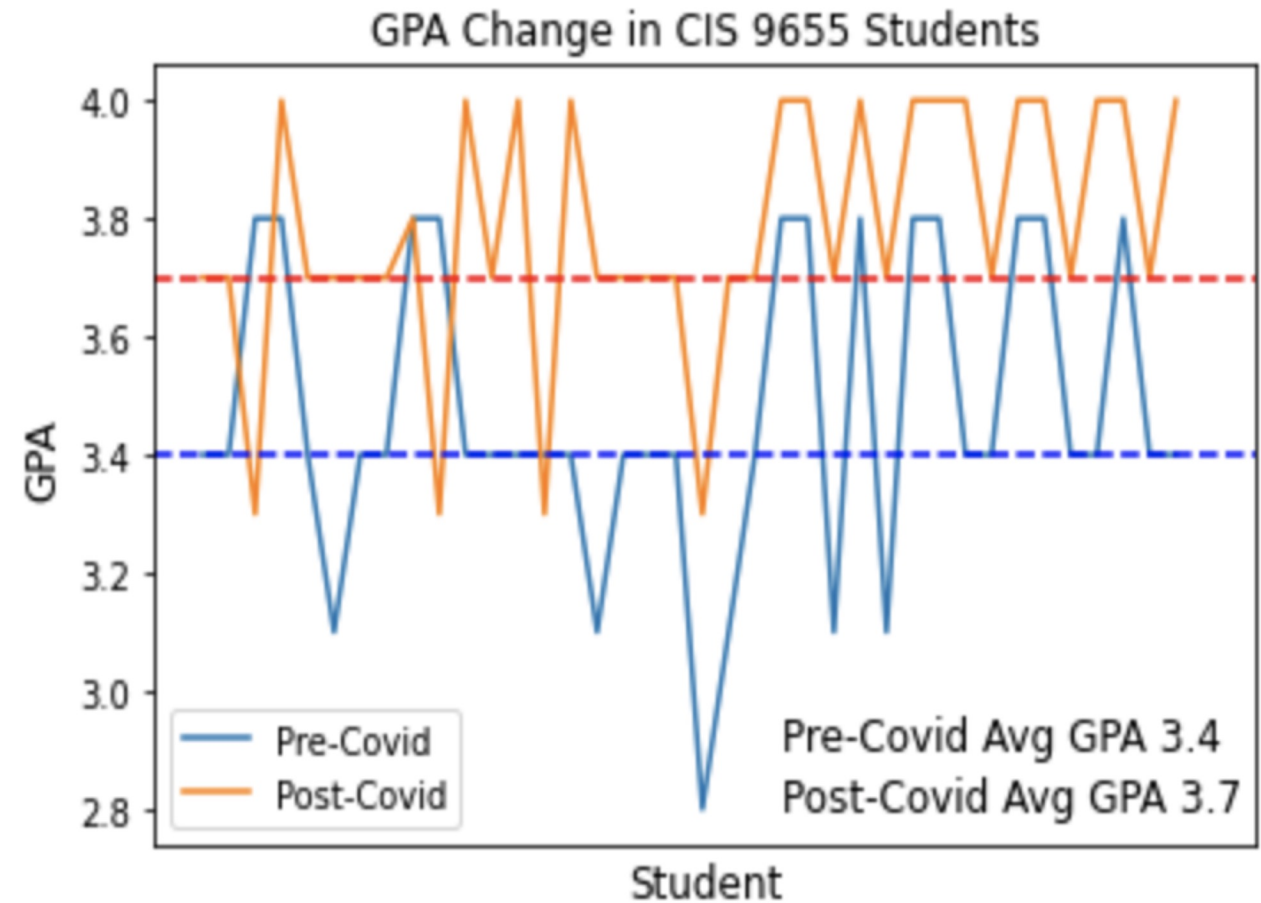
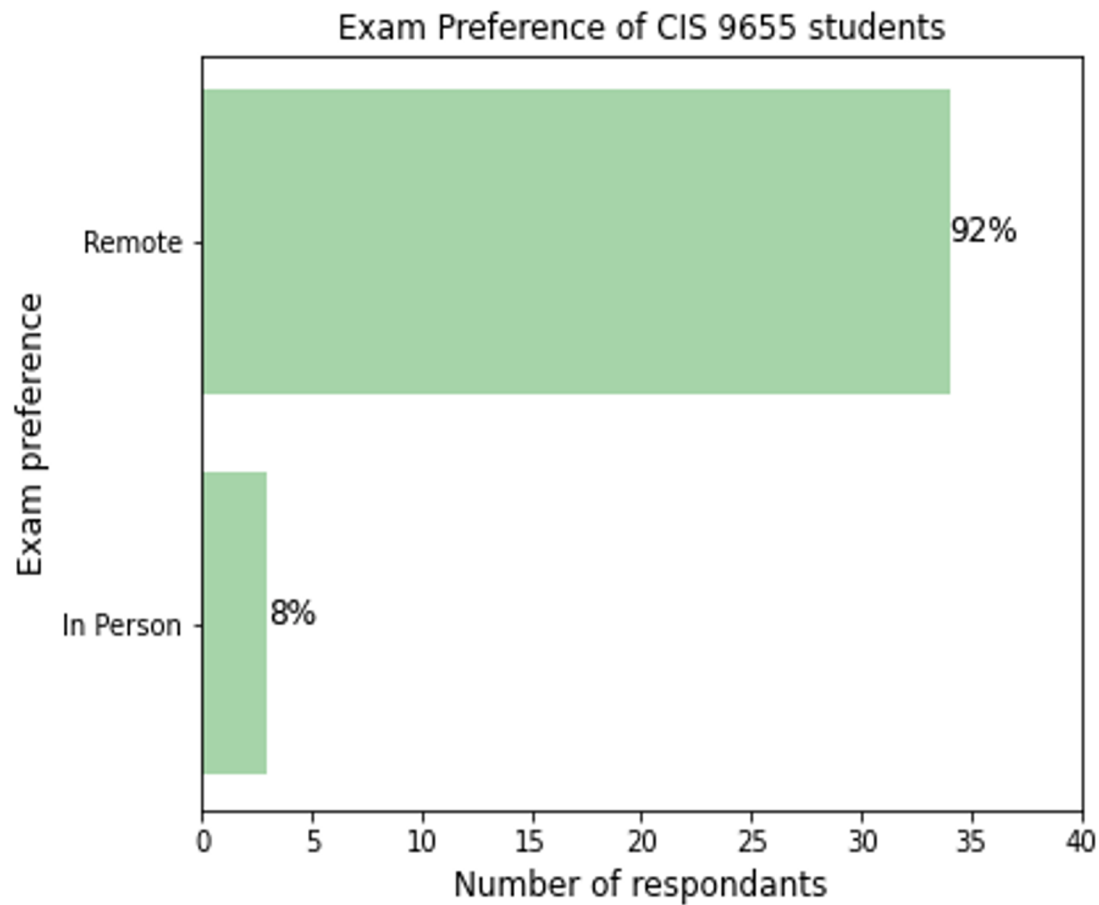
- Since majority of students have access to their own technology it would be great to have exams online.
- Even the ones who don't can access to technology can get it issued from the college library.

New formats of Class Instruction Now

- 65% of the response towards the online classes which were also recorded
- Online learning offers flexibility

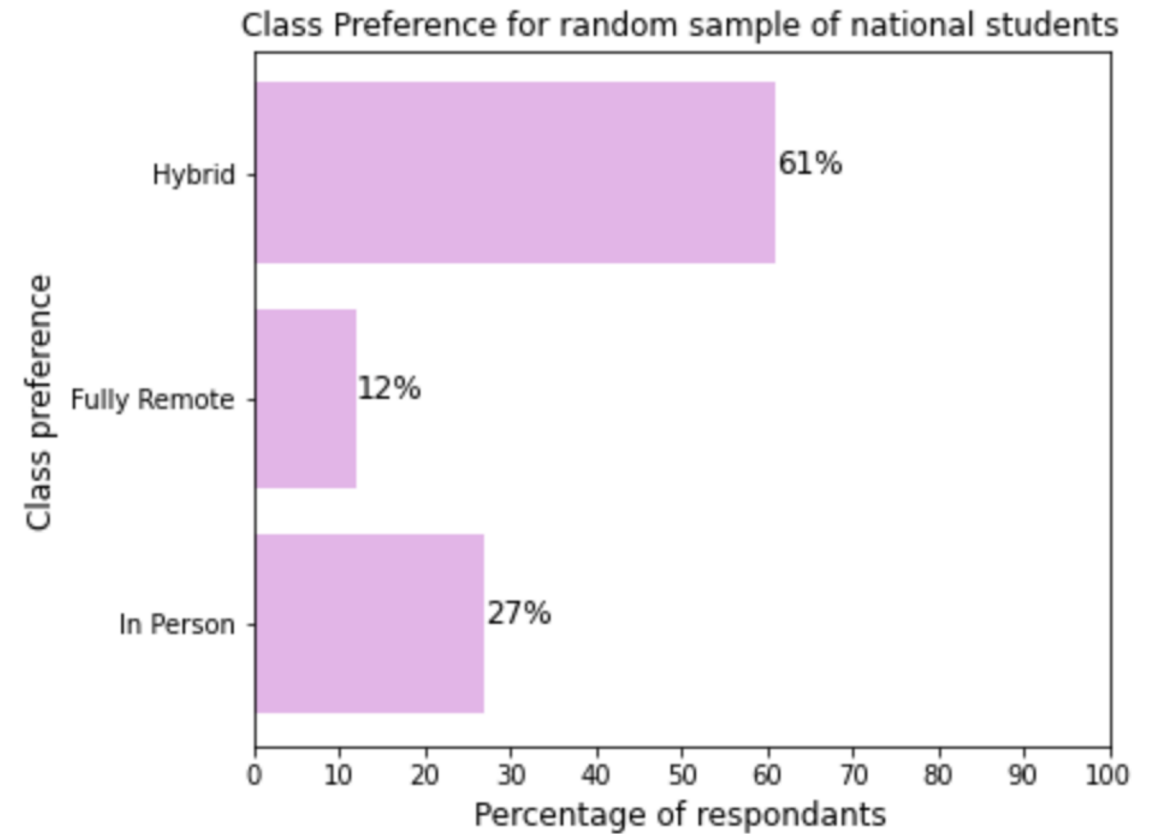
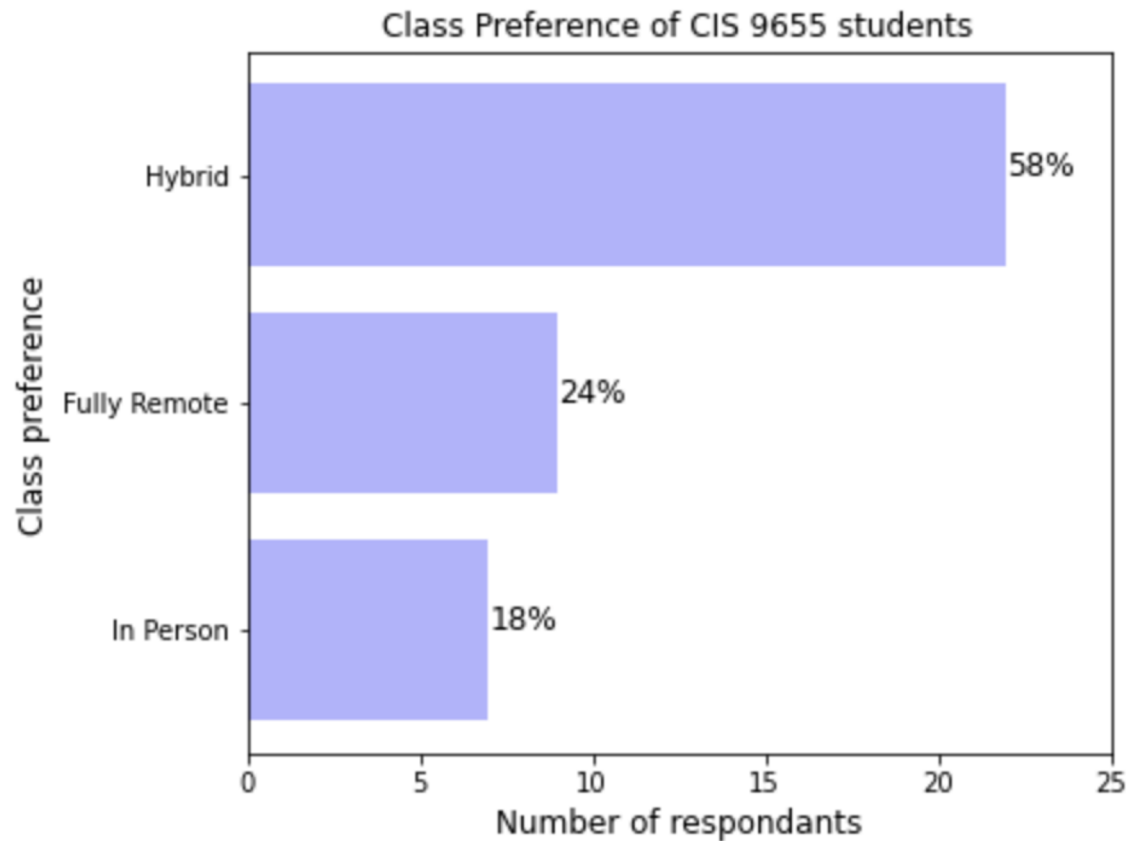


Understanding The Exam Preference of Students: In-Class Survey



Conclusion

Hybrid classes are the most effective method of instruction and are preferred by students worldwide



Thank you

Data and code repository

Data Source: https://docs.google.com/spreadsheets/d/1fQD7oToA65oXNQNO_y5rbkAXTkUKHm0b/edit#gid=896115791

Code: https://colab.research.google.com/drive/18tprboq6gTyXFptsnsHNYVui67jOCgP_?usp=sharing

Our survey: https://baruch.az1.qualtrics.com/jfe/form/SV_8qW3KPLU83eNFTU

Worldwide survey: <https://data.mendeley.com/datasets/88y3nffs82/5>

Tableau map: https://public.tableau.com/shared/PFNWWXKTP?:display_count=n&:origin=viz_share_link